

~~LIBRARY DEPARTMENT~~

SAN FRANCISCO HISTORY ROOM



A

Book No.


Accession

1690.5386

114410

NOT TO BE TAKEN FROM THE LIBRARY

ENTOMOLOGICAL DEPARTMENT



Digitized by the Internet Archive
in 2010 with funding from
San Francisco Public Library



Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 26

Publication Office,
560 Mission St.

San Francisco, Cal., July 5, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

Larsen Construction Reports

Advance Information as to Construction and Engineering
work covering the entire Pacific Coast.

INDIVIDUAL SERVICE
ISSUED DAILY
INDISPENSIBLE

CLASSIFICATION

ENGINEERING

Waterworks
Street Work
Road Work
Sewers
Irrigation
Drainage
Bridges
Railroad Work
Harbor Work
Lighting Systems
Dredging
Power Plants

Warehouses
Loft Buildings
Apartment Houses
Factories
Hospitals
Schools
Churches
Jails
Theatres
Flats
Residences,

BUILDING

Steel Frame Buildings
Brick Buildings
Reinforced Concrete Buildings
Frame Buildings
Post Offices
Court Houses
Office Building
Banks
Hotels
Government Work
Light Houses
Barracks

Tel. (Douglas 2371
(Douglas 2372

560 Mission Street, San Francisco



Pacific

Most home builders insist that a silent closet be installed.

Cash in on this demand by installing *Kroy-eta*.

Kroy-eta

"Pacific"



Plumbing Fixtures

Showrooms
67 New Montgomery St.
San Francisco, Cal.

Factories
Richmond,
California.

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best in the World

**Sure to Close Your Doors
Without Slamming**

Strictly An Air Cushion Check, working automatically.
Simplicity and Durability combined Applied
to either side of any size of door either
Right or Left Hand, without change

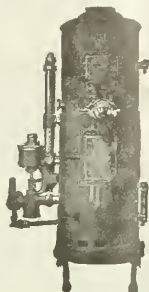
In ordering, give size of Door; also projection of Casings (if any)
over door, when Bracket will be sent to fit.

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

**Automatic
Gas Water Heater**

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member

Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 6941

Telephone Market 1935

**Fine and Sanitary
PLUMBING**

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Cough and Octavia

SAN FRANCISCO, CAL.

**THE
Safe Deposit Vaults
of the**

BANK OF ITALY

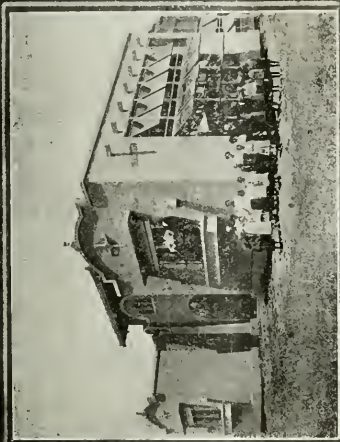
Are Open Every Day of the Year

Including Sundays and Holidays

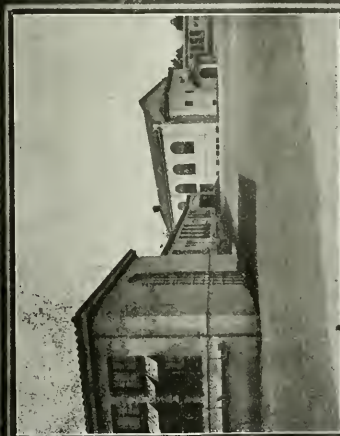
**From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.**

Boxes \$2 50 per year and upwards.

Junction Market, Mason and Turk Streets



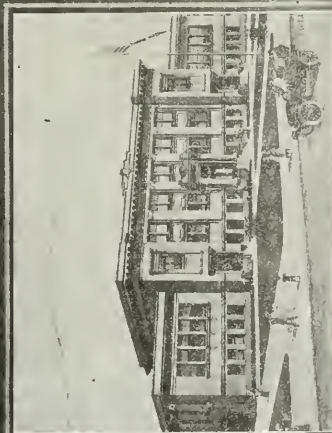
COLLEGE PARK SCHOOL - SAN JOSE. - Frank D. Wolfe Architect



ROCK RIDGE SCHOOL, OAKLAND - J.J. Donovan Supervising Arc.



INTERIOR VIEW - MICHESENEY SCHOOL - J.J. Donovan Supervising Arc.



WOODLAND SCHOOL - W.H. Weeks Architect

Equipped with **SIMPLEX WINDOWS** 525 Market St., S. F.

Send for Catalog. Agents wanted for unoccupied territory.

SINGLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

SINGLE CASEMENT WINDOW

SINGLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

SINGLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

SINGLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

SINGLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

DOUBLE CASEMENT WINDOW

SIMPLEX WINDOW CO. REVERSIBLE NO WEIGHTS NO CORDS
 Made in metal and wood.
HOME OFFICE: UNDERWOOD BLDG., 525 MARKET ST., S. F.
 Agents wanted for unoccupied territory

Vertical Section
 OF SIMPLEX
 DOUBLE AND SINGLE
 WINDOW

Vertical Section
 OF SIMPLEX
 CASEMENT WINDOW

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, July 5, 1916

Sixteenth Year, No. 27



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LAUSEN,

Publisher and Proprietor.

W. D. Manville, News Editor.

J. P. Farrell, Exchange Editor.

Subscription Rates.—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	2
Apartment Houses	2
Banks	2
Bonds	2-3
Bridges, Dams and Harbor Work ..	3
Building Contracts Let and Re-	
corded	20 to 31
Completion Notices	23 to 31
Factories and Warehouses.....	3
Fire Houses and Jails.....	3
Flats	3-4
Fresno, Stanislaus and Central	
California	16
Garages	4
Government Work & Supplies.....	4-5
Hospitals	5
Hotels	5
Irrigation and Reclamation Pro-	
jects	5
Libraries	5
Liens and Releases.....	25 to 31
Los Angeles and Southern Cali-	
fornia	18
Marin, Contra Costa and Sonoma	
Counties	15-16
Oakland and Alameda County	
.....	13-14-15
Portland and Oregon.....	18-19
Post Offices	5-6
Power Improvements	5
Residences	6-7
Sacramento, Stockton and North-	
ern California	16-17-18
San Jose and the Santa Clara	
Valley	12
Schools	7
Sealed Proposals	10-11
Seattle and Washington.....	19
Sewers and Street Work.....	7-8-9-10
Stores and Offices.....	10

Barbecues A Feature Of The Past Month.

San Francisco Builders Are Twice Entertained by Brick Manufacturers at Their Plants.

The month of June has been an eventful one for a large number of the builders and their friends, who have been the guests of some of our generous and enterprising manufacturers, who in addition to being eminently successful as business men, are socially inclined to a degree that is decidedly pleasing to those who have heard the cheering ring of their dinner bell.

On Sunday, June 11th, E. B. McNear, President of the McNear Brick Co., was the host at a delightful barbecue at a point on the Bay which bears his name. The trip to and from the site of the big festivities was made in one of Crowley's commodious steam launches, and as the usually placid waters of the bay were exceedingly rough on this occasion, the embryo sailors were subjected to a severe test of their seamanship.

Rear Admiral Bobby Moyle, the general head salesman of the McNear Brick Co., was in charge of the boat load of good fellows, and Supervisors Eddie Brandon and Con Deasy were his chief mates, while John Horgan acted as purser in a very acceptable manner.

When the jolly tars arrived at the picnic grounds all were delighted to observe the tables spread beneath the shade of many friendly trees and each table heavily laden with a menu that would have tickled the palate of a king.

Herr Bruno Enderlein was the chef in charge, and the way the eats were dished up under his wise supervision was good indeed, to behold.

Colonel James Casserly, the hero of many a well fought battle, was the chief commissary and among his many useful duties was that of keeping at the good right hand of every guest a liberal supply of cooling and cheering refreshments, which Colonel James did to his own satisfaction and to the immense satisfaction of every guest present.

While the guests were discussing with appropriate gusto saddles of fresh shrimps, clam chowder, suckling pig, and delicious barbecued steaks, Senator Scott, acting as toastmaster, drew responses from such distinguished statesmen, officials and commoners, as Frank C. Jordan, Secretary of State; James S. Fennell, candidate for Public Administrator; State Senator E. B. Marinelli of Marin County; Eddie Brandon, Supervisor; John Horgan, Chief Building Inspector, and Con. Deasy, Supervisor, who rendered several pleasing ditties, among which was the one that made him famous entitled: "There'll Be Murder Here Tonight."

Many other celebrities took part in the orgies, after which all returned safely to their several homes and the day was declared a pronounced success and host E. B. McNear was voted a prince of good fellows.

On Thursday, June 29th, Colonel O. M. Tupper, President of the San Jose Brick Co., not to be outdone by McNear, pulled a delightful outing and barbecue at his brick yard near San Jose.

The trip to the yard was made by auto and a delightful day was spent. Here too, the tables were spread beneath the shade of sheltering trees, with which all San Franciscans are on friendly terms when they emerge to the country, and the tables were laden with an abundance of edibles prepared in a manner that would make the most critical epicure turn green with envy.

Steve Zaro, San Jose's most famous chef, was in charge of the culinary department and he upheld his world-famed reputation in a splendid manner. Louis Bossee, was in charge of the commissary department, and he like Colonel James Casserly, kept an abundance of cooling refreshments within easy reach of the thirsty guests at all times.

Here again Senator Scott appeared upon the scene as toastmaster and with his usual supply of the halm of gillweed drew forth from the assembled guests an abundance of song and oratory as can only follow a good dinner.

Colonel Thos. J. Campbell, Supervisor Eddie Brandon, Colonel O. M. Tupper, E. L. Miller, Charles Horning, Chas. B. Hadley, Clarence F. Pratt, Colonel Chas. Powers, Tom Dreshmeyer and Steve Zaro responded with appropriate remarks, while Supervisor Con Deasy outdid himself with his pleasing songs and stories, in fact, the neighbors were attracted from far and near by his sweet voice and when they came in his presence, particularly were the many ladies loud in their praise and admiration of San Francisco's musical Supervisor.

All present were pleased with the generous hospitality of host Tupper, and he like McNear, was unanimously voted a prince of good fellows.

TO BUILD BIG ZINC PLANT.

REDDING (Shasta Co.),—An electrolytic plant for recovering zinc from ores will be built by the Mammoth Copper Company near its copper smelter in Kennett.

The site has been chosen. The plans have been accepted.

This is the report from Kennett. Officers of the company could not be reached by telephone for verification and further details. Word received here states the new plant will be on Backbone Creek, a mile up stream from the copper smelter, with which it will be connected by a broad gauge railroad.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$6,000. Architect, Paul J. Capurro, 1844 Powell street, S. F. Owner, A. Ramazzotti, 1463 Vallejo street, S. F. Location, south Vallejo east of Polk, covering an area of 26 by 76 feet. Will contain a store on the first floor. Upper floor arranged for two-room apartments. Interior finish pine and redwood. Marble and tile vestibule. Exterior covered with brick veneer, cement plaster and rustic. Plans complete and work to be done by Day Lahor.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$25,000. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, Graham & Rhine. Location, south Washington east of Presidio. Will contain six apartments of six rooms and two baths each. Large sun porches and basement garage. Interior finish hardwood and white enamel. Hardwood floors throughout. Bath rooms finished in tile and equipped with showers. Steam heat, oil burning plant and vacuum cleaning. Hot water system and automatic elevator. Marble and tile wainscot. Imported tapestries. Exterior covered with cement plaster. Plans nearly complete and figures to be called for shortly.

SAN FRANCISCO—Apartment house, 4 story and base, Class C construction, \$25,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Herman Hogrefe, 110 Upper Terrace, S. F. Location, northeast Geary and Larkin. First floor arranged for stores and upper floors for a total of 21 suites of two and three rooms. Interior finish pine and elm with some white enamel. Hardwood floors. Steam heat, automatic elevator and hot water system. Patent store fronts and marble bases. Bath rooms tile. Wall beds. Exterior faced with pressed brick. Plans complete and work to be done by Day Lahor.

SAN FRANCISCO—Apartment house alterations, 2 story and base, frame, \$1,000. Architect, P. Righetti, Phelan Bldg., S. F. Owner's name withheld. Location, Sunset District. Work will include new interior trim, plastering, painting, plumbing and electric work. Considerable exterior alteration will also be necessary. Plans are being prepared.

OAKLAND, CAL.—Apartment house, 2 story and base, brick and frame, \$80,000. Architect, J. J. Donnellan. Bacon Bldg., Oakland. Owner's name withheld. Location, Lake District. Will contain a total of 24 apartments arranged in suites of three, four, five and six rooms. Interiors will be finished in pine, hardwood and white enamel. Hardwood floors throughout. Bath rooms tile and equipped with showers. Steam heat, oil burning plant, vacuum cleaning and hot water supply. Open fire places in larger

suites. Wall beds. Marble and tile wainscot. Exterior covered with pressed brick veneer and cement plaster. Plans being prepared.

SEATTLE, WASH.—Apartment house, 3 story and base, brick, \$40,000. Architect, J. A. Creutzler, New York Bldg., Seattle. Owner, Thomas Jarritt. Location, 14th avenue and Thomas street. Will contain 32 suites of two and three rooms. Interior finish pine, hardwood and white enamel. Hardwood floors. Steam heat, oil burning furnace and hot water supply. Bath rooms tile. Vacuum cleaning. Marble and tile wainscot. Exterior faced with pressed brick. Plans being prepared.

Contracts Awarded

PORTLAND, ORE.—Apartment house 3 story and base, brick. Cost not stated. Architect, Emil Schaacht, Commonwealth Bldg., Portland. Owner, Frank Magnusson, Contractor, Frank Quethan, 511 Jefferson street, Portland. Contract price not stated.

BANKS

Contracts Awarded.

STOCKTON, SAN JOAQUIN CO., CAL.—Bank and offices 6 story and base. Class A construction, \$175,000. Architect, George William Kelham Sharon Bldg., S. F. Owners, Farmers and Merchants' National Bank. Contractor, P. J. Walker, Monadnock Bldg. S. F. A subcontract for the concrete piles and foundation has been awarded to Andrew Lynch, 185 Stevenson street S. F.

BONDS

WOODLAND, YOLO CO., CAL.—The Yolo County Court House bond issue held last week carried by a vote of 10 to 1. The issue provides for \$200,000 with which to erect a new court house building, plans for which have already been prepared by a San Francisco architect.

VANCOUVER, B. C.—It is said that the Government has authorized the issue of bonds amounting to \$5,000,000 to complete the proposed harbor improvements. The bonds will be sold by the Harbor Commissioners.

FAIR OAKS, SACRAMENTO CO., CAL.—The \$90,000 bond issue held in the Carmichael Colony last week carried. The bonds when sold will finance the construction of irrigation works, water distributing system, pumping plants, etc.

BERKELEY, ALAMEDA CO., CAL.—A plan to call a \$55,000 bond issue for a new water system for this city is being worked out by civic organizations of Berkeley. The matter will be taken up by the City Council within the next few days.

MERCED, MERCED CO., CAL.—Bids will be received up to July 6, 1916, by the trustees of the Merced Union High School District for the purchase of bonds in the sum of \$150,000 which

were recently voted to secure funds for the erection of a high school building.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The Board of Education is planning a \$250,000 bond issue to provide funds for the erection of a new high school building.

MEDFORD, ORE.—On July 10th the voters of Medford will sanction a contract whereby the city of Medford is to participate in the construction of the first section of the Medford-Eureka railroad. The city has already voted to bond in the sum of \$300,000 in order that assistance may be given the project.

MARYSVILLE, BUTTE CO., CAL.—By a vote of 561 to 183 the taxpayers of Marysville at the special school election went on record as favoring a direct tax of \$18,000 for the construction of an additional grammar school building on the lot at the northwest corner of F and Seventh streets.

TURLOCK, STANISLAUS CO., CAL. The directors of the Turlock Union High School District are making preparations for a bond election for July 28th, to decide the question of issuing bonds of \$100,000 for the purchase of a site and the erection of a high school on the same. Should the bonds carry it will be necessary to call a second election to select a site.

OAKLAND, CAL.—The Board of Playground Directors will report favorably upon the plans to erect a new boat house on the east shore. It is recommended that an appropriation of \$17,500 be made for the erection of an addition to the present boat house at Willows.

ALBANY, ALAMEDA CO., CAL.—Bids will be received by the Alameda County Supervisors up to July 17th for the purchase of the Albany School District bonds in the amount of \$75,000. The proceeds of the sale will finance the construction of a new school for that district.

OROSI, TULARE CO., CAL.—The 1st National Bank of Visalia has purchased the \$20,000 school bond issue of the Orosi High School District. A new building will be erected from the proceeds of the bonds.

AUBURN, PLACER CO., CAL.—The \$25,000 bond election for street paving was carried here by a majority of 200 votes. The money to be raised from the sale of the bonds will be used for paving the intersections and terminals of the main streets and the Placer road from Main street to the city limits, to connect with the State highway lateral, which is now about completed as far as Newcastle. It is the intention of the Trustees to complete most of the paving before winter.

CRESCENT CITY, DEL NORTE CO., CAL.—The Del Norte County \$100,000 bond issue carried by the vote of 913 in favor of the bonds and 26 votes against the issue. Every precinct voted for the bonds.

The election insures the creation of a deep-water port at Crescent City, the Government appropriation of \$100,000 having been made contingent upon the raising of a like sum.

COALINGA, FRESNO CO., CAL.—Construction of a 150-mile irrigation canal system close to the foothills from Tracy to the boundary line of Kings County along the west side of the San Joaquin Valley, is the objective work of the Coalinga Chamber of Commerce, which is now seeking a Federal appropriation of \$10,000,000 for the project. Fully 1,500,000 acres of land would be benefited according to the plan, and \$150,000,000 in new wealth would be added to the San Joaquin Valley.

The City Trustees have also planned a \$28,000 bond issue for municipal improvements, the election to be held on August 7th. The bonds will be issued for a new city hall, an auxiliary water system and swimming baths.

BRIDGES, DAMS AND HARBOR WORK

STOCKTON, SAN JOAQUIN CO., CAL.—Bridge and filling. Cost not stated. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Plans and specifications by the County Surveyor for filling and bridging the Taylor's Ferry road were adopted and the Clerk of the Supervisors has been instructed to receive bids for the work until July 17th at 10 a. m. Plans may be had from the County Clerk.

SANTA ROSA, SONOMA CO., CAL.—Bridge, steel or reinforced concrete. Cost not stated. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, Sonoma County. Bids will be received by the Board of Supervisors of Sonoma County at Santa Rosa on July 12th at 12 noon for the construction of a bridge over the Russian River at Markhams. Consulting Engineers Leonard & Day have prepared two sets of plans for a reinforced concrete structure, one set calling for a three-span bridge and the other five spans. These plans can be secured from the offices of the engineers. A set of plans calling for steel construction have been prepared by County Surveyor M. P. Youker, Santa Rosa, and figures are being taken for both types of construction.

Contracts Awarded.

SACRAMENTO, CAL.—Highway and bridges. Cost as follows. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contracts for five units of 16.6 miles of State highway, totaling \$142,619.80, have been awarded by the State Highway Commission. The following is a list of the awards: To J. A. Marshall, 2967 Avalon avenue, Berkeley, the construction of 4.2 miles of highway from Bersford to Redwood City in San Mateo County on his bid of \$37,290.50, which was nearly \$18,000 lower than the engineers' estimate.

To The Modern Construction Co. of Los Angeles 5.6 miles from Springville to the Santa Clara River in Ventura County on their bid of \$31,945.30. The engineer's estimate on this work was \$43,058.42.

To Blanchard-Brown Co., 660 Market street, S. F., 2½ miles in Contra Costa County, running from the southerly border of the city of Richmond, on

their bid of \$32,287, the engineer's estimate being \$16,445.05.

To Elsmore & Jacobs, 422 H street, Eureka, 4.3 miles from Loleta to Peatrice in Humboldt County, on their bid of \$23,680, the engineer's estimate was \$20,416.25.

To Howard S. Williams, Hearst Bldg., S. F., the construction of two reinforced concrete bridges on the State highway between Baird and Antler, on his bid of \$18,044.

WOODLAND, YOLO CO., CAL.—Eridge, steel and reinforced concrete, \$35,000. Engineers, County Surveyors, Yolo and Solano Counties. Owners, Solano and Yolo Counties. Contractors, Clinton Construction Co. S. F. Contract price, \$35,000.

FACTORIES AND WORKSHOPS

OAKLAND, CAL.—Factory, 5, 1 story, mill construction, \$500,000. Engineer, R. R. Street. Owners, Pacific Tank & Pipe Co., 5th and Bryant streets, S. F. Work has been started on the construction of five one-story mill construction buildings, each 100 by 200 feet, which will form the first unit of the new plant to be erected on High street, Oakland, by the Pacific Tank & Pipe Co. When complete the new plant will represent an investment of \$500,000. Engineer R. R. Street is in charge of the work and can be seen on the job. All work will be done by Day Labor and subcontract. Piles are now being driven for the foundations. Exteriors will be covered with corrugated iron.

SAN FRANCISCO—Factory, 3 story and base, mill construction. Cost not stated. Architect, Hermann Barth, 12 Geary street, S. F. Owners, Frye & Co. Location, southeast Front and Pacific streets. Interior finish of front portion pine and hardwood, balance rough. Special machinery. Metal window sash and frames. Exterior faced with stock brick. Plans complete and ready for figures.

OAKLAND, CAL.—Blacksmith shop, etc., frame, \$2,500. Architect, none. Owners, Moore-Scott Iron Works, 675 2nd street, Oakland. Location, foot of Adeline street. Exterior corrugated iron. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Workshop, 1 story, corrugated iron, \$3,000. Architect none. Owner, B. A. Stewart, 8 Fairview street, Oakland. Will cover a considerable ground area. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Municipal shop buildings, 1 story, brick and steel. Cost not stated. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Location, West Berkeley. Will contain repair shops and stables. No interior trim. Plumbing and electric work. Exteriors faced with corrugated iron and brick. Plans complete and figures being taken.

LOS ANGELES, CAL.—Laundry, 3 story and base. Class A construction. Cost not stated. Architects, Train & Williams, Exchange Bldg., L. A. Owners, Diamond Laundry Co. Location northwest corner of 8th and Diamond streets, covering an area of 200 by 100 feet. Reinforced concrete floors and walls. Two elevators. Steam plant and special machinery. Metal window sash and frames. Exterior faced with

cement plaster. Plans complete and figures being taken.

FIRE HOUSES AND JAILS

SEATTLE, WASH.—Fire house, 2 story and base, reinforced concrete, \$14,000. Architect, City Architect, Daniel Huntington, Seattle. Owners, City of Seattle. Location, Railroad avenue near Madison, covering an area of 10 by 40 feet. Fireproof construction. Cement floor. Special electric work and plumbing. Steam heat. Exterior faced with pressed brick. Plans being prepared.

FLATS

SAN FRANCISCO—Flat alteration, frame construction, \$6,000. Architect, none. Owner, Mrs. E. T. Wilson, 1449 Leavenworth street, S. F. Location, 1449 Leavenworth street. Work will consist of raising the building, garage in basement, wall beds, plastering, painting, plumbing and electric work. Some exterior work will also be required. Plans complete and owner to let contracts.

RICHMOND, CONTRA COSTA CO., CAL.—Flats, 2 story and base, frame, \$6,000. Architect, J. B. Ogborn, 464 13th street, Richmond. Owner, Carl Overea, 1808 Roosevelt avenue, Richmond. Location, Bissell between 7th and 8th streets. Will contain four flats and basement garage. Interiors finished in pine and white enamel. Hardwood floors. Open fire places and tile or brick mantels. Bath rooms tile. Exteriors covered with cement plaster and shiplap. Plans complete and work to be done by Day Labor.

GARAGES

OAKLAND, CAL.—Garage, 1 story and base, brick, \$8,000. Architects, Newsom & Newsom, 1748 Broadway, Oakland. Owner, F. Smith. Location, Brook and Broadway. Designed for a commercial garage. Cement floor. Special gasoline tanks. Exterior faced with pressed brick. Plans complete and segregated figures being taken.

GOVERNMENT WORK & SUPPLIES

Western Navajo Indian School, Building.

The following bids were received by the Commissioner of Indian Affairs, Washington, D. C., for constructing a dairy barn at the Western Navajo Indian School, Ariz.:

W. D. Lovell, Minneapolis, Minn., \$12,965; 150 days.

Horton Smith, Des Moines, Iowa, \$16,200; 240 days.

Unit Construction Co., St. Louis, Mo., \$22,000; 120 days.

Concrete Work.

Bids for excavation, reinforced concrete work, etc., near Payson, Utah, were received at the U. S. Reclamation Service, Provo, Utah, as follows:

Reynolds-Ely Co., Springville, Utah, schedule 1, \$11,646.75; 2, \$44,200; 3, \$14,659.75.

H. G. Gilkerson, Salt Lake City, Utah, schedule 1, \$48,214.75; 2, \$55,026.

San Francisco, Cal., Screen Partitions. The contract for new wire screen partitions in basement of the U. S.

post office at San Francisco, Cal., has been awarded to the West Coast Wire and Iron Works at \$985.

Los Angeles, Cal., Post Office.

The contract for installing a vacuum cleaning machine in the U. S. post office and courthouse at Los Angeles, Cal., was awarded to the Spencer Turbine Cleaner Co., Hartford, Conn., who will use an exhaustor of their own manufacture and a motor manufactured by the General Electric Co.

Navajo Indian School, Ariz., Building.

The contract for constructing employs mess building, stone cottages, gas house, additions to school, boiler house, and remodeling old mess building at the Navajo Indian School, Ariz., has been awarded to Thomas W. Hall, Farmington, N. Mex., at \$35,280.

Reclamation Work.

The U. S. Reclamation Service has awarded the following contracts for earthwork and structures on the Pablo division of the Flathead irrigation project, Mont.: Schedule 1, earthwork, to Percy M. Ross, Polson, Mont., \$18,610; schedule 2, structures, Clarence E. Long, Polson, Mont., \$14,948.30; schedule 3, Mendenhall, Bird & Co., Springville, Utah, \$29,800. The foregoing work involves about 220,000 cubic yards of excavation, 870 cubic yards of reinforced concrete, 3,250 square feet of paving, 7,650 square feet of canal linings, manufacturing and laying 6,230 linear feet concrete pipe, 210 cubic yards of dry rubble wall, and placing 4,000 feet, B. M., of lumber and 110,000 pounds of structural and reinforcing steel. The work under schedules 1 and 2 is 3 to 10 miles southwest from Polson, Mont., and schedule 3 is 6 to 8 miles west from Ronan.

Bozeman, Mont., Vault Shelving.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing metal vault shelving in the U. S. post office at Bozeman, Mont.:

Crown Metal Construction Co., Jamestown, N. Y., \$921.

The Steel Fixture Mfg. Co., Topeka, Kans., \$1,022.65.

The Keyless Lock Co., Indianapolis, Ind., \$1,040.

The Van Dorn Iron Works Co., Cleveland, Ohio, \$1,043.

The Berger Mfg. Co., Canton, Ohio, \$1,150.

Art Metal Construction Co., Washington, D. C., \$1,179.

Watson Mfg. Co., Jamestown, N. Y., \$1,411.

North Head, Wash., Building.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for constructing a frame building at the naval radio station, North Head, Wash.:

Item 1, work complete; 2, substituting asbestos prepared roofing for shingles.

Martin & Dugan Construction Co., Northern Bank Building, Seattle, Wash., Item 1, \$2,800; 2, \$2,880.

Bert Ward, 513 31st avenue, Seattle, Wash., Item 1, \$2,090; 2, \$2,075.

Iiwaco Mill & Lumber Co., Iiwaco, Wash., Item 1, \$1,460; add \$115.15 for Crane fixtures.

Thomas Soudon, 191 9th street, Astoria, Ore., item 1, \$1,927; 2, \$1,900.

Transmission Line.

Schedule of bids for construction of transmission line as per specifications 30D for the Grandview irrigation district, opened at North Yakima, Wash.: Bid 1, David Paradis, 210 N. 6th street, North Yakima, Wash.

Item 1, Construction of transmission line for the lump sum of—Bid 1, \$577; 2, \$468.

2, Additions to above transmission line at unit price of—Bid 1, \$75; 2, \$6.50.

Fort Stanton, N. Mex., Concrete Lining.

The following bid was received by the custodian, U. S. sanatorium, Fort Stanton, N. Mex., recently for concrete lining for reservoir at the above buildings:

J. E. Ware, El Paso, Texas, \$11,600; 90 days.

Douglas, Ariz., Post Office.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for constructing the U. S. post office and custom house at Douglas, Ariz.:

W. D. Lovell, Minneapolis, Minn., limestone, \$87,000.

Wm. O'Neil Son & Co., Faribault, Minn., limestone, \$91,940.

F. D. Engstrom Co., Los Angeles, Cal., limestone, \$99,700.

G. W. Stiles Construction Co., Rookery Building, Chicago, Ill., item 1, \$91,324.

Grant Fee, San Francisco, Cal., limestone, \$77,000.

J. M. Sparks, Douglas, Ariz., \$109,000.

Fort Huachuca, Ariz., Building.

The following awards have been made under bids opened for constructing various buildings:

Kelly & Baehl, Leavenworth, Kans., construction proper, administration building, hollow tile, and asbestos shingle roof, \$8,600; 15 for hauling stone by U. S., \$8,585; 2 double captains' quarters, \$18,000; \$75 for hauling stone by U. S., \$17,925; 4 stable, guard and shop buildings, \$11,561; \$54 for hauling stone by U. S., \$11,567; quarters shingle roof, \$13,000; \$50 for hauling stone by U. S., \$12,050; laundry building \$10,900; \$100 for hauling stone by U. S., \$10,800; total, \$61,767.

Lawrence Electric Co., Inc., El Paso, Tex., electric light work, administration building, \$448.67; 2 double captains' quarters \$1,372.51; 4 double stable and guard shop buildings, \$558.53; quartermaster corps barracks, \$596.27; laundry building, \$985.20; total for electric work, \$3,991.18.

Barnes & Lawrence, Lawton, Okla., plumbing, administration building, \$431; captains' quarters, \$2,666; quartermaster barracks, \$1,974; laundry, \$1,123; total, \$6,194. Heating, administration building, \$1,220; quartermaster barracks, \$116.

Thomas Kaverly Co., Los Angeles, Cal., boiler plant, etc., \$6,590.

Troy Laundry Machinery Co., Chicago, Ill., laundry machinery, \$13,249.20.

Wood Stave Pipe.

The Reclamation Service has awarded contract to the Pacific Tank & Pipe Co., of Los Angeles, Cal., for furnish-

ing and placing wood stave pipe on the main canal, East Salt Creek crossing, Grand Valley irrigation project, Colo. The contract involves approximately 3,950 linear feet of 60-inch redwood stave pipe, the contract price therefor being \$21,157.

Fort Laramie Project.

The following contracts have been awarded under authority of the Secretary of the Interior for earthwork, stations \$30 to 1280, Fort Laramie canal, Fort Laramie unit, North Platte project, Nebraska-Wyoming: Schedule 1, MacArthur Bros. Co., New York city, \$48,225; schedule 2, Winston Bros. Co., Minneapolis, Minn., \$28,150; schedules 3 and 4, J. E. Hilton, Billings, Mont., \$54,400. The above awards cover a total of approximately eight and a half miles of the main canal, Fort Laramie unit, involving about 800,000 cubic yards of material. The work is situated near the Bridgeport-Guernsey line of the C. B. & Q. Railway in the vicinity of Fort Laramie, Wyo.

Fort Stanton, N. Mex., Lining Reservoir.

The contract for concrete lining for reservoir at the U. S. sanatorium, Fort Stanton, N. Mex., has been awarded to V. E. Ware, El Paso, Texas, at \$11,600; time, 90 days.

Hoopa Valley Indian School, Building.

The contract for constructing a hospital building at the Hoopa Valley Indian School, Cal., has been awarded to Thomas Engelhart, Eureka, Cal., at \$12,125.

Contracts Awarded.

SAN FRANCISCO—Radio buildings, 2 1-story, frame, \$5,900. Architect, Bureau of Yards and Docks, Washington, D. C. Owners, United States Government. Contractor, R. S. K. MacMillen, 154A Duncan street, S. F. Contract price, \$5,900. Time 10 days.

BALLS AND SOCIETY BUILDINGS.

BAKERSFIELD, KERN CO., CAL.—

Labor temple, 3 story and base, brick. Cost not stated. Architect's name not given. Owners, Labor Temple Association. Separate figures will be taken for the materials and for the labor. Will contain lodge rooms offices and a large meeting room. Interior will be finished in pine and redwood. Maple floors. Steam heat and oil burning plant. Exterior faced with pressed brick. Plans complete and figures being taken.

VISALIA, TULARE CO., CAL.—

Country club, 1 story, frame, \$10,000. Architect, E. Mathewson. Forsythe Bldg., Fresno. Owners, Tulare Country Club. Will contain large social rooms, banquet rooms, completely equipped kitchen and some bed rooms. Interior finish pine and hardwood. Hardwood floors. Open fire places and brick and stone mantels. Exterior covered with stucco. Plans being prepared.

PORTLAND, ORE.—

Lodge hall and stores 3 story and base, reinforced concrete, \$75,000. Architect's name not given. Owners, Loyal Order of Moose. Location, northwest 1th and Taylor streets. Will contain several stores on the first floor, Turkish baths in the basement. Upper floors arranged for lodge rooms. A large gymnasium is also provided for in the basement. Interior finish pine and oak. Hardwood

doors. Steam heat, oil burning system, hot water supply and automatic elevator. Patent store fronts and marble bases. Exterior faced with pressed brick and terra cotta. Plans are complete and figures to be called for at once.

HOTELS

SAN FRANCISCO—Hotel and stores. 3 story and base. Class C construction, \$15,000. Architect, P. Righetti. Phelan Bldg., S. F. Owner, Frank Pedelle. Location, Powell between Jackson and Washington streets. First floor arranged for stores and upper floor for rooms. Interior finish pine and redwood. Several baths. Hot water supply. Patent store fronts. Exterior faced with pressed brick. Plans being prepared.

PITTSBURG, CONTRA COSTA CO., CAL.—Hotel and stores. 2 story and base, brick, \$5,000. Architect, none. Owner, Michael Evola. Pittsburgh. Location, east Third street. Will contain two stores on the first floor and a number of single rooms above. Interior finish pine and redwood. Hot water supply. Patent store fronts. Exterior faced with stock brick. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Hotel and stores. 3 story and base. Class C construction. Cost not stated. Architect, A. B. Rosenthal, Lankershim Bldg., L. A. Owner, Col. J. B. Lankershim. Location, Seventh street east of Central avenue, covering an area of 80 by 100 feet. Will contain four stores on the first floor and a total of 72 rooms on the upper floors. Interior finish pine with some hardwood. Steam heat, hot water supply, elevator service and oil burning plant. Bath rooms tile. Patent store fronts and marble bases. Exterior faced with pressed brick. Plans complete and segregated figures being taken.

HOSPITALS

NAPA, NAPA CO., CAL.—Hospital cottage, 2 story, reinforced concrete and frame. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids will be opened on July 25th for the construction of a cottage for working men. Interior finish pine. Composition floors in bath rooms. Central heating system. Exterior faced with cement plaster. Plans can be secured from the State Department of Engineering. An official proposal appears in another column of this issue.

STOCKTON, SAN JOAQUIN CO., CAL.—Hospital cottages, 2, 1 story, frame, \$6,000. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. All bids received for the construction of the two physicians' cottages have been rejected and the work will be done by Day Labor. R. S. K. MacMillen, 154A Duncan street, S. F., presented the lowest bid at \$6,636.

Contracts Awarded.

PUYALLUP, WASH.—Dormitory, 2 story and base, brick, \$22,000. Architect, Andrew Willatzen, Boston Bldg., Seattle, Wash. Owners, Masonic Home Association. Contractor, Joe Hansen, 3210 North 16th street, Tacoma, Wash. Contract price, \$22,000.

IRRIGATION PROJECTS

RONAN, MONT.—Reclamation work. Cost not stated. Engineers, United States Reclamation Service, St. Ignatius, Mont. The Reclamation Service is asking for bids for the construction of canal structures on the Flathead project, Montana, involving about 8,000 cubic yards of excavation, 600 cubic yards of reinforced concrete, 2,550 square yards of paving, manufacturing and laying 3,570 linear feet of concrete pipe, and placing 70,500 pounds of structural and reinforcing steel. The work is located from 6 to 8 miles west of Ronan, Mont. Bids will be opened at the U. S. Reclamation Service, St. Ignatius, Mont., July 13, 1916.

Contracts Awarded.

FORT LARAMIE, WYO.—Reclamation tunnels. Cost as follows. Engineers, United States Reclamation Service, Laramie. A contract has been awarded under authority of the Secretary of the Interior to MacArthur Bros. Co. of New York City, the lowest bidders, for the construction of tunnels 1 and 2, Fort Laramie unit, North Platte project, Nebraska, at a total price of \$242,032.50. The work involves approximately 4,550 linear feet of tunnel excavation and 12,000 cubic yards of concrete in place, and is siteline of the Chicago, Burlington & Quincy Railway, in the vicinity of Fort Laramie.

LIBRARIES

LAKEPORT, LAKE CO., CAL.—Library, 1 story and base, frame. Cost not stated. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, Town of Lakeport. Will contain two reading rooms, work room and office. Interior finish pine and redwood. Maple floor. Warm air heating system. Exterior covered with cement plaster. Plans complete and figures being taken. Bids close July 10th. Plans at office of the architects.

POWER IMPROVEMENTS

CANBY, ORE.—Water system. Cost not stated. Engineer, S. A. Cobb, Oregon City. Owners, Canby City. From plans prepared by Consulting Engineer S. A. Cobb, Oregon City, bids will be received up to July 17th by the city of Canby, Ore., for furnishing materials and performing all labor in constructing a water works system. Bids will be received for furnishing materials, also for materials and labor. The work contemplated includes constructing a distributing system of four miles of pipe, a 75,000-gallon tank on a tower, pumping machinery and building wells. Plans for the work may be had from Engineer S. A. Cobb at Oregon City.

FONTANA, SAN BERNARDINO CO., CAL.—Power plant, \$250,000. Engineer's name not given. Owners, the Fontana Co. A. B. Miller, president of the Fontana Co., announces that a power plant, to utilize the waters of Lytle Creek in supplying electricity to the city of Fontana, will be under construction within thirty days after the approval of the State Railroad Commission, which is at present inspecting the project. The project will

include the construction of an underground reservoir and $4\frac{1}{2}$ miles of steel pipe line. The power house will be located $1\frac{1}{2}$ miles north of Highland avenue near Riverside avenue. The maximum capacity is to be 188 kilowatts.

POST OFFICES

WENATCHEE, WASH.—Post office, 2 story and base, brick, stone and steel. Cost not stated. Architect, Superinsuring Architect, Washington, D. C. Owners, United States Government. Bird & Hobson, Okanogan, Wash., who were awarded the contract for constructing the U. S. post office at Wenatchee, Wash., have withdrawn from their agreement. Government precedent in such cases set the practice of letting the work to the next lowest bidder, in this case, Harding P. Allen, care of MacRae Bros., Empire Bldg., Seattle, Wash., who bid \$81,000 on limestone and \$88,000 on sandstone. Bird & Hobson were below the next lowest bidder by \$2,000 on limestone and \$10,000 on sandstone.

DOUGLAS, ARIZ.—Post office, 2 story and base, brick and concrete, \$77,000. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Grant Peet, 2440 16th street, S. F., presented the low bid for constructing the new post office building at Douglas, Arizona, at \$77,000. His bid called for limestone exterior facing. No award has been made.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scotch, 363 14th avenue. Location, East Ashbury west of Upper Terrace. Will contain eight rooms, two baths and sleeping porch. Interior finish pine, hardwood and white enamel. Hardwood floors. Open fire places and tile mantels. Furnace heat. Bath rooms tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 5, 1 story and base, frame, \$1,700 each. Architect, E. Holberg Reimers, 2145 Shattuck avenue, Berkeley. Owners, Bay View Construction Co., 2448 3rd street, S. F. Location, Bay View Tract. A total of 100 lots has been secured by this company for development and houses will be erected in groups of five. Each dwelling will contain five rooms and bath. Interiors will be finished in pine and redwood. Some hardwood floors. Open fire places and tile mantels. Automatic water heaters. Exteriors covered with rustic, shingles and cement plaster. Work will be done by Day Labor.

SAN FRANCISCO—Residences, 6, 2 story and base, frame, \$4,500 each. Architect, Charles E. J. Rogers, Phelan Bldg., S. F. Owners, Conservative Realty and Investment Co., Phelan Bldg. Location, 29th avenue, Richmond District. Each dwelling will contain seven rooms, bath, basement garage and sun porch. Interiors will be finished in pine, hardwood and white enamel. Hardwood floors. Furnace heat and open fire places. Mantels tile and brick. Bath rooms tile. Automatic water heater. Exteriors covered with

cement plaster. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$5,000 each. Architects name not given. Owners, Allen & Co., 125 Sutter street, S. F. Location, east 28th avenue north of California. Each house will contain seven rooms, two baths and basement garage. Interior finish pine, hardwood and white enamel. Hardwood floors. Open fire places and furnace heat. Mantels tile and brick. Bath rooms tile. Automatic water heaters. Exteriors covered with cement plaster. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$5,000. Architect, none. Owner, Paul E. Joseph, 842 Cleveland avenue, Oakland. Location, south Cleveland avenue west of Spruce. Will contain seven rooms bath and sleeping porch. Interior finish pine, hardwood and white enamel. Hardwood floors. Furnace heat and open fire places. Mantels tile and brick. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, H. Goranson, 431 48th street Oakland. Location, east Laguna south of Hopkins. Will contain five rooms, bath and sleeping porch. Interior finish pine, redwood and white enamel. Hardwood floors. Open fire place and tile mantel. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, W. Oxley, 6124 Noble street, Oakland. Location, west 107th avenue south of East 14th street. Will contain five rooms and bath. Interior finish pine and hardwood with some white enamel. Hardwood floors. Open fire place and tile or brick mantel. Bath room tile. Automatic water heater. Exterior covered with rustic and cement plaster. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,250. Architect, none. Owner, J. R. Mulrooney, 3500 Peralta avenue, Oakland. Location, north Delaware east of Peralta. Will contain five rooms, bath and sleeping porch. Interior finish pine and redwood with some white enamel. Hardwood floors. Open fire place and tile or brick mantel. Bath room tile. Automatic water heater. Exterior covered with rustic and cement plaster. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$8,000. Architect, John Carson, Bacon Bldg., Oakland. Owner, F. O. Nebeker. Will contain ten rooms, two baths and sleeping porch. Separate garage. Interior finish pine, hardwood and white enamel. Hardwood floors. Open fire places and tile mantels. Furnace heat. Bath rooms tile. Automatic water heater. Exterior covered with rustic and cement plaster. Plans complete and work to be done under the direction of John Carson.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, C. R. Williams, 1236 37th avenue, Oakland. Location, east Laguna

south of Hopkins. Will contain five rooms and bath. Interior finish pine and redwood with some white enamel. Hardwood floors. Open fire place and tile or brick mantel. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Location, west 27th avenue north of East 14th street. Each house will contain five rooms, bath and sleeping porch. Interior finish pine, redwood and white enamel with some elm panels. Hardwood floors. Open fire places and tile or brick mantels. Bath rooms tile. Automatic water heaters. Exteriors covered with cement plaster. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, J. F. Whalen, 1748 Broadway, Oakland. Location, corner of Bowie and Jerome. Will contain six rooms, bath and sleeping porch. Interior finish pine, hardwood and white enamel. Hardwood floors. Open fire place and tile or brick mantel. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

MONTE VISTA, SANTA CLARA CO., CAL.—Residence, 1½ story and base, frame, \$4,500. Architect, Daniel R. Galley, 801 David Hewes Bldg., S. F. Owner, Miss M. Hudson. Will contain seven rooms, bath and sleeping porch. Separate garage. Interior finish pine, hardwood and white enamel. Hardwood floors. Furnace heat and open fire places. Mantels tile and brick. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1 story and base, frame, \$4,000. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Improvement Co., sold to William R. Bremmer. Location, Ingleside Terrace. Will contain seven rooms, bath and garage. Interior will be finished in hardwood and white enamel. Hardwood floors throughout. Furnace heat and open fire places. Mantels tile and brick. Bath rooms tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 14, 1 story and base, frame, \$1,500 to \$2,250. Architect, none. Owner, Dr. A. Miles Taylor, Head Bldg., S. F. Location, Seminary Court. Will contain three, four and five rooms with sleeping porches and baths. Interiors finished in pine, redwood and white enamel. Hardwood floors. Open fire places and tile mantels. Exteriors covered with shingles, cement plaster and rustic. Plans complete and work to be done by Day Labor. Three houses will be erected at a time.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$24,000. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, Clarence Belt. Location, Rockridge. Will contain fifteen rooms, including a large billiard room, three baths and sleeping porches. Separate garage. Interior finish pine, hardwood and white enamel. Hardwood floors throughout. Bath rooms tile. Central heating system, probably hot

water and hot water circulating system. Bath rooms tile and equipped with showers. Open fire places and tile and brick mantels. Vacuum cleaning. Exterior covered with cement plaster. Plans complete and segregated figures being taken.

OAKLAND, CAL.—Residences, 5, 1 story and base, frame, \$5,000 each. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, D. Cohen. Location, Country Club Heights. Each house will contain eight rooms, two baths and sleeping porch. Interior finish pine and hardwood with some white enamel. Hardwood floors. Open fire places and furnace heat. Mantels tile or brick. Bath rooms tile. Automatic water heaters. Exteriors covered with cement plaster. Plans complete and segregated figures being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, E. R. Blabon, 2566 62nd street, Oakland. Location, east Loma Vista avenue. Will contain five rooms and bath. Interior finish pine and redwood. Open fire place and tile mantel. Exterior covered with rustic and cement plaster. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 40, 2 story and base, frame, \$4,000 each. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owners name withheld. Location, Rockridge. Each house will contain seven rooms, bath and sleeping porches. Interiors will be finished in pine, redwood and white enamel. Hardwood floors. Open fire places and tile or brick mantels. Bath rooms tile. Automatic water heaters. Exteriors covered with cement plaster. Plans complete for the first unit and figures being taken.

HILLSBOROUGH, SAN MATEO CO., CAL.—Residence, 2 story and base, frame, \$10,000. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, Dr. Cohen. Will contain twelve rooms, three baths and sleeping porch. Separate garage. Interior finish hardwood and white enamel. Hardwood floors throughout. Central heating system, hot water circulating system and open fire places. Mantels tile and brick. Bath rooms tile. Exterior covered with cement plaster. Plans complete and segregated figures being taken.

SCHOOLS

ALBANY, ALAMEDA CO., CAL.—School 1 story and base. Class C construction. Cost not stated. Architect, John J. Donovan, Dalziel Bldg., Oakland. Owners, Town of Albany. The architect has just been selected to prepare plans and a detailed description of the work cannot be given. Further mention will be made of the work.

GRAY'S SCHOOL DISTRICT, FRESNO CO., CAL.—School, 1 story and base, frame, \$1,000. Architects, Glass & Butler, Rowell Bldg., Fresno. Owner's Gray's School District. Designed for a district school and will contain one class room. Interior trim pine. Stove for heating. Exterior covered with rustic or shingles. Plans being prepared.

MORAGA, CONTRA COSTA CO., CAL.—School, 1 story and base, frame, \$10,000. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, Moraga School District. Will contain two class rooms and an assembly hall. In-

terior finish pine. Central heating system to be installed later. Exterior covered with cement plaster. Plans complete and plans out for figures. Bids open July 13th.

RIO VISTA SOLANO CO., CAL.—Convent, 2 story and base, frame, \$15,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Roman Catholic Church. Will contain class rooms and chapel. Interior finish pine and redwood with some maple floors. Art glass windows. Hot air heating system. Exterior covered with ship-lap. Plans being prepared.

MARTINEZ, CONTRA COSTA CO., CAL.—Manual training building, 1 story frame. Cost not stated. Architect, none. Owners, Alhambra School District. Bids will be opened on July 13th at 10 a. m. for the complete construction of a new manual training school. Plans can be secured from J. E. Rodgers, Secretary of the School Trustees, Bryon Brown Bldg., Martinez.

POINT REYES, MARIN CO., CAL.—School repairs, frame. Cost not stated. Architect, Thomas O'Connor, 524 East street, San Rafael. Owners, Point Reyes School District. Work will consist of plastering, raising building, resetting blackboards and exterior and interior painting. Plans are complete and bids will be opened on July 12th at 2 p. m.

BERKELEY, ALAMEDA CO., CAL.—School toilet, frame. Cost not stated. Architect, none. Owners, City of Berkeley. Bids will be opened on July 11th for the construction of a toilet building on the grounds of the Longfellow School. Plans can be secured from the Secretary of the Board of Education.

SAN FRANCISCO—School, 3 story and base, frame, \$20,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. John's Parish. Location, St. Mary's between Marsilly and Bosworth. Will contain nine class rooms, office, library and assembly hall. Interior finish pine with maple floors. Steam heat and oil burning furnace. Exterior covered with ship-lap.

Plans are also being prepared for a two-story convent building to be erected on adjoining property which will contain class rooms and a large chapel. An estimated cost of \$10,000 is placed on this work. Plans are being prepared.

SAN FRANCISCO—School Electric work. Cost not stated. Architect City Department of Architecture, City Hall. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on July 12th for the electric work in the Daniel Webster School.

ORLAND, GLENN CO., CAL.—Manual training building, 2 story and base, reinforced concrete. Cost not stated. Architect, Prof. H. L. Husse, Orland. Owners, City of Orland. Will cover an area of 42 by 90 feet. Main floor will contain iron and wood working rooms recitation room and office. Upper floor arranged for gymnasium. Interior finish pine with maple floor in gymnasium. Exterior faced with cement plaster. Plans complete.

LAKEPORT, LAKE CO., CAL.—School, 1 story and base, frame and plaster. Cost not stated. Architects, Morrow & Garren, Chronicle Bldg., S. F. Owners, Town of Lakeport. Will contain seven class rooms and assembly hall. Interior finish pine with maple floors. Central heating system,

probably hot air. Exterior covered with cement plaster. Plans complete and figures to be called for in about two weeks.

PLACERVILLE, EL DORADO CO., CAL.—School, 1 story and base, hollow tile, \$27,000. Architects, N. W. Sexton & Co., Merchants' National Bank Bldg., S. F. Owners, Town of Placerville. Designed for a high school and will contain nine class rooms, auditorium and library. Interior finish pine with maple and tile floors. Central heating system, probably hot air. Exterior faced with cement plaster.

Plans are also being prepared for a one-story hollow tile grammar school which will contain one class room. Plans will be completed for both buildings within a week or ten days when figures will be called.

EAST AUBURN, PLACER CO., CAL.—School addition, frame construction. Cost not stated. Architect's name not given. Owners, Town of East Auburn. Bids will be opened by the Board of School Trustees on July 10th for the addition of two class rooms to the present building. Plans can be secured from the Secretary of the Board at East Auburn.

SAN JOSE, SANTA CLARA CO., CAL.—School, 1 story and base, frame, \$24,000. Architect, Charles S. McKenzie, San Jose Bank Bldg., San Jose. Owners, City of San Jose. Location, First Ward. Will contain twelve class rooms and an assembly hall. Interior finish pine with maple floors. Steam heat, oil burning plant and vacuum cleaning. Exterior covered with cement plaster. Clay tile roof. Plans complete and figures to be called for at once.

SAN JOSE, SANTA CLARA CO., CAL.—School, 1 story and base, frame, \$24,000. Architect, Frank D. Wolfe, Bank of Italy Bldg., San Jose. Owners, City of San Jose. Location, 23rd and Jefferson streets. Will contain twelve class rooms and an auditorium. Interior finish pine with maple floors. Steam heat, oil burning furnace and vacuum cleaning. Exterior faced with cement plaster. Plans complete and figures to be called for shortly.

ALBANY, ALAMEDA CO., CAL.—School, 1 and 2 story. Class C construction, \$25,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Town of Albany. Will contain eight class rooms and assembly hall. Interior finish pine with maple floors in the class rooms. Steam heat and oil burning furnace. Exterior faced with either cement plaster or pressed brick. Preliminary plans prepared. Further mention of this work.

Contracts Awarded.

WASCO, ORE.—School, 1 story and base, reinforced concrete. Cost as follows. Architects, Tourtelotte & Hummel, Rothchild Bldg., Portland. Owners, City of Wasco. Contractors, general construction, A. E. Sykes & Co., \$19,560; heating, Wm. Bunce, \$2,948; plumbing, Appling & Griggs, \$1,117.

SAN FRANCISCO—School fire escapes. Cost as follows. Architect City Department of Architecture, City Hall. Owners, City and County of San Francisco. Contractors, Ralston Iron Works, S. F. Contract prices: Crocker School, \$2,550; Durant School, \$2,339; Douglass School, \$2,223; Fremont School, \$1,936; Monroe School, \$3,663.

CROCKETT, CONTRA COSTA CO., CAL.—School repairs, frame, \$3,220, Ar-

chitect, Norman R. Coulter, 46 Kearny street S. F. Owners, Crockett School District. Contractors, Keller & Crane Oakland. Contract price, \$3,220.

ROSEDALE SCHOOL DISTRICT, TULARE CO., CAL.—School, 1 story frame, \$1,500. Architect, F. W. Griffin, Porterville. Owners, Rosedale School District. Contractors, Marlow & Son Lindsay. Contract price, \$1,500.

SAN FRANCISCO—School brick work, 2 story, brick and steel, \$24,455. Architect's name not given. Owners, City and County of San Francisco. Contractor, T. W. McGlenahan, Call Bldg., S. F. brick work only on the Daniel Webster School.

SEWERS, STREET WORK & WATER SYSTEMS

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, San Francisco. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded: For the improvement of Folsom street, between 4th and 5th streets, by the construction of artificial stone sidewalks, where artificial stone, asphalt or basalt block sidewalks are not already constructed. Awarded to Thomas A. Clark, 68 Post street, S. F., for \$253.82.

For the improvement of Corbett avenue, between Hattie and Danvers Sts., by the construction of artificial stone sidewalks. Awarded to Philip O'Donnell, 4110 1/2 25th street, for \$232.82.

For the improvement of the crossing of Allison and Morse streets by the construction of a 12-inch, vitrified, salt-glazed, ironstone pipe sewer and one brick manhole. Awarded to B. A. Lundy for \$313.

For the improvement of Bartol St., between Vallejo and Broadway, and that portion of Vallejo street opposite the termination of Bartol street, by the construction of a modified sidewalk, consisting of a reinforced concrete stairway for 14 feet, and artificial stone sidewalk, a concrete coping along the property lines, by resetting the frame and cover of an existing manhole, by redressing and resetting to grade existing granite curbs, granite curbs and a vitrified brick pavement. Awarded to D. O. Church Co., 68 Post street, S. F., for \$1,440.69.

For the improvement of Morse St., from a line 374 feet 6 inches from Newton street to the west line of Curtis street, produced northerly, by grading, construction of concrete curbs, artificial stone sidewalks, an 8-inch, vitrified, salt-glazed, ironstone pipe sewer, brick catchbasins with 10-inch, vitrified, salt-glazed, ironstone pipe culverts, and by paving the roadway with an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to The Fay Improvement Co., Phelan Bldg., S. F., for \$5,482.24.

SACRAMENTO, CAL.—Street Improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento: To the McGillivray Construction Co., 1007 7th street, Sacramento, the Improvement of the alley between P and Q streets, from the east line of 4th street to the west line of 5th street, by removing and disposing of all refuse material, constructing one concrete catchbasin, complete, with cast iron curb and cover, placing 8 linear feet of 8-inch, vitrified, ironstone sewer pipe, grading

the roadway and constructing thereon an asphalt macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Also the improvement of the alley between Front and 2nd streets, from the north line to Q to the south line of L, by removing and disposing of all refuse material, construct 5 concrete catchbasins, complete, with cast iron curbs and covers, reconstruct 5 concrete manholes, 25 linear feet of 8-inch, vitrified, ironstone sewer pipe drain, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 5 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick, except for a distance of 80 feet south of the south line of L street, where granite block pavement shall be constructed. Also the improvement of 14th street, from the south line of P to the north line of Q street, by removing all refuse material, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement concrete wearing surface 1½ inches thick. Also the improvement of the alley between K and L streets, from the east line of 14th to the west line of 15th street, by removing and disposing of all refuse material, constructing one concrete catchbasin, complete, with cast iron curb and cover, placing 6 linear feet of 8-inch, vitrified, ironstone sewer sewer pipe drain connecting catchbasin to sewer; grading the alley and constructing thereon an asphaltic pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick.

SACRAMENTO, CAL.—Street Improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The following contracts for street improvements have been awarded by the City Commission: To Clark & Henry Construction Co., Ochsen Bldg., Sacramento, that the intersection of 31st and M streets be improved by removing and disposing of one 51 by 10-foot brick arch culvert and all other surplus and refuse material; construct concrete gutter, grading the space between the property line and curb, concrete sidewalks, reconstruct one concrete manhole, grade the roadway and construct thereon an asphalt concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphalt concrete wearing surface 1½ inches thick. Also the improvement of Channing Way, from the south line of Schley avenue to the north line of lot M of Wright & Kimbrough Tract No. 20, by removing and disposing of 480 square feet of concrete sidewalk, 1-28 linear feet of wooden curb and all other surplus and refuse material; constructing concrete curb, concrete gutter, 6 and 8-inch vitrified, ironstone sewer pipe drains, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes, complete, with cast iron curbs and covers, grading the space between the property line and curbs, constructing concrete sidewalks, grading the roadway and constructing thereon an asphaltic concrete

concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Also the improvement of Sylvan Way, from the south line of Schley avenue to the north line of lot M, Wright & Kimbrough Tract No. 20, by removing and disposing of all refuse material, constructing concrete curb, concrete gutter, 6 and 8-inch, vitrified, ironstone sewer pipe drains, 6-inch, vitrified, ironstone sewer pipe elbows attached, concrete manholes, complete, with cast iron curbs and covers; grading; concrete sidewalks; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, and an asphaltic concrete wearing surface 1½ inches thick.

To W. J. Tobin, 735 Filbert street, Oakland, the improvement of alley between V and W streets from 31st to 34th street; the alley between W and Olive streets from 31st to 34th street, and the alley between Olive avenue and Y street, by excavating a trench in each of said alleys and constructing therein an 8 and 10-inch, vitrified, ironstone pipe sewer and 6-inch, vitrified, ironstone Y branches and 9 concrete manholes, complete, with cast iron curbs and covers and backfilling all trenches. Also the improvement of Sacramento avenue, from a point obtained by the intersection of a line parallel to and 705 feet east, measured at right angles from the center line of 36th street with a line parallel to and 12 feet north, measured at right angles to the center line of Sacramento avenue to Leland Stanford avenue and Leland Stanford avenue from Sacramento avenue to the intersection of Leland Stanford and Manzanilla avenue by excavating a trench and constructing therein 10, 12 and 14-inch, vitrified, ironstone pipe sewer and 5 concrete manholes, complete, with cast iron curbs and covers.

To A. Teichert & Son, Ochsen Bldg., Sacramento, the improvement of Bonita avenue, from the east line of Freport road to the west line of 24th street, by removing and disposing of all refuse material, constructing concrete curb, 6 and 8-inch, vitrified, ironstone sewer pipe drains, concrete manholes, complete, with cast iron curbs and covers, placing cast iron gutters and drains with 6-inch, vitrified, ironstone sewer pipe elbows attached, grading between property line and curb, concrete sidewalks, grading the roadway and constructing an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick and an asphaltic cement flush coat 1½ inches thick.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. The following street improvements have been awarded: The improvement of 4th avenue, from the southwest line of East 14th street to a line parallel to and distant 50 feet northeast from the northeast line of East 16th street and the crossing of East 16th street with 45th avenue, each to be graded, curbed with redwood, concrete guttered 3 feet wide, paved with oil macadam and cement sidewalks 6 feet wide. Also that a vitrified pipe conduit, having an in-

ternal diameter of 12 inches be constructed in 45th avenue from the northeast line of East 10th street to the existing water course crossing said 13th avenue about 340 feet southwest of East 10th street, one-half of said conduit to be located parallel to and distant 13 feet southeast from the northwest line of 45th avenue. Also that a brick manhole be constructed at the northeast end of said conduit; also that a corrugated iron and concrete culvert, having two branches, be constructed in the crossing of East 12th street and 45th avenue. Awarded to the Hutchinson Co., 13th and Franklin streets, Oakland.

That a sewer having an internal diameter of 8 inches be constructed along the center line and its production of Harvey avenue from the center line of 57th avenue to a point distant 545 feet northwest therefrom, measured along said center line of Harvey avenue; also a brick manhole be constructed at the northwest end of sewer; also Y branches, each having 5-inch openings, be constructed on said sewer so as to provide one such branch for each 25-foot lot. Said sewer, Y branches and lamphole (except the top) shall be constructed of vitrified sewer pipe. Awarded to E. H. Sundberg, Oakland Bank of Savings Bldg., Oakland.

That a sewer, having an internal diameter of 8 inches, be constructed along the center line of D street, from the center line of 88th avenue to a point distant 200 feet southeast therefrom, measured along said center line of D street; also that a lamphole, having a top of brick and cast iron be constructed at the southeast end of said sewer; also Y branches having 5-inch openings be constructed on said sewer so as to provide one such branch for each 25-foot lot. Said sewer, Y branches and lamphole (except the top) shall be constructed of vitrified sewer pipe. Awarded to D. U. Toffelmier, First National Bank Bldg., San Leandro, Cal.

OAKLAND, CAL.—Street work. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be received on July 13th at 12 noon for street improvements authorized under the following resolutions: For the improvement of East 17th street, from the south line of 55th avenue to the north line of 57th avenue, by grading, redwood curbs, concrete gutters 3 feet wide and paved with oil macadam (with exceptions.) For the improvement of portions of 89th avenue by grading, redwood curbs, concrete gutters 3 feet wide and paved with oil macadam and cement sidewalks 6 feet wide.

BERKELEY, ALAMEDA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contracts for street improvements have been awarded as follows: For the improvement of Walnut street, from the north line of Berryman street north to the north line of Highlands, and Eunice street, from the east line of Shattuck avenue east to Walnut street, by grading, concrete curbs, cast iron concrete culverts with granite header blocks, concrete walls with concrete posts and wrought iron pipe railing and earth terracing, concrete gutters and the remainder of the roadway be paved with oiled macadam pavement. Awarded to

the Hutchinson Co., 13th and Franklin streets, Oakland.

For the improvement of the roadway of Tamalpais street, from the west extension of the south line of Shasta street north to the west line of Tallac, and Tallac street from the west line of Shasta street west and north to a line drawn from the point of intersection of the north line of Tamalpais street, etc., by grading, concrete curbs, cast iron curb inlets and catchbasins with gratings, and roadways paved with a concrete pavement 5 inches thick. Awarded to The Western Construction Co., Russ Bldg., S. F.

STOCKTON, SAN JOAQUIN CO., CAL.—Sewer construction, \$7,745. Engineer, City Engineer, Stockton. Owners, City of Stockton. The plans and specifications of the City Engineer for the construction of lateral sewers on portions of Magnolia, Acacia, Poplar, Flora, Park, Oak, San Jose, Fremont, Stockton, Yosemite, Argonaut, Orange and West streets. There will also be 224 house branches made to lots in order that the street will not have to be torn up again. The City Engineer's estimate for the work amounts to \$1,745. Bids for this work have been ordered received. Plans may be had from the City Clerk.

BERKELEY, ALAMEDA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The City Council has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the following work: The improvement of Dwight Way by regrading, constructing concrete culverts with cast iron manholes and granite header blocks, and to pave the roadway with asphalt wearing surface 2 inches thick on a concrete foundation 5 inches thick.

BAKERSFIELD, KERN CO., CAL.—Street improvements. Cost as follows. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. The following contracts have been awarded by the City Council: To F. W. Nighbert, 817 I street, Bakersfield, for the improvement of portions of C street and Dracena street, to be graded, tamped and rolled, on his bid of 1.5c per square foot for grading and tamping and 65c per linear foot for laying 5½-inch iron culverts. Also the improvement of Beale avenue to be graded, tamped and rolled, that parking spaces, cement concrete curbs and wrought iron pipe culverts be constructed. The bid was 1.7c per square foot for grading, rolling and tamping, 35c per linear foot for laying 14-inch concrete curb, and 65c per linear foot for laying 5½-inch wrought iron pipe for culverts.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on July 11th at 10 a. m. for street improvements authorized under the following resolutions: That portions of Grove and Adeline streets be improved by concrete curbs and gutters, reconstructing existing catchbasins, cast iron culverts with concrete inverts and granite header blocks connecting catchbasins to the adjacent gutters to be constructed, corrugated iron culverts with concrete inlets thereto fitted with cast iron covers, and the roadway be paved with

asphaltic concrete 2 inches thick on a 5-inch foundation of hydraulic cement concrete.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement. Cost as follows. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. At the last meeting of the City Council the following bids were opened for the improvement of a portion of San Pablo avenue, from the northern city limits to the Oakland branch of the Santa Fe: Fred Schnoor 5995 Claremont, Oakland, \$33,187.17; F. H. Ritchie & Co., S. F., \$36,320.89; Johnson-Shea Co., Oakland, \$38,798.37; S. C. Rogers, Richmond, \$35,599.59; Municipal Improvement Co., Richmond, \$35,810.30, and Ransome-Crummey Co., Oakland, \$37,960.35. The following bids were opened for the installation of Sewers in the Richmond Center Tract: Javen Co., Richmond, \$26,135.46; Fred Meyers, Richmond, \$21,132.16; Staniger & Mollath, \$21,929.93; Chambers & Heafey, Oakland, \$25,162.71; Wm. F. Edwards, Oakland, \$22,772.65, and L. L. Page, \$21,457.94. The contracts will not be awarded for a week.

SACRAMENTO, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be received up to July 13th at 11 a. m. for the improvement of 24th street, from Bonita avenue to 3rd avenue in West Curtis Oaks, by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch elbows attached, concrete manholes, 6 and 8-inch, vitrified, ironstone sewer pipe drains, grading the space between the property line and curb, concrete sidewalks, grading the road and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick.

For the improvement of the alley next west of Hawley avenue, from south Cornell avenue to north Schley avenue, by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with 24 6-inch, vitrified, ironstone Y branches, etc., concrete manholes, complete, and backfilling trench.

For the improvement of K street, from the east line of 15th street to the east line of 21st street, by grading the roadway and constructing thereon an asphaltic macadam pavement 3 inches thick.

For the improvement of 15th street from the south line of B street to the south line of G street by grading the roadway and constructing thereon an asphaltic macadam pavement 3 inches thick.

For the improvement of J street, from Mont Clair avenue to Apricot avenue, by excavating a trench and constructing therein 8, 10, 12, 15, and 18-inch, vitrified, ironstone pipe sewer and 16 concrete manholes, also three 8-inch, vitrified, ironstone pipe inlets in manholes.

SAN FRANCISCO.—Street improvements. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The improvement of the crossing of Balboa street and 23rd by grading, construction of 8, 10 and 12-inch, vit-

rified, ironstone, salt-glazed pipe sewer, 1 brick catchbasins, concrete curbs, and artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway to Thomas Hutton for \$1,915.45.

The improvement of 47th avenue, between Irving and Judah streets, where not already done, by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer, with 40 Y branches and side sewers and 2 brick manholes with cast iron frames and covers and galvanized, wrought iron steps. Awarded to Robinson Nugent, 2165 Market street, for \$177.50.

The improvement of Potrero avenue, between 25th street and San Bruno avenue, where not already improved, by grading, constructing granite curbs, catchbasins, artificial stone sidewalks and an asphalt pavement. Awarded to Eaton & Smith, 407 11th street, San Francisco, for \$21,659.20.

The improvement of Sanchez street, between 19th and 20th streets, by grading, construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances, 8, 10 and 12-inch, 9 reinforced concrete and brick manholes, 30 Y branches and side sewers, 4 brick catchbasins, concrete curbs and artificial stone sidewalks, a vitrified brick pavement on concrete foundation, asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface, concrete copings around spaces, reinforced and plain concrete retaining walls, stairs, seats and posts, galvanized wrought iron railings, storm water inlets, drains and appurtenances and by planting parking space. Awarded to F. R. Ritchie, Chronicle Bldg., S. F., for \$35,607.16.

The improvement of 26th avenue, between Anza and Balboa streets, by constructing granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to J. G. Harney for \$1,035.

Contracts Awarded.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. The following contracts for street improvements have been awarded: The improvement of Custer street from the southeast line of 35th avenue to the northwest line of Harrington avenue, also a portion of Harrington avenue, be graded, curbed with redwood, paved with oil macadam, sidewalks of cement and corrugated culverts and two brick manholes. Awarded to the Oakland Paving Co., 5000 Broadway, Oakland.

The improvement of Fleming avenue, from the southeast line of High street to a line at right angles to the northeast line of Fleming avenue and distant therefrom 175 feet northwest from the northeast line of the Chittenden Tract, be graded curbed with redwood, concrete gutters 3 feet wide, oil macadam pavement and cement sidewalks 6 feet wide; also two concrete culverts, each having a maximum internal dimension of 6 feet 4 inches in height by 6 feet in width, vitrified pipe conduits, three brick manholes. Awarded to the Hutchinson Co., 13th and Franklin streets, Oakland.

The improvement of Vallecito Place, from the southern line of East 31st street to the northeast curb line of East 27th street, by cement sidewalks 6 feet wide. Awarded to J. Catucci, 1239 18th avenue, Oakland.

The improvement of a portion of Fallon street by grading, concrete curbs, brick gutters 14 inches wide and paved with asphalt; a vitrified pipe conduit, having an internal diameter of 10 inches and a brick storm water inlet with cast iron top. Awarded to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, Cal.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The following street improvements have been awarded: The improvement of 12th street, from R street to W street, by reconstructing three concrete manholes, four catchbasins, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to The McGilivray Construction Co., 1007 7th street, Sacramento, Cal.

The improvement of Y street, from 30th to 31st street, by constructing concrete curb, concrete gutter, placing two cast iron gutter drains with 6-inch vitrified, ironstone sewer pipe elbows attached, 6-inch, vitrified, ironstone sewer pipe drains, grading the space between the property line and curb grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to The Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

The improvement of Sacramento avenue, from Y to Magnolia avenue, by constructing concrete curb, concrete gutter, placing six cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe drains; grading the space between the property lines and curb, concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete pavement 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to The Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

OAKLAND, CAL.—Highway improvements. Cost as follows. Engineer, County Surveyor, Oakland. Owners, Alameda County. The Alameda County Board of Supervisors awarded the contract for the improvement of East 14th street, from San Leandro to Hayward, to the Ransome-Crummey Co., First National Bank Bldg., Oakland, on their bid of \$101,225. Paul Schnoor, 5905 Claremont avenue, Oakland, was awarded the contract for the improvement of Wobber-Sunol road on his bid of \$15,083.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Street paving and sewers, \$31,294.90. Engineer, City Engineer, South San Francisco. Owners, South San Francisco. Contractors, Peterson & Grier, 62 Post street, S. F. Contract price, \$31,294.90.

VISALIA, TULARE CO., CAL.—Street paving. Cost as follows. Engineer,

City Engineer, Visalia. Owners, City of Visalia. Contractors, Worswick Construction Co., Union Trust Bldg., Fresno. Contract price, 11½¢ per square foot.

SEATTLE, WASH.—Paving, \$37,842. Engineer, County Surveyor, Tacoma. Owners, Pierce County. Contractors, Washington Paving Co., Smith Bldg., Seattle. Contract price, \$37,842.

SEATTLE, WASH.—Highway construction, \$29,495. Engineer, County Surveyor, Seattle. Owners, King County. Contractor, Charles G. Huber, Central Bldg., Seattle. Contract price, \$29,495.

STORES AND OFFICES

SAN FRANCISCO—Stores and lofts, 6 story and base, reinforced concrete. Cost not stated. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, John A. Hooper, 110 Market street, S. F. Location, west Battery between Pine and California streets. Will contain a number of stores on the first floor and modern lofts and offices above. Interior finish pine, hardwood and metal. Metal window sash and frames. Elevator service, steam heat, oil burning equipment and vacuum cleaning. Marble and tile wainscot. Patent store fronts. Exterior faced with pressed brick and terra cotta. Plans complete and figures being taken.

ALAMEDA, ALAMEDA CO., CAL.—Stores, 1 story, frame, \$5,000. Architect, A. W. Pattiani, Merchants' National Bank Bldg., S. F. Owner, George T. Wright, Mills Bldg., S. F. Location, northeast Webster and Santa Clara streets. Will contain one large store interior finish pine and redwood with some hardwood in the display windows. Patent store fronts and marble bases. Exterior faced with cement plaster. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Store alterations \$5,000. Architect, none. Owner, W. J. O'Neill, 904 I street, Fresno. Location L and Kern streets. Work will consist of new interior finish, store fixtures and patent store fronts. Marble bases. Plans complete and work to be done by Day Labor.

GUADALUPE, SANTA BARBARA CO., CAL.—Stores and offices, 2 story and base, brick. Cost not stated. Architect, P. Righetti, Phelan Bldg., S. F. Owner's name withheld. Will contain stores on the first floor and a number of modern offices above. Interior finish pine and redwood. Some hardwood in display windows. Patent store fronts and marble bases. Exterior faced with pressed brick. Plans to be ready for figures in about one month.

GRASS VALLEY, NEVADA CO., CAL.—Stores and offices, 3 story and base reinforced concrete. Cost not stated. Architect's name not given. Owner Theodore Kohler, Grass Valley. Will contain stores on the first floor and a number of offices and living apartments on the upper floors. Interior finish pine. Steam heat. Patent store fronts and marble bases. Hot water supply. Exterior faced with cement plaster. Plans being prepared.

LOS ANGELES, CAL.—Stores and lofts, 2 story and base, brick. Cost not stated. Architect, Richard D. King, Van Nuys Bldg., L. A. Owners, W. A.

and M. T. Glascock. Location, Tracton avenue near Alameda, covering an area of 72 by 120 feet. First floor will contain several stores and the upper floors modern lofts. Interior finish pine. Steam heat, elevator service and vacuum cleaning. Patent store fronts and marble bases. Exterior faced with pressed brick. Plans complete and figures being taken.

Contracts Awarded.

GUADALUPE, SANTA BARBARA CO., CAL.—Stores and offices, 2 story and base, brick, \$20,000. Architect, P. Righetti, Phelan Bldg., S. F. Owner, P. Grisingher, Guadalupe. Contractor, W. J. Smith, San Luis Obispo. Contract price, \$20,000.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1056—Proposals for Laboratory, Hardware for Marble Work, Steel Angles and Plates, Soft Steel Bars, Rock Cutter Heads and Blades, Sheet Brass, Machine Bolts, Rivets, Nails, Screws, Staples, Screw Eyes, Brass Nuts, Dood Bolts, Hinges, Hasps, Wardrobe Locks, Screen Door Catches, Furniture Casters, File Handles, Shelf Brackets, Storage Battery Warehouse Trucks, Hydraulic Valve, Cocks, Oiler Spouts, Pulleys, Chain Block, Sash Blocks, Baskets, Buckets, Corn Broom, Floor Brushes, Flue Brushes, Seythe Stones, Lantern Globes, Lamp Chimneys, Graduating Glasses, Tables, Chairs, Bat Traps, Mattings, Hair, Twine, and Base Wood Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. July 14, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1056) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR DREDGING.

DREDGING.—Sealed proposals, endorsed "Proposals for Dredging" will be received at the bureau of yards and docks Navy Department, Washington, D. C., until July 8, 1916, and then there will be opening for dredging at the naval coal depot, California City Point, Tiburon, Cal. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard, Mare Island, Cal. F. R. HARRIS, chief of bureau.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1048—Proposals for structural steel, Bronze Wire Cloth, Steel Pipe, Wrought Iron or Steel Pipe, Pipe Fittings, Brass Tubing, Brass Clean-outs, Floor Drains, Valves, Cocks, Lead Pipe, Lead Traps, Solder, Pipe Hangers, Chain, Brass Shower Heads, Sanitary Fixtures, Range, Boilers, Refrigerator Traps, Oakum, Putty, Door and Window Hardware, Doors and Sash, and Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. July 26, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1048) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

The time for opening bids under the above circular (1048) has been extended from 10:30 a. m. June 26, to 10:30 a. m. July 26, 1916. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

NOTICE is hereby given by the Board of Supervisors of Sonoma County, California, that sealed bids will be received by the Clerk of said Board up to **12 o'clock noon on July 12th, 1916**, for the construction of a bridge over Russian River, at Oaklands, according to plans and specifications for said bridge, now on file in the office of the Clerk of this Board, and being plans and specifications Nos. 1 and 2 submitted to this Board by Leonard & Day, and plan and specifications No. 3, submitted by M. P. Youker.

Separate bids are to be received for any one or all of said plans. Each bidder shall accompany said bid or bids with a certified check made payable to W. W. Felt, Jr., County Clerk, in an amount not less than 10% of the amount for the highest bid submitted by him, and to be forfeited to Sonoma County, should successful bidder fail within ten days after the acceptance of either of said bids submitted, to enter into the contract therefor, and give a good and sufficient bond for the faithful performance of said contract; said bond to be in the shape and form of a cashed check, approved by said Board of Supervisors.

A deposit of \$10.00 for each plan, or a deposit of \$25.00 for the three plans shall be made with the County Clerk by each bidder securing plans, as a guarantee for their return. Checks of unsuccessful bidders to be returned.

The Board hereby reserves the right to reject any or all bids.

Dated June 16th, 1916.

W. W. FELT, JR., County Clerk.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Friday, July 28, 1916**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of the "Home for Working Men," Napa State Hospital, near Napa, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and be plainly marked on the envelope: "Proposal for 'Home for Working Men,' Napa State Hospital, near Napa, California."

(Signed) W. F. McCLURE,
State Engineer.

NOTICE TO CONTRACTORS.

NOTICE is hereby given that sealed bids will be received by the Board of Supervisors of San Mateo County, California, up to **Monday, the 10th day of July, 1916, at the hour of ten o'clock A. M.**, for the construction of cell work, including developing plate work, window guards and doors, stair cases, metal frames, gratings, bunks, etc., for the San Mateo County Jail at Redwood City, California, all as shown in and described by revised plans and specifications as prepared by Will H. Toepeke, Architect, and approved by the Board of Supervisors on June 12th, 1916.

Bids will be accepted up on the easterly line of Webster street north of Broadway.

Estimates on labor and material necessary to furnish and install complete all cell work, locking devices, plate work, metal window guards and doors,

stair cases, metal frames, gratings, bunks, etc., shown in and described by plans and specifications marked Jail Specification.

Bidders will be required to submit with their proposal a certified check or certificate of deposit on some responsible bank or Trust Company in the sum of ten (10%) per cent of their bid. Said check to be made payable to the County Clerk of San Mateo, and will be held as security that the bidder will enter into a written contract with the Board of Supervisors of the County of San Mateo if awarded the contract within ten (10) days from date of award. In the event of a breach of the terms under which this check is held, the said check or certificate of deposit will be cashed and the proceeds thereof placed to the credit of the building fund of said County of San Mateo.

The successful bidder will further be required to give a bond from a satisfactory Surety Company in the sum of fifty (50%) per cent of his contract price, conditional for the faithful performance of his contract within the time limited, and to further insure the payments of all claims for labor and material furnished on the work.

The successful bidder will also be required to warrant the County against liability arising under the Workmen's Compensation Act and against any and every contingency under which the county might be held liable during the progress of all the work connected with the construction of said Jail Building.

The contract will provide for the retention of twenty-five (25%) per cent of the contract price for thirty-five (35) days after the completion of the work, and the filing of the notice of completion of the work. Bidders will take notice that there is now available for the purpose of constructing said Jail Building the sum of \$12,557.00; that sixty (60%) per cent of the remainder of the amount necessary for the completion of said Jail Building will be available in cash on or about January 1, 1917, and that the balance will be available on and after June 1, 1917. The contract price will be made payable in installments as the work progresses and as the funds are actually available.

Sealed estimates should be filed with the Clerk of the Board of Supervisors. The said Board of Supervisors of said County hereby reserves the right to reject any and all bids.

Plans and specifications can be seen and secured at the County Clerk's Office in Redwood City, or at the office of the Architect, W. H. Toepeke, No. 46 Kearney Street, Room 508, San Francisco, California.

All bidders estimating on work will be required to deposit the sum of twenty (\$25.00) Dollars in check or cash on securing the plans and specifications. This amount to be returned to the Contractor when plans and specifications are returned in good condition.

By order of the Board of Supervisors.
JOS. H. NASIH, Clerk

PROPOSALS FOR BUILDING.

OFFICE of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office until **10 o'clock A. M., Monday, the 10th day of July, 1916**, (the day when said bids will be opened), for the construction of an Annex to the Hall of Records, situated at Fifth and Broadway Streets, in the city of Oakland, County of Alameda, State of California.

Bids will be received on each of the following departments of work:
1.—Medicine and dispensary, brick work, stone work, concrete work, carpenter work, mill work, glass, stairs, steel fire doors, ornamental and miscellaneous iron and steel work, window guards, plastering, lathing, ceiling, damp-proofing, felt and gravel roofing, sheet metal, skylights, hardware, painting, etc.

Department No. 2.—Plumbing, drains and gas fitting.

Department No. 3.—Electrical work.

Department No. 4.—Marble work, tiling.

Department No. 5.—Heating.

Department No. 6.—Elevator work.

Department No. 7.—Well boring and casing.

Complete plans and specifications for each of these separate departments of work are on file in the Hall of Records Building, Oakland, where copies may be obtained. Bids, accompanied with the County Clerk the sum of Ten Dollars (\$10.00). Contractors will be restricted as to the length of time they may retain these plans and specifications to twenty (20) days on department No. 1 and to five (5) days on all other departments.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board of Supervisors of Alameda County, to be forfeited to the County of Alameda as agreed to by the contractor. Should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the contract.

Dated June 20, 1916. (Seal)
GEO. E. GROSS,
Clerk of Board of Supervisors of the County of Alameda.

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the office of Lewis P. Hobart, Crocker Building, San Francisco, Cal., at or before **3 o'clock P. M., Wednesday, July 19, for the Lincolnum for the University Hospital, at Fourth and Paraisus Aves., San Francisco, Cal.**, and as per plans and specifications on file and obtainable at the Cashier's office in the Controller's office of the University of California, Berkeley, California.

A deposit of \$50.00 will be required for each set of plans and specifications taken out which deposit will be refunded upon return of said plans and specifications accompanied by a regular bid for the work. No bids will be received unless accompanied by a certified check or bond in favor of the undersigned equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA. (S)

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Friday, July 28, 1916**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of the "Home for Working Men," Napa State Hospital, near Napa, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and be plainly marked on the envelope: "Proposal for 'Home for Working Men,' Napa State Hospital, near Napa, California."

(Signed) W. F. McCLURE,
State Engineer. (S)

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

RECLAMATION WORK—Cost not stated. Ronan, Mont. Engineers, United States Reclamation Service, St. Ignatius, Mont. The Reclamation Service is asking for bids for the construction of canal structures on the Flathead project, Montana, involving about 8,000 cubic yards of excavation, 600 cubic yards of reinforced concrete, 2,560 square yards of paving, manufacturing and laying 3,570 linear feet of concrete pipe, and placing 70,500 pounds of structural and reinforcing steel. The work is located from 6 to 8 miles west of Ronan, Mont. Bids will be opened at the U. S. Reclamation Service, St. Ignatius, Mont., July 18, 1916.

RECLAMATION TUNNELS—Cost as follows. Fort Laramie, Wyo. Engineers, United States Reclamation Service, Laramie. A contract has been awarded under authority of the Secretary of the Interior to MacArthur Bros. Co. of New York City, the lowest bidders, for the construction of tunnels 1 and 2, Fort Laramie unit, North Platte project, Nebr., at a total price of \$242,032.50. The work involves approximately 4,850 linear feet of tunnel excavation and 12,000 cubic yards of concrete in place, and is situated near the Bridgeport-Guernsey line of the Chicago, Burlington & Quincy Railway, in the vicinity of Fort Laramie.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 463 14th avenue. Location, East Ashbury west of Upper Terrace. Will contain eight rooms, two baths and sleeping porch. Interior finish pine, hardwood and white enamel. Hardwood floors. Open fire places and tile mantels. Furnace heat. Bath rooms tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCES—5, 1 story and base frame, \$1,700 each. San Francisco. Architect, F. Holberg Reimers, 2145 Shattuck avenue, Berkeley. Owners, Bay View Construction Co., 2148 3rd street, S. F. Location, Bay View Tract. A total of 100 lots has been secured by this company for development, and houses will be erected in groups of five. Each dwelling will contain five rooms and bath. Interiors will be finished in pine and redwood. Some hardwood floors. Open fire places and tile mantels. Automatic water heaters. Exterior covered with rustic, shingles and cement plaster. Work will be done by Day Labor.

RESIDENCES—6, 2 story and base, frame, \$4,500 each. San Francisco. Architect, Charles E. J. Rogers, Phelan Bldg., S. F. Owners, Conservative Realty and Investment Co., Phelan Bldg., Location, 29th avenue, Richmond District. Each dwelling will contain seven rooms, bath, basement garage and sun porch. Interiors will be finished in pine, hardwood and white enamel. Hardwood floors. Furnace heat and open fire places. Mantels tile and brick. Bath rooms tile. Automatic water heaters. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 2 story and base, frame, \$5,000 each. San Francisco. Architect's name not given. Owners, Allen & Co., 125 Sutter street, S. F. Location, east 28th avenue north of California. Each house will contain seven rooms, two baths and basement garage. Interior finish pine, hardwood and white enamel. Hardwood floors. Open fire places and furnace heat. Mantels tile and brick. Bath rooms tile. Automatic water heaters. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$4,000. San Francisco. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Improvement Co., sold to William R. Bremmer. Location, Ingleside Terrace. Will contain seven rooms, bath and garage. Interior will be finished in hardwood and white enamel. Hardwood floors throughout. Furnace heat and open fire places. Mantels tile and brick. Bath rooms tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—2 story and base, frame, \$6,000. San Francisco. Architect, Jaul J. Capurro, 1814 Powell street, C. F. Owner, A. Ramazzotti, 1163 Vallejo street, S. F. Location, south Vallejo east of Polk, covering an area of 26 by 76 feet. Will contain a store on the first floor. Upper floor arranged for two-room apartments. Interior finish pine and redwood. Marble and tile vestibule. Exterior covered with brick veneer, cement plaster and rustic. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$25,000. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, Graham & Rhine. Location, south Washington east of Presidio. Will contain six apartments of six rooms and two baths each. Large sun porches and basement garage. Interior finish hardwood and white enamel. Hardwood floors throughout. Bath rooms finished in tile and equipped with showers. Steam heat, oil burning plant and vacuum cleaning. Hot water system and automatic elevator. Marble and tile wainscot. Imported tapestries. Exterior covered with cement plaster. Plans nearly complete and figures to be called for shortly.

APARTMENT HOUSE—4 story and base, Class C construction, \$25,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Herman Hogefer, 110 Upper Terrace, S. F. Location, northeast Geary and Larkin. First floor arranged for 21 suites of two and three rooms. Interior finish pine and elm with some white enamel. Hardwood floors. Steam heat, automatic elevator and hot water system. Patent store fronts and marble bases. Bath rooms tile. Wall beds. Exterior faced with pressed brick. Plans complete and work to be done by Day Labor.

HOTEL AND STORES—3 story and base, Class C construction, \$15,000. San Francisco. Architect, P. Righetti, Phelan Bldg., S. F. Owner, Frank Pedelle. Location, Powell between Jackson and Washington streets. First floor arranged for stores and upper floor for rooms. Interior finish pine and redwood. Several baths. Hot water supply. Patent store fronts. Exterior faced with pressed brick. Plans being prepared.

APARTMENT HOUSE ALTERATIONS—2 story and base, frame, \$4,000. San Francisco. Architect, P. Righetti, Phelan Bldg., S. F. Owner's name withheld. Location, Sunset District. Work will include new interior trim, plastering, painting, plumbing and electric work. Considerable exterior alteration will also be necessary. Plans are being prepared.

PCST OFFICE—2 story and base, brick and concrete, \$77,000. Dauglass, Ariz. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Grant Fee, 2440 16th street, S. F., presented the low bid for constructing the new post office building at Douglas, Arizona, at \$77,000. His bid called for limestone exterior facing. No award has been made.

SCHOOL—3 story and base, frame \$20,000. San Francisco. Architect John J. Foley, 46 Kearny street, S. F. Owners, St. John's Parish. Location, St. Mary's between Marsilly and Bosworth streets. Will contain nine class rooms, office, library and assembly hall. Interior finish pine with maple floors. Steam heat and oil burning furnace. Exterior covered with ship-lap.

Plans are also being prepared for a two-story frame convent building to be erected on adjoining property which will contain class rooms and a large chapel. An estimated cost of \$10,000 is placed on this work. Plans are being prepared.

SCHOOL ELECTRIC WORK—Cost not stated. San Francisco. Architect, City Department of Architecture, City Hall. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on July 12th for the electric work in the Daniel Webster School.

FACTORY—3 story and base, mill construction. Cost not stated. San Francisco. Architect, Hermann Barth, 12 Geary street, S. F. Owners, Frye & Co. Location, southeast Front and Pacific streets. Interior finish of front portion pine and hardwood, balance rough. Special machinery. Metal window sash and frames. Exterior faced with stock brick. Plans complete and ready for figures.

FLAT ALTERATION—Frame construction, \$6,000. San Francisco. Architect, none. Owner Mrs. E. T. Wilson, 1449 Leavenworth street, S. F. Location, 1449 Leavenworth street. Work will consist of raising the building, garage in basement, wall beds, plastering, painting, plumbing and electric work. Some exterior work will also be required. Plans complete and owner to let contracts.

STORES AND LOFTS—6 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, John A. Hooper, 110 Market street, S. F. Location, west Battery between Pine and California streets. Will contain a number of stores on the first floor and modern lofts and offices above. Interior finish pine, hardwood and metal. Metal window sash and frames. Elevator service, steam heat, oil burning equipment and vacuum cleaning. Marble and tile wainscot. Patent store fronts. Exterior faced with pressed brick and terra cotta. Plans complete and figures being taken.

Contracts Awarded

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The improvement of the crossing of Balboa street and 23rd by grading, construction of 8, 10 and 12-inch, vitrified, ironstone, saltglazed pipe sewer, 4 brick catchbasins, concrete curbs, and artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the road way, to Thomas Hutton, for \$1,915.45.

The improvement of 4th avenue, between Irving and Judah streets, where not already done, by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer, with 40 Y branches and side sewers and 2 brick manholes with cast iron frames and covers and galvanized, wrought iron steps. Awarded to Robinson Nugent, 2165 Market street, for \$177.50.

The improvement of Potrero avenue, between 25th street and San Bruno avenue, where not already improved, by grading, constructing granite curbs, catchbasins, artificial stone sidewalk and an asphalt pavement. Awarded to Eaton & Smith, 407 11th street, San Francisco, for \$31,659.20.

The improvement of Sanchez street, between 19th and 20th streets, by grading, construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances, 8, 10, and 12-inch, 9 reinforced concrete and brick manholes, 30 Y branches and side sewers, 4 brick catchbasins, concrete curbs and artificial stone sidewalks; granite curbs and artificial stone sidewalks, a vitrified brick pavement on concrete foundation, asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface, concrete copings around spaces, reinforced and plain concrete retaining walls, stairs, seats and posts, galvanized, wrought iron railings, storm water inlets, drains and appurtenances and by planting parking space. Awarded to F. R. Ritchie, Chronicle Bldg., S. F., for \$35,607.16.

The improvement of 26th avenue, between Anza and Balboa streets, by constructing granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to J. G. Harney for \$1,035.

SCHOOL FIRE ESCAPES—Cost as follows. San Francisco. Architect, City Department of Architecture, City Hall. Owners, City and County of San Francisco. Contractors, Ralston Iron Works, S. F. Contract prices: Crocker School, \$2,580; Durant School, \$2,339; Douglass School, \$2,223; Fremont School, \$1,986; Monroe School, \$3,663.

SCHOOL BRICK WORK—2 story, brick and steel, \$24,485. San Francisco. Architect's name not given. Owners, City and County of San Francisco. Contractor, T. W. McClenahan, Call-Post Bldg., S. F., brick work only on the Daniel Webster School, \$24,485.

RADIO BUILDINGS—2, 1 story, frame, \$8,900. San Francisco. Architect, Bureau of Yards and Docks, Washington, D. C. Owners, United States Government. Contractor, R. S. K. MacMillen, 154A Duncan street, S. F. Contract price, \$8,900. Time 49 days.

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, San Francisco. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded: For the improvement of Folsom street, between 4th and 5th streets, by the construction of artificial stone sidewalks, where artificial stone, asphalt or basalt block sidewalks are not already constructed. Awarded to Thomas A. Clark, 68 Post street, S. F., for \$253.82.

For the improvement of Corbett avenue, between Hattie and Danvers Sts., by the construction of artificial stone sidewalks. Awarded to Philip O'Donnell, 4110½ 25th street, for \$232.82.

For the improvement of the crossing of Allison street and Morse street, by the construction of a 12-inch, vitrified, salt-glazed, ironstone pipe sewer and one brick manhole. Awarded to B. A. Lundy for \$313.

For the improvement of Bartol street, between Vallejo and Broadway, and that portion of Vallejo street opposite the termination of Bartol street, by the construction of a modified sidewalk, consisting of a reinforced concrete stairway for 14 feet, an artificial stone sidewalk, a concrete coping along the property lines, by resetting the frame and cover of an existing manhole, by redressing and resetting to grade existing granite curbs, granite curbs and a vitrified brick pavement. Awarded to D. O. Church Co., 68 Post street, S. F., for \$1,440.69.

For the improvement of Morse street, from a line 374 feet 6 inches east from Newton street to the west line of Curtis street, produced northerly, by grading, construction of concrete curbs, artificial stone sidewalks, an 8-inch, vitrified, salt-glazed, ironstone pipe sewer, brick catchbasins, with 10-inch, vitrified, salt-glazed, ironstone pipe culverts and by paving the roadway with an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to the Fay Improvement Co., Phelan Bldg., S. F., for \$5,482.24.

STREET IMPROVEMENT—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be received up to July 13th at 11 a. m. for the improvement of 24th street, from Bonita avenue to 3rd avenue in West Curtis Oaks, by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch elbows attached, concrete manholes, 6 and 8-inch, vitrified, ironstone sewer pipe drains, grading the space between the property line and curb, concrete sidewalks, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick.

For the improvement of the alley next west of Hawley avenue, from the south line of Cornell avenue to the north line of Schley avenue, by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with 34 6-inch, vitrified, ironstone Y branches, etc., concrete manhole, complete, and backfilling trench.

For the improvement of K street, from east line of 15th street to the east line of 21st street, by grading the roadway and constructing thereon an asphaltic macadam pavement 3 inches thick.

For the improvement of 15th street, from the south line of B street to the south line of G street, by grading the roadway and constructing thereon an asphaltic macadam pavement 3 inches thick.

For the improvement of J street, from Mont Clair avenue to Apricot avenue, by excavating a trench and constructing therein 8, 10, 12, 15, and 18-inch, vitrified, ironstone pipe sewer and 16 concrete manholes, also 3 8-inch, vitrified ironstone pipe inlets in manholes.

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. The following street improvements have been awarded: The improvement of 45th avenue, from the southwest line of East 14th street to a line parallel to and distant 50 feet northeast from the northeast line of East 10th street, and the crossing of East 10th street with 45th avenue, each to be graded, curbed with redwood, concrete gutters 3 feet wide, paved with oil macadam and cement sidewalks 6 feet wide. Also that a vitrified pipe conduit, having an internal diameter of 12 inches be constructed in 45th avenue, from the northeast line of East 10th street to the existing water course crossing said 45th avenue, about 340 feet southwest of East 10th, one-half of said conduit to be located parallel to and distant 13 feet southeast from the northwest line of 15th avenue. Also that a brick manhole be constructed at the northeast end of said conduit; also that a corrugated iron and concrete culvert having 2 branches be constructed in the crossing of East 12th street and

45th avenue. Awarded to The Hutchinson Co., 12th and Franklin streets, Oakland.

That a sewer having an internal diameter of 8 inches be constructed along the center line and its production of Harvey avenue, from the center line of 57th avenue to a point distant 545 feet northwest therefrom, measured along said center line of Harvey avenue; also a brick manhole be constructed at the southeast end of said sewer; also a lamphole with brick and cast iron top be constructed at the northwest end of sewer; also Y branches, each having 5-inch openings, be constructed on said sewer so as to provide one such branch for each 25-foot lot. Said sewer, Y branches and lamphole (except the top) shall be constructed of vitrified sewer pipe. Awarded to E. H. Sundberg, Oakland Bank of Savings Bldg., Oakland.

That a sewer having an internal diameter of 8 inches be constructed along the center line of D street, from the center line of 88th avenue to a point distant 200 feet southeast therefrom, measured along said center line of D street; also that a lamphole, having a top of brick and cast iron, be constructed at the southeast end of said sewer; also Y branches having 5-inch openings be constructed on said sewer so as to provide one such branch for each 25-foot lot. Said sewer, Y branches and lamphole (except the top) shall be constructed of vitrified sewer pipe. Awarded to D. U. Toffelmier, First National Bank Bldg., San Leandro, Cal.

STREET IMPROVEMENT—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contracts for street improvements have been awarded as follows: For the improvement of Walnut street, from the north line of Berryman street to the north line of the Highlands, and Eunice street, from the east line of Shattuck avenue east to Walnut street, by grading, concrete curbs, cast iron concrete culverts with granite header blocks, concrete walls with concrete posts and wrought iron pipe railing and earth terracing, concrete gutters and the remainder of the roadway be paved with oiled macadam pavement. Awarded to The Hutchinson Co., 12th and Franklin streets, Oakland.

For the improvement of the roadway of Tamalpais street, from the west extension of the south line of Shasta street north to the west line of Tallac, and Tallac street from the west line of Shasta street, west and north to a line drawn from the point of intersection of the north line of Tamalpais street, etc., by grading, concrete curbs, cast iron curb inlets and catchbasins with gratings and roadways paved with a concrete pavement 6 inches thick. Awarded to The Western Construction Co., Russ Bldg., S. F.

STREET WORK—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be received on July 13th at 12 noon for street improvements under the following resolutions: For the improvement of East 117th street, from the south line of 55th avenue to the north line of 57th avenue, by grading, redwood curbs, concrete gutters 3 feet wide, and paved with oil macadam (with exceptions.)

For the improvement of portions of 59th avenue by grading, redwood curbs, concrete gutters 3 feet wide, and paved with oil macadam, and cement sidewalks 6 feet wide.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The City Council has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the following work: The improvement of Dwight Way by regrading, constructing concrete curbs and gutters, cast iron culverts with cast iron manholes and granite header blocks, and to pave the roadway with asphalt wearing surface 2 inches thick on a concrete foundation 5 inches thick.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on July 11th at 10 a. m. for street improvements authorized under the following resolutions: That portions of Grove and Adeline streets be improved by concrete curbs and gutters, reconstructing existing catchbasins, cast iron culverts with concrete inverts and granite header blocks connecting catchbasins to the adjacent gutters to be constructed, corrugated iron culverts with concrete inlets thereto, fitted with cast iron covers and the roadway be paved with asphaltic concrete 2 inches thick on a 5-inch foundation of hydraulic cement concrete.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, George H. Hollridge, 5926 Taft avenue, Oakland. Location, east Broadway south of Prospect. Will contain six rooms, bath and sleeping porch. Interior finish pine, redwood and white enamel. Hardwood floors. Open fire place and tile mantel. Bath room tile. Automatic water heater. Exterior covered with rustic and cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, Paul E. Joseph, 842 Cleveland avenue, Oakland. Location, south Cleveland avenue west of Spruce. Will contain seven rooms, bath and sleeping porch. Interior finish pine, hardwood and white enamel. Hardwood floors. Furnace heat and open fire places. Mantels tile and brick. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, H. Goranson, 431 45th street, Oakland. Location, east Laguna south of Hopkins. Will contain five rooms, bath and sleeping porch. Interior finish pine, redwood and white enamel. Hardwood floors. Open fire place and tile mantel. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, W. Oakley, 6121 Noble street, Oakland. Location, west 15th avenue south of East 14th street. Will contain five rooms and bath. Interior finish pine and hardwood with some white enamel. Hardwood floors. Open

fire place and tile or brick mantel. Bath room tile. Automatic water heater. Exterior covered with rustic and cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Oakland, Cal. Architect, none. Location, west 27th avenue north of East 14th street. Each house will contain five rooms, bath and sleeping porch. Interior finish pine, redwood and white enamel with some old panels. Hardwood floors. Open fire places and tile or brick mantels. Bath rooms tile. Automatic water heaters. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Piedmont, Alameda Co., Cal. Architect, none. Owner, J. F. Whalen, 1748 Broadway, Oakland. Location, corner of Bowie and Jerome. Will contain six rooms, bath and sleeping porch. Interior finish pine, hardwood and white enamel. Hardwood floors. Open fire place and tile or brick mantel. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,250. Oakland, Cal. Architect, none. Owner, J. R. Mulrooney, 3560 Peralta avenue, Oakland. Location, north Delaware east of Peralta. Will contain five rooms, bath and sleeping porch. Interior finish pine and redwood with some white enamel. Hardwood floors. Open fire place and tile or brick mantel. Bath room tile. Automatic water heater. Exterior covered with rustic and cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$8,000. Piedmont, Alameda Co., Cal. Architect, John Carson, Bacon Bldg., Oakland. Owner, F. O. Nebeker. Will contain ten rooms, two baths and sleeping porch. Separate garage. Interior finish pine, hardwood and white enamel. Hardwood floors. Open fire places and tile mantels. Furnace heat. Bath rooms tile. Automatic water heater. Exterior covered with rustic and cement plaster. Plans complete and work to be done under the direction of John Carson.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, C. R. Williams, 1236 37th avenue, Oakland. Location, east Laguna south of Hopkins. Will contain five rooms and bath. Interior finish pine and redwood with some white enamel. Hardwood floors. Open fire place and tile or brick mantel. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer City Engineer, Oakland. Owners, City of Oakland. The following contracts for street improvements have been awarded: The improvement of Custer street, from the southeast line of 35th avenue to the northwest line of Harrington avenue, also a portion of Harrington avenue, to be graded, curbed with redwood, paved with oil macadam, sidewalks of cement and corrugated culverts and two brick manholes. Awarded to The Oakland Paving Co., 5000 Broadway, Oakland.

The improvement of Fleming avenue, from the southeast line of High street

to a line at right angles to the northeast line of Fleming avenue and distant thereon 175 feet northwest from the northeast line of the Chittenden Tract, be graded, curbed with redwood concrete gutters 3 feet wide, oil macadam pavement and cement sidewalk 6 feet wide; also two concrete culverts, each having a maximum internal dimensions of 6 feet 4 inches in height by 6 feet in width vitrified pipe conduits, three brick manholes. Awarded to The Hutchinson Co., 13th and Franklin streets, Oakland.

The improvement of Vallecito Place, from the southern line of East 31st street to the northeast curb line of East 27th street, by cement sidewalks 6 feet wide. Awarded to J. Catucci, 1230 15th avenue, Oakland.

The improvement of a portion of Fallon street by grading, concrete curbs, brick gutters 14 inches wide and paved with asphalt, a vitrified pipe conduit, having an internal diameter of 10 inches and a brick storm water inlet with cast iron top. Awarded to The Clark & Henery Construction Co., Ochsner Bldg., Sacramento, Cal.

RESIDENCES—14, 1 story and base, frame, \$1,500 to \$2,250. Oakland, Cal. Architect, none. Owner, Dr. A. Miles Taylor, Head Bldg., S. F. Location, Seminary Court. Will contain three, four and five rooms with sleeping porch and bath. Interiors finished in pine, redwood and white enamel. Hardwood floors. Open fire places and tile mantels. Exteriors covered with shingles, cement plaster and rustic. Plans complete and work to be done by Day Labor. Three houses will be erected at a time.

RESIDENCE — 2 story and base, frame, \$20,000. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, Clarence Bolt. Location, Rockridge. Will contain fifteen rooms, including a large billiard room, three baths and sleeping porches. Separate garage. Interior finish pine, hardwood and white enamel. Hardwood floors throughout. Bath rooms tile. Central heating system, probably hot water and hot water circulating system. Bath rooms tile and equipped with showers. Open fire places and tile and brick mantels. Vacuum cleaning. Exterior covered with cement plaster. Plans complete and segregated figures being taken.

RESIDENCES—5, 2 story and base, frame, \$5,000 each. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, D. Cohen. Location, Country Club Heights. Each house will contain eight rooms, two baths and sleeping porch. Interior finish pine and hardwood with some white enamel. Hardwood floors. Open fire places and furnace heat. Mantels tile or brick. Bath rooms tile. Automatic water heaters. Exteriors covered with cement plaster. Plans complete and figures being taken.

RESIDENCE — 1 story and base, frame, \$1,600. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, E. R. Blahon, 2566 62nd street, Oakland. Location, east Loma Vista avenue. Will contain five rooms and bath. Interior finish pine and redwood. Open fire place and tile mantel. Exterior covered with rustic and cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCES—40, 2 story and base, frame, \$1,000 each. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owners name withheld. Location, Rockridge. Each house will contain seven rooms, bath and sleeping porches. Interiors will be finished in pine, redwood and white enamel. Hardwood floors. Open fire places and tile or brick mantels. Bath rooms tile. Automatic water heaters. Exteriors covered with cement plaster. Plans complete for the first unit and figures being taken.

APARTMENT HOUSE—3 story and base, brick and frame, \$80,000. Oakland, Cal. Architect, J. J. Donnellan, Bacon Bldg., Oakland. Owner's name withheld. Location, Lake District. Will contain a total of 24 apartments arranged in suites of three, four, five and six rooms. Interiors will be finished in pine, hardwood and white enamel. Hardwood floors throughout. Bath rooms tile and equipped with showers. Steam heat, oil burning plant, vacuum cleaning and hot water supply. Open fire places in larger suites. Wall beds. Marble and tile wainscot. Exterior covered with pressed brick veneer and cement plaster. Plans being prepared.

SCHOOL—1 and 2 story. Class C construction, \$25,000. Albany, Alameda Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Town of Albany. Will contain eight class rooms and assembly hall. Interior finish pine with maple floors in the class rooms. Steam heat and oil burning furnace. Exterior faced with either cement plaster or pressed brick. Preliminary plans prepared. Further mention of this work.

SCHOOL—I story and base, Class C construction. Cost not stated. Albany Alameda Co., Cal. Architect, John J. Donovan, Dalziel Bldg., Oakland. Owners, Town of Albany. The architect has just been selected to prepare plans and a detailed description of the work cannot be given. Further mention will be made of the work.

SCHOOL TOILET—Frame. Cost not stated. Berkeley, Alameda Co., Cal. Architect, none. Owners, City of Berkeley. Bids will be opened on July 11th for the construction of a toilet building on the grounds of the Longfellow School. Plans can be secured from the Secretary of the Board of Education.

GARAGE—1 story and base, brick, \$8,000. Oakland, Cal. Architects, Newsum & Newsum, 1748 Broadway, Oakland. Owner, F. Smith. Location, Brook and Broadway. Designed for a commercial garage. Cement floor. Special gasoline tanks. Exterior faced with pressed brick. Plans complete and segregated figures being taken.

MUNICIPAL SHOP BUILDINGS — 1 story, brick and steel. Cost not stated. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Location, West Berkeley. Will contain shops and stables. No interior trim. Plumbing and electric work. Exteriors faced with corrugated iron and brick. Plans complete and figures being taken.

FACTORY—5, 1 story, mill construction, \$500,000. Oakland, Cal. Engineer, R. R. Street. Owners, Pacific Tank & Pipe Co., 3th and Bryant streets, S. F. Work has been started on the construction of five one-story mill construction

buildings, each 100 by 200 feet, which will form the first unit of the new plant to be erected on High street, Oakland, by the Pacific Tank & Pipe Co. When complete the new plant will represent an investment of \$500,000. Engineer R. R. Street is in charge of the work and can be seen on the job. All work will be done by Day Labor and subcontract. Piles are now being driven for the foundations. Exteriors will be covered with corrugated iron.

WORKSHOP — 1 story, corrugated iron, \$3,000. Oakland, Cal. Architect, none. Owner, E. A. Stewart, 8 Fairview street, Oakland. Will cover a considerable ground area. Plans complete and work to be done by Day Labor.

BLACKSMITH SHOP, ETC.—Frame, \$2,500. Oakland, Cal. Architect, none. Owners, Moore-Scott Iron Works, 678 2nd street, Oakland. Location, foot of Adeline street. Exterior corrugated iron. Plans complete and work to be done by Day Labor.

STORES—1 story, frame, \$5,000. Alameda, Alameda Co., Cal. Architect, A. W. Pattiani, Merchants' National Bank Bldg., S. F. Owner, George T. Wright, Mills Bldg., S. F. Location, northeast Webster and Santa Clara streets. Will contain one large store. Interior finish pine and redwood with some hardwood in the display windows. Patent store fronts and marble bases. Exterior faced with cement plaster. Plans complete and work to be done by Day Labor.

Contracts Awarded

HIGHWAY IMPROVEMENTS—Cost as follows. Oakland, Cal. Engineer, County Surveyor. Oakland, Owners, Alameda County. The Alameda County Supervisors awarded the contract for the improvement of East 14th St., from San Leandro to Hayward to the Ransome-Crummey Co., First National Bank Bldg., Oakland, on their bid of \$101,225. Paul Schnoor, 3505 Claremont avenue, Oakland, was awarded the contract for the improvement of Wobbesunol road on his bid of \$15,083.

SAN JOSE AND THE SANTA CLARA VALLEY

RESIDENCE—1½ story and base, frame, \$1,500. Monta Vista, Santa Clara Co., Cal. Architect, Daniel R. Gailey, 801 David Hewes Bldg., S. F. Owner.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

Miss M. Hudson. Will contain seven rooms, bath and sleeping porch. Separate garage. Interior finish pine, hardwood and white enamel. Hardwood floors. Furnace heat and open fire places. Mantels tile and brick. Bath room tile. Automatic water heater. Exterior covered with cement plaster. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$10,000. Hillsborough, San Mateo Co., Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, Dr. Cohen. Will contain twelve rooms, three baths and sleeping porch. Separate garage. Interior finish hardwood and white enamel. Hardwood floors throughout. Central heating system, hot water circulating system and open fire places. Mantels tile and brick. Bath rooms tile. Exterior covered with cement plaster. Plans complete and segregated figures being taken.

SCHOOL—1 story and base, frame, \$24,000. San Jose, Santa Clara Co., Cal. Architect, Charles S. McKenzie, San Jose Bank Bldg., San Jose. Owners, City of San Jose. Location, First Ward. Will contain twelve class rooms and an assembly hall. Interior finish pine with maple floors. Steam heat, oil burning plant and vacuum cleaning. Exterior covered with cement plaster. Clay tile roof. Plans complete and figures to be called for at once.

SCHOOL—1 story and base, frame, \$24,000. San Jose, Santa Clara Co., Cal. Architect, F. D. Wolfe, Bank of Italy Bldg., San Jose. Owners, City of San Jose. Location, 23rd and Jefferson streets. Will contain twelve class rooms and an auditorium. Interior finish pine with maple floors. Steam heat, oil burning furnace and vacuum cleaning. Exterior faced with cement plaster. Plans complete and figures to be called for shortly.

Contracts Awarded.

STREET PAVING AND SEWERS—\$73,294.90. South San Francisco, San Mateo Co., Cal. Engineer, City Engineer, South San Francisco. Owners, City of South San Francisco. Contractors, Peterson & Grier, 52 Post street, S. F. Contract price, \$31,294.90.

MARIN, CONTRA COSTA AND SONOMA COUNTIES

BRIDGE—Steel or reinforced concrete. Cost not stated. Santa Rosa, Sonoma County, Cal. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, Sonoma County. Bids will be received by the Board of Supervisors of Sonoma County at Santa Rosa on July 12th at noon for the construction of a bridge over the Russian River at Markhams. Consulting Engineers Leonard & Day have prepared two sets of plans for a reinforced concrete structure, one set calling for a three span bridge and the other five spans. These plans can be secured from the offices of the engineers. A set of plans calling for steel construction have been prepared by County Surveyor M. P. Youker, Santa Rosa, and figures are being taken for both types of construction.

STREET IMPROVEMENTS—Cost as follows. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chamman, Richmond. Owners, City of Richmond. At the last meeting of the City Council the following bids were opened for the improvement of a portion of

San Pablo avenue from the northern city limits to the Oakland branch of the Santa Fe: Paul Schnoor, 5905 Claremont, Oakland, \$33,187.17; F. R. Ritchie & Co., S. F., \$36,320.89; Johnson-Shea Co., Oakland, \$38,798.37; S. C. Rogers, Richmond, \$35,599.59; Municipal Improvement Co., Richmond, \$35,810.30; Hansome-Crummey Co., Oakland, \$37,960.35. The following bids were opened for the installation of sewers in the Richmond Center Tract: Raven Co., Richmond, \$26,135.46; Fred Meyers, Richmond, \$21,432.16; Staniger & Mollath, \$21,929.93; Chambers & Heafey, Oakland, \$25,462.71; Wm. F. Edwards, Oakland, \$22,772.65; L. L. Page, \$21,457.94. The contracts will not be awarded for a week.

SCHOOL—1 story and base, frame \$10,000. Moraga, Contra Costa Co., Cal. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, Moraga School District. Will contain two class rooms and an assembly hall. Interior finish pine. Central heating system to be installed later. Exterior covered with cement plaster. Plans complete and plans out for figures. Bids open July 13th.

MANUAL TRAINING BUILDING—1 story, frame. Cost not stated. Martinez Contra Costa Co., Cal. Architect none. Owners, Alhambra School District. Bids will be opened on July 13th at 10 a. m. for the complete construction of a new manual training school. Plans can be secured from J. E. Rodgeram, Secretary of the School Trustees, Bryon Brown Bldg., Martinez.

SCHOOL REPAIRS—Frame. Cost not stated. Point Reyes, Marin Co., Cal. Architect, Thomas O'Connor, 524 East street, San Rafael. Owners, Point Reyes School District. Work will consist of plastering, raising building, resetting blackboards and exterior and interior painting. Plans are complete and bids will be opened on July 12th at 2 p. m.

FLATS—2 story and base, frame, \$6,000. Richmond, Contra Costa Co., Cal. Architect, J. B. Oghorn, 464 13th street, Richmond. Owner, Carl Overaa, 1805 Roosevelt avenue, Richmond. Location Bissell between 7th and 8th streets. Will contain four flats and basement garage. Interiors finished in pine and white enamel. Hardwood floors. Open fire places and tile or brick mantels. Bath rooms tile. Exteriors covered with cement plaster and shiplap. Plans complete and work to be done by Day Labor.

HOTEL AND STORES—2 story and base, brick \$9,000. Pittsburg, Contra Costa Co., Cal. Architect, none. Owner, Michael Evola, Pittsburg. Location, east Third street. Will contain two stores on the first floor and a number of single rooms above. Interior finish pine and redwood. Hot water supply. Patent store fronts. Exterior faced with stock brick. Plans complete and work to be done by Day Labor.

HOSPITAL COTTAGE—2 story, reinforced concrete and frame. Cost not stated. Napa, Napa Co., Cal. Architect, State Architect, George B. McDougall, Sacramento. Owners, State of California. Bids will be opened on July 25th for the construction of a cottage for working men. Interior finish pine. Composition floors in bath rooms. Central heating system. Exterior faced with cement plaster. Plans can be secured from the State Depart-

ment of Engineering. An official proposal appears in another column of this issue.

CONVENT—2 story and base, frame, \$15,000. Rio Vista, Solano Co., Cal. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Roman Catholic Church. Will contain class rooms and chapel. Interior finish pine and redwood with some maple floors. Art glass windows. Hot air heating system. Exterior covered with shiplap. Plans being prepared.

Contracts Awarded

SCHOOL REPAIRS—Frame, \$3,220. Crockett, Contra Costa Co., Cal. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, Crockett School District. Contractors, Keller & Crane, Oakland. Contract price, \$3,220.

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

STREET IMPROVEMENTS—Cost as follows. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. The following contracts have been awarded by the City Council: To F. W. Nighbert, 817 I street, Bakersfield, for the improvement of portions of C street and Dracena street, to be graded, tamped and rolled, on his bid of 1.5c per square foot for grading and tamping and 65c per linear foot for laying 5% inch iron culverts. Also the improvement of Beale avenue, to be graded, tamped and rolled, that parking spaces, cement concrete curbs and wrought iron pipe culverts be constructed. The bid was 1.7c per square foot for grading, rolling and tamping, 35c per linear foot for laying 14-inch concrete curb, and 65c per linear foot for laying 5% inch wrought iron pipe for culverts.

SCHOOL—1 story and base, frame, \$4,000. Gray's School District, Fresno Co., Cal. Architects, Glass & Butler, Rowell Bldg., Fresno. Owners, Gray's School District. Designed for a district school and will contain one class room. Interior trim pine. Stove for heating. Exterior covered with rustic or shingles. Plans being prepared.

LABOR TEMPLE—3 story and base, brick. Cost not stated. Bakersfield, Kern Co., Cal. Architect's name not given. Owners, Labor Temple Association. Separate figures will be taken for the materials and for the labor. Will contain lodge rooms, offices and a large meeting room. Interior will be finished in pine and redwood. Maple floors. Steam heat and oil burning plant. Exterior faced with pressed brick. Plans complete and figures being taken.

COUNTRY CLUB—1 story, frame, \$10,000. Visalia, Tulare Co., Cal. Architect, Mathew E. Mathewson, Forsythe Bldg., Fresno. Owners, Tulare Country Club. Will contain large social rooms, banquet rooms, completely equipped kitchen and some bed rooms. Interior finish pine and hardwood. Hardwood floors. Open fire places and brick and stone mantels. Exterior covered with rustic. Plans being prepared.

STORE ALTERATIONS—\$5,000. Fresno, Fresno Co., Cal. Architect, none. Owner, W. J. O'Neill, 904 I street, Fresno. Location, I and Kern streets. Work will consist of new interior finish, store fixtures and patent store fronts. Marble bases. Plans complete and work to be done by Day Labor.

STORES AND OFFICES—2 story and base, brick. Cost not stated. Guadalupe, Santa Barbara Co., Cal. Architect, P. Righetti, Phelan Bldg., S. F. Owner's name withheld. Will contain stores on the first floor and a number of modern offices above. Interior finish pine and redwood. Some hardwood in display windows. Patent store fronts and marble bases. Exterior faced with pressed brick. Plans to be ready for figures in about a month.

Contracts Awarded.

STREET PAVING—Cost as follows. Visalia, Tulare Co. Cal. Engineer, City Engineer, Visalia. Owners, City of Visalia. Contractors Worswick Construction Co., Union Trust Bldg., Fresno. Contract price 11½¢ per square foot.

SCHOOL — 1 story, frame, \$4,500. Rosedale School District, Tulare Co. Cal. Architect, F. W. Griffin, Porterville. Owners, Rosedale School District. Contractors, Marlow & Son, Lindsay. Contract price, \$4,500.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. To the McGillivray Construction Co., 1007 7th street, Sacramento, the improvement of the alley between P and Q streets, from the east line of 4th street to the west line of 5th street, by removing and disposing of all refuse material, constructing one concrete catchbasin, complete, with cast iron curb and cover, placing 8 linear feet of 8-inch, vitrified, ironstone sewer pipe, grading the roadway and constructing thereon an asphalt pavement, consisting of an asphalt macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Also the improvement of the alley between Front and 2nd streets, from the north line of Q to the south line of L, by removing and disposing of all refuse material, constructing 5 concrete catchbasins, complete, with cast iron curbs and covers, reconstruct 5 concrete manholes, 35 linear feet of 8-inch, vitrified, ironstone sewer pipe drain, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 5 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick, except for a distance of 80 feet south of the south line of L street, where granite block pavement shall be constructed. Also the improvement of 16th street, from the south line of P to the north line of Q street, by removing all refuse material, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement concrete wearing surface 1½ inches thick. Also the improvement of the alley between K and L streets, from the east line of 14th to the west line of 15th street, by removing and disposing of all refuse material, constructing one concrete catchbasin, complete, with cast iron curb and cover, placing 6 linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catchbasin to sewer, grading the alley and constructing thereon an asphaltic

pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphaltic wearing surface 1½ inches thick.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The following contracts for street improvements have been awarded by the City Commission: To Clark & Henery Construction Co., Ochsner Bldg., Sacramento, Cal. That the intersection of 31st and M streets be improved by removing and disposing of one 51 by 10 foot brick arch culvert and all other surplus and refuse material; construct concrete gutter, grading the space between the property line and curb, concrete sidewalks, reconstruct one concrete manhole, grade the roadway and construct thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic concrete wearing surface 1½ inches thick. Also the improvement of Channing Way from the south line of Schley avenue to the north line of lot M of Wright & Kimbrough Tract No. 20, by removing and disposing of 480 square feet of concrete sidewalk, 1,928 linear feet of wooden curb and all other surplus and refuse material; constructing concrete curb, concrete gutter, 6 and 8-inch, vitrified, ironstone sewer pipe drains, placing cast iron drains with 6-inch, vitrified, ironstone sewer pipe elbows attached, concrete manholes, complete, with cast iron curbs and covers, grading the space between the property line and curbs, concrete sidewalks, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Also the improvement of Sylvan Way, from the south line of Schley avenue to the north line of lot M, Wright & Kimbrough Tract No. 20, by removing and disposing of all refuse material, constructing concrete curb, concrete gutter, 6 and 8-inch, vitrified, ironstone sewer pipe, drains, 6-inch, vitrified ironstone sewer pipe elbows attached, concrete manholes, complete, with cast iron curbs and covers; grading; concrete sidewalks; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick and an asphaltic concrete wearing surface 1½ inches thick.

To W. J. Tobin, 735 Filbert street, Oakland, the improvement of alley between V and W streets from 31st to 34th streets; the alley between W and Olive streets from 31st to 34th streets, and the alley between Olive and Y street, by excavating a trench in each of said alleys and constructing thereon an 8 and 10-inch, vitrified, ironstone pipe sewer and 6-inch, vitrified, ironstone Y branches and 9 concrete manholes, complete, with cast iron curbs and covers and backfilling all trenches. Also the improvement of Sacramento avenue from a point obtained by the intersection of a line parallel to and 705 feet east measured at right angles from the center line of 36th street with a line parallel to and 12 feet north measured at right angles to the center line of Sacramento avenue to Leland Stanford avenue and Leland Stanford avenue from Sacramento ave-

nue to the intersection of Leland Stanford avenue and Manzanilla avenue, by excavating a trench and constructing therein 10, 12 and 14-inch, vitrified, ironstone pipe sewer and 5 concrete manholes, complete, with cast iron curbs and covers.

To A. Teichert & Son, Ochsner Bldg., Sacramento, the improvement of Bonita avenue from the east line of Freeport road to the west line of 24th street, by removing and disposing of all refuse material, constructing concrete curb, 6 and 8-inch, vitrified, ironstone sewer pipe drains, concrete manholes, complete, with cast iron curbs and covers, placing cast iron gutters and drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; grading between property lines and curb, concrete sidewalks, grading the roadway and constructing an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick and asphaltic cement flush coat 1½ inches thick.

SEWER CONSTRUCTION — \$7,745. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. The plans and specifications of the City Engineer for the construction of lateral sewers on portions of Magnolia, Acacia, Poplar, Flora, Park, Oak, San Jose, Fremont, Stockton, Yosemite, Argonaut, Orange and West streets. There will also be 224 house branches made to lots on order that the streets will not have to be torn up again. The City Engineer's estimate for the work amounts to \$7,745. Bids for this work have been ordered received. Plans may be had from the City Clerk.

BRIDGE AND FILLING—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Plans and specifications by the County Surveyor for filling and bridging the Taylor's Ferry road were adopted and the Clerk of the Supervisors has been instructed to receive bids for the work until July 17th at 10 a. m. Plans may be had from the County Clerk.

HIGHWAY AND BRIDGES — Cost as follows. Sacramento, Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contracts for five units of 16.6 miles of State highway, totaling \$142,619.80, have been awarded by the State Highway Commission. The following is a list of the awards: To J. A. Marshall, 2967 Avalon avenue, Berkeley, the construction of 4.2 miles of highway from Beresford to Redwood City in San Mateo County on his bid of \$37,290.50, which was nearly \$18,000 lower than the engineer's estimate.

To the Modern Construction Co. of Los Angeles 5.6 miles from Springfield to the Santa Clara River in Ventura County, on their bid of \$21,945.20. The engineer's estimate on this work was \$13,058.42.

To Blanchard-Brown Co., 660 Market street, San Francisco, 2½ miles in Contra Costa County, running from the southerly border of the city of Richmond, on their bid of \$32,287, the engineer's estimate being \$46,445.05.

To Elsmore & Jacobs, 422 H street, Eureka, 4.3 miles from Loleta to Beatrice in Humboldt County, on their bid of \$23,050, the engineer's estimate being \$30,446.25.

To Howard S. Williams, Hearst Bldg., San Francisco, the construction of two reinforced concrete bridges on

the State highway between Baird and Antler, on his bid of \$18,041.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer. Sacramento. Owners, City of Sacramento. The following street improvements have been awarded: The improvement of 12th street, from K street to W street, by reconstructing three concrete manholes, four catchbasins, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to The McGilivray Construction Co., 1007 7th street, Sacramento, Cal.

The improvement of Y street, from 30th to 21st street, by constructing concrete curb, concrete gutter, placing two cast iron gutter drains with 6-inch vitrified, ironstone sewer pipe elbows attached, 6-inch, vitrified, ironstone sewer pipe drains, grading the space between the property line and curb, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to The Clark & Henry Construction Co., Ochsner Bldg., Sacramento.

The improvement of Sacramento avenue, from Y to Magnolia avenue, by constructing concrete curb, concrete gutter, placing six cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached, two concrete manholes, 6 and 8-inch, vitrified, ironstone sewer pipe drains, grading the space between the property lines and curb, concrete sidewalk, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete pavement 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to The Clark & Henry Construction Co., Ochsner Bldg., Sacramento, Cal.

MANUAL TRAINING BUILDING—2 story and base, reinforced concrete. Cost not stated. Orland, Glenn Co., Cal. Architect, Prof. H. L. Husse, Orland. Owners, City of Orland. Will cover an area of 42 by 90 feet. Main floor will contain iron and wood working rooms, recitation room and office. Upper floor arranged for gymnasium. Interior finish pine with maple floor in gymnasium. Exterior faced with cement plaster. Plans complete.

SCHOOL—1 story and base, frame and plaster. Cost not stated. Lakeport, Lake Co., Cal. Architects, Morrow & Garren, Chronicle Bldg., S. F. Owners, Town of Lakeport. Will contain seven class rooms and assembly hall. Interior finish pine with maple floors. Central heating system, probably hot air. Exterior covered with cement plaster. Plans complete and figures to be called for in about two weeks.

SCHOOL—1 story and base, hollow tile, \$27,000. Placerville, El Dorado Co., Cal. Architects, N. W. Sexton & Co., Merchants' National Bank Bldg., S. F. Owners, Town of Placerville. Designed for a high school and will contain nine class rooms, auditorium and library. Interior finish pine with maple and tile floors. Central heat-

ing system, probably hot air. Exterior faced with cement plaster.

Plans are also being prepared for a one-story hollow tile grammar school which will contain one class room. Plans will be completed for both buildings within a week or ten days when figures will be called.

SCHOOL ADDITION—Frame construction. Cost not stated. East Auburn, Placer Co., Cal. Architect's name not given. Owners, Town of East Auburn. Bids will be opened by the Board of School Trustees on July 10th for the addition of two class rooms to the present building. Plans can be secured from the Secretary of the Board at East Auburn.

LIBRARY—1 story and base, frame. Cost not stated. Lakeport, Lake Co., Cal. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, Town of Lakeport. Will contain two reading rooms, work room and office. Interior finish pine and redwood. Maple floor. Warm air heating system. Exterior covered with cement plaster. Plans complete and figures being taken. Bids close July 10th. Plans at office of the architects.

HOSPITAL COTTAGES—2, 1 story, frame, \$6,000. Stockton, San Joaquin Co., Cal. Architect, State Architect George B. McDougall. Sacramento. Owners, State of California. All bids received for the construction of the two physicians' cottages have been rejected and the work will be done by Day Labor. R. S. K. MacMillen, 154A Duncan street, S. F., presented the lowest bid at \$6,636.

STORES AND OFFICES—2 story and base, reinforced concrete. Cost not stated. Grass Valley Nevada Co., Cal. Architect's name not given. Own Theodore Kohler, Grass Valley. Will contain stores on the first floor and a number of offices and living apartments on the upper floors. Interior finish pine. Steam heat. Patent store fronts and marble bases. Hot water supply. Exterior faced with cement plaster. Plans being prepared.

Contracts Awarded

BANK AND OFFICES—6 story and base, Class A construction, \$175,000. Stockton, San Joaquin Co., Cal. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Farmers' and Merchants' National Bank. Contractor, P. J. Walker, Monadnock Bldg., S. F. A subcontract for the concrete piles and foundation work has been awarded to Andrew Lynch, 185 Stevenson street, S. F.

BRIDGE—Steel and reinforced concrete, \$75,000. Woodland, Yolo Co., Cal. Engineer, County Surveyors, Yolo and Solano Counties. Owners, Solano and Yolo Counties. Contractors, Clinton Construction Co., S. F. Contract price, \$35,000.

List Of Lowest Bids For Highway Work.

Exceptional Number of Figures Received Prevents Publication of Complete List of Figures.

(By Special Wire.)

SACRAMENTO Cal., June 25th, 1916—Bids were opened in the offices of the State Highway Commission today for highway construction including bridges in the following counties: San Mateo,

4.2 miles; Ventura, 5.6 miles; Humboldt, 4.3 miles; Shasta, two reinforced concrete bridges. The work attracted an unusually large number of bidders and at a late hour Monday afternoon a complete list of the bids was not available. Following is the name of the lowest bidder for work in each county:

San Mateo County, J. A. Marshall, \$37,290.50.

Ventura County, Modern Constr. Co., Los Angeles, \$31,948.30.

Contra Costa County, Blanchard-Brown, \$32,257.

Humboldt County, Elsemore & Jacob, \$23,080.

Shasta County, Howard S. Williams, Hearst Bldg., S. F., \$18,044.

LOS ANGELES & SOUTHERN CALIFORNIA.

POWER PLANT—\$350,000. Fontana, San Bernardino Co., Cal. Engineer's name not given. Owners, the Fontana Co. A. B. Miller, president of the Fontana Co., announces that a power plant to utilize the waters of Lytle Creek in supplying electricity to the city of Fontana, will be under construction within thirty days after approval is obtained of the State Railroad Commission, which is at present inspecting the project. The project will include the construction of an underground reservoir and 4½ miles of steel pipe line. The power house will be located 1½ miles north of Highland avenue near Riverside avenue. The maximum capacity is to be 185 kilowatts.

LAUNDRY—3 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architects Train & Williams, Exchange Bldg., L. A. Owners, Diamond Laundry Co. Location, northwest corner of 8th and Diamond Sts., covering an area of 200 by 100 feet. Reinforced concrete floors and walls. Two elevators. Steam heat and special machinery. Metal window sash and frames. Exterior faced with cement plaster. Plans complete and figures being taken.

HOTEL AND STORES—3 story and base. Class C construction. Cost not stated. Los Angeles, Cal. Architect, A. B. Rosenthal, Lankershim Bldg., L. A. Owner, Col. J. B. Lankershim. Location, Seventh street east of Central avenue, covering an area of 80 by 100 feet. Will contain four stores on the first floor and a total of 72 rooms on the upper floors. Interior finish pine with some hardwood. Steam heat, hot water supply, elevator service and oil burning plant. Bath rooms tile. Patent store fronts and marble bases. Exterior faced with pressed brick. Plans complete and segregated figures being taken.

STORES AND LOFTS—3 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, Richard D. King, Van Nuys Bldg., L. A. Owners, W. A. and M. T. Glascock. Location, Traction avenue near Alameda, covering an area of 72 by 120 feet. First floor will contain several stores and the upper floors modern lofts. Interior finish pine. Steam heat, elevator service and vacuum cleaning. Patent store fronts and marble bases. Exterior faced with pressed brick. Plans complete and figures being taken.

Contracts Awarded.

STORES AND OFFICES—2 story and base, brick, \$20,000. Guadalupe, Santa

Barbara Co., Cal. Architect, P. Righetti, Phelan Bldg., S. F. Owner, P. Grisingher, Guadalupe. Contractor, W. J. Smith, San Luis Obispo. Contract price, \$20,000.

PORTLAND AND OREGON.

WATER SYSTEM—Cost not stated. Canby, Ore. Engineer, S. A. Cobb, Oregon City. Owners, Canby City. From plans prepared by Consulting Engineer S. A. Cobb, Oregon City, bids will be received up to July 17th by the city of Canby, Ore., for furnishing materials and performing all labor in constructing a water works system. Bids will be received for furnishing materials also for materials and labor. The work contemplated includes constructing a distributing system of four miles of pipe, a 75,000-gallon tank on a tower, pumping machinery and building wells. Plans for the work may be had from Engineer S. A. Cobb at Oregon City.

APARTMENT HOUSE—3 story and base, brick. Cost not stated. Portland, Ore. Architect, Emil Schaacht, Commonwealth Bldg., Portland. Owner, Frank Magnusson. Contractor, Frank Quehan, 511 Jefferson street, Portland. Contract price not stated.

SCHOOL—1 story and base, reinforced concrete. Cost as follows. Wasco, Oregon. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, City of Wasco. Contractors, general contract, A. E. Sykes & Co., \$19,560; heating, Wm. Bunce, \$2,948; plumbing, Appling & Griggs, \$1,117.

LODGE HALL AND STORES—3 story and base, reinforced concrete, \$75,000. Portland, Ore. Architect's name not given. Owners, Loyal Order of Moose. Location, northwest 4th and Taylor streets. Will contain several stores on the first floor, Turkish baths in the basement. Upper floors arranged for lodge rooms. A large gymnasium is also provided for in the basement. Interior finish pine and oak. Hardwood floors. Steam heat, oil burning system, hot water supply and automatic elevator. Patent store fronts and marble bases. Exterior faced with pressed brick and terra cotta. Plans are complete and figures to be called for at once.

SEATTLE AND WASHINGTON

APARTMENT HOUSE—3 story and base, brick, \$10,000. Seattle, Wash. Architect, J. A. Creutzer, New York Bldg., Seattle. Owner, Thomas Jarritt. Location, 14th avenue and Thomas street. Will contain 32 suites of two and three rooms. Interior finish pine, hardwood and white enamel. Hardwood floors. Steam heat, oil burning furnace and hot water supply. Bath rooms tile. Vacuum cleaning. Marble and tile wainscot. Exterior faced with pressed brick. Plans being prepared.

POST OFFICE—2 story and base, brick, stone and steel. Cost not stated. Wenatchee, Wash. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bird & Hobson of Okanogan, Wash., who were awarded the contract for constructing the U. S. post office at Wenatchee, Wash., have withdrawn from their agreement. Government

precedent in such cases set the practice of letting the work to the next lowest bidder, in this case, Harding F. Allen, care of MacRae Bros., Empire Bldg., Seattle, Wash., who bid \$81,000 on limestone and \$88,000 on sandstone. Bird & Hobson were below the next lowest bidder by \$2,000 on limestone and \$10,000 on sandstone.

FIRE HOUSE—2 story and base, reinforced concrete, \$10,000. Seattle, Wash. Architect, City Architect Daniel Huntington, Seattle. Owners, City of Seattle. Location, Railroad avenue near Madison, covering an area of 40 by 40 feet. Fireproof construction. Cement floor. Special electric work and plumbing. Steam heat. Exterior faced with pressed brick. Plans being prepared.

Contracts Awarded

PAVING—\$37,843. Seattle, Wash. Engineer, County Surveyor, Tacoma. Owners, Pierce County. Contractors, Washington Paving Co., Smith Bldg., Seattle. Contract price, \$37,843.

HIGHWAY CONSTRUCTION—\$29,495. Seattle, Wash. Engineer, County Surveyor, Seattle. Owners, King County. Contractor, Charles G. Huber, Central Bldg., Seattle. Contract price, \$29,495.

DORMITORY—3 story and base, brick, \$22,000. Puyallup, Wash. Architect, Andrew Willatzen, Boston Bldg., Seattle, Wash. Owners, Masonic Home Association. Contractor, Joe Hansen, 3216 North 16th street, Tacoma, Wash. Contract price \$22,000.

THE NECESSITY FOR A SETTLED TARIFF POLICY.

WASHINGTON, D. C., June 29, 1916.—

The necessity for a settled American tariff policy was emphasized Wednesday in an address before the National Gas Engine Association at Chicago by Dr. Frank R. Rutter, assistant chief of the Bureau of Foreign and Domestic Commerce, Department of Commerce. If the country is to hold its own in the bitter competition for trade that will follow the war, the Government must be given the opportunity to make favorable commercial treaties with foreign countries. "It should be borne in mind," said Dr. Rutter, "that concessions can not be obtained in the tariffs of other countries if we are not willing to make concessions ourselves."

"A fixed commercial policy is particularly necessary at the present time," said the speaker. "With rumors of trade agreements that will give preferential rates of duty between the allies, and with rumors of a customs union to cover Germany and Austria-Hungary, we must be in a position to know definitely the effect of our industries of any proposed foreign action. Can we not, if we know the situation well enough to make proper representations, obtain rates of duty that will at least put our products on an equality with those of other countries (a privilege which we do not now enjoy in France) and possibly in a position of even greater advantage."

The proposed tariff commission was referred to as a step in the right direction, as it would serve the excellent purpose of taking the tariff out of politics. The commission is also authorized to study commercial conditions and to advise regarding commercial policies and commercial treaties, and

in this way will be of greater possible assistance in establishing a settled tariff policy.

The speaker pointed out a number of instances where the manufactures of gasoline engines in this country were at a disadvantage in certain foreign markets because certain tariff rates amounted to discrimination. In Russia, for instance, a low rate of duty on tractors is interpreted to apply only to steam tractors, and a much higher rate is applied to gasoline tractors. It would be most advantageous if an agreement could be reached whereby the low rate of duty could be applied to the gasoline tractors. In Austria there are different rates of duty for traction engines and for automobile engines, the higher rate of course being applied to the latter. The customs authorities have ruled that when a gasoline tractor is equipped with a light engine which might be used to drive an automobile the high rate of duty should be applied to it. This is a decided disadvantage to American manufacturers, for it handicaps our light tractor motors in competition with the heavy engines made in Europe.

In spite of the fact that the war has interfered with the foreign trade in gasoline engines, there has been considerable improvement of late, said Dr. Rutter, and the prospects for the future are very bright. During 1913, the last normal year before the war, the total value of internal-combustion engines exported from the United States was over \$11,000,000, of which traction engines were the most important item, being valued at \$5,000,000. Canada has been the chief purchaser of gasoline engines, in spite of the fact that England enjoys a preferential tariff. Argentina and Australia are the next customers in importance, although not nearly so important as Canada. Over half the engines imported by Argentina come from this country, but in Australia the advantage lies with Great Britain.

TRAMWAY TO BE ERRECTED.

GRASS VALLEY, Cal.—During the next few days work will start on the construction of a large tramway from the Golden Gate Mine to the Narrow Gauge Railroad tracks, a distance of 500 feet.

The Pacific Western Commercial Company, which is closely allied with the Golden Gate Mining Company, is having the work done, and it is stated that the tramway will be used to transport chrome and tungsten ore, which will be shipped in here from the Pacific Western Commercial Company's mines in lower California and Arizona to the Golden Gate mill for reduction.

The tramway will be capable of handling thirty tons daily of ore and the Golden Gate mill is of like capacity.

BROAD-GAUGE RAILWAY PLANS IN JAPAN.

One of the most important questions confronting the Japanese Government is that of changing the narrow-gauge railway system to the standard broad gauge. Efforts are now being made to secure the adoption of this proposed change which will involve the expenditure of \$7,000,000 and require an estimated period of upward of 20 years in which to effect its completion.

Building Contracts Let and Recorded

Completion Notices, Liens Filed and Releases.

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
1942	Babuder	Schmitt	450
1943	Burr	Schmitt	1500
1944	Hoeger	Schmitt	2000
1945	Greenbaum	Fisher	1000
1946	DePaoli	Glaser	1000
1947	Gilligan	Gilligan	800
1948	Wiley	Larson	400
1949	Callahan	Clinton	2000
1950	Bradley	Collman	65790
1951	Smith	Wilson	600
1952	Maldo	Schkade	400
1953	Metzger	Boxton	950
1954	Weissbaum	Collins	500
1955	Morrill	McLean	400
1956	Aden	McLean	400
1957	Callow	Callow	1900
1958	Hogrefe	Hogrefe	2500
1959	Payne	Fidelity	50000
1960	Blackwood	Gilley	550
1961	Same	MacGruct	1142
1962	Same	Rochdale	290
1963	Same	Neal	905
1964	Same	Hansbrough	9712
1965	Same	Curts	975
1966	McKillop	McKillop	400
1967	McKinley	McBarnes	400
1968	Pritos	Collins	425
1969	Rangers	Carson	500
1970	Hunt	Secor	1000
1971	Ghiotto	Palma	1900
1972	Pechoultres	Higginson	17610
1973	Bradley	Collman	66890
1974	Martin	Ferguson	2500
1975	Metzger	Boxton	1544
1976	Metzger	De Lew	1355
1977	Hip Seen	Cal Constr	700
1978	Boese	Boese	500
1979	Bienfeld	Bienfeld	350
1980	Searchlight	Laib	400
1981	Otis	Gervais	
1982	Same	Mangrum	590
1983	W'n Pacific	Hyde	590
1984	Reinle	Pasqualetti	940
1985	Svgs Union	Shiley	2200
1986	Ferguson	Miller	2250
1987	Moody	Larsen	25000
1988	Henry	Stockholm	1000
1989	Gutter	Gutter	2000
1990	Dietsch	Bowman	4500
1991	Schneider	Reid	450
1992	Kohler	Fink	950
1993	Breitman	Swanson	2000
1994	Same	Same	5000
1995	City&Co S F	McClenahan	24485
1996	Same	Spargo	24750
1997	Hamburger	Carlin	900
1998	Chr Scientist	Fraser	3585
1999	Lilienthal	Penny	1250
2000	Alligrie	Elvin	7000
2001	Allec	Stand Elec	3294

ALTERATIONS

(1942) NO. 255 HENRY. General alterations to flats.
Owner.....Chas. Babuder, Premises.
Architect...None.
Contractor..Carl Schmitt, 1614 Ward, Berkeley.

COST, \$450

FRAME FLATS

(1943) W KEYES 100 N Pacific. Two-story and basement frame (2) flats.
Owner.....John Burr, 34-A Scott Pl., San Francisco.
Architect...Oliver Everett, 1940 Webster, San Francisco.
Day's work. COST, \$1500

FRAME FLAT

(1944) NE NAPLES AND PERU. Two-story and basement frame store and flat.
Owner.....Joseph Hoeger, 89 Naples, San Francisco.
Architect...None.

Contractor..F. Schmidt, 111 Vienna, San Francisco.

COST, \$2000

BRICK GARAGE

(1945) NO. 3620 CLAY. One-story brick garage.
Owner.....E. Greenbaum, Premises.
Architect...H. Barth, 12 Geary, S. F.
Contractor..Fred and L. Fisher, 180 Jessie, San Francisco.

COST, \$1000

BAKE OVEN

(1946) NO. 513 GREEN. Install bake oven.
Owner.....G. DePaoli, 47 Pierce, S. F.
Architect...None.
Contractor..J. P. Glaser & Co., 2070 Union, San Francisco.

COST, \$1000

ALTERATIONS

(1947) NO. 1655 TWELFTH AVE. Underspin and concrete foundation.
Owner.....W. Chester Gilligan, Prem.
Architect...None.
Day's work. COST, \$800

ALTERATIONS

(1948) NO. 2083 MARKET. Mezzanine floor, etc., for store.
Owner.....J. H. Wiley, 659 14th, S. F.
Architect...None.
Contractor..Gus Larson, 21 Walter, San Francisco.

COST, \$400

CONCRETE WORK

(1949) E SECOND, bet. Brannan and Townsend. Plain and reinforced concrete for fireproof concrete tunnel 75 feet long in California Warehouse building.
Owner.....Henry C. and Mary E. Callahan.
Architect...None.
Contractor..Clinton Constr. Co. of California, 140 Townsend, S. F.
Filed June 24, '16. Dated June 20, '16.
Work completed\$1500
Usual 35 days.....500

TOTAL COST, \$2000

Bond, none. Limit, 60 days after obtaining premises. Limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

(1950) S BROADWAY 120 W Scott — 192-6 S 66-3 r a 66-4½ E 52-6 S 132-7½ E 49-9 N 132-7½ E 50-3 N 152-7½
All work for alterations and additions to residences No. 2661 Broadway and 2716 Pacific Ave and taking down residence No. 2718 Pacific Ave and building garage, garden walls, etc.
Owner.....F. W. Bradley, Crocker Bldg., San Francisco.
Architect...Charles Peter Weeks, Mutual Bank Bldg., S. F.
Contractor..Collman & Duncan, Sharon Bldg., San Francisco.
Filed June 24, '16. Dated June 23, '16.
On 1st of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$69,790
Casualty Co. Limit, Feb. 1, 1917, For-

feit, \$10. Plans and specifications filed.

REPAIRS

(1951) NO. 65 MAJESTIC. Raise and repair dwelling.
Owner.....Jas. D. Smith, 26 Montgomery, San Francisco.
Architect...None.
Contractor..Geo. Wilson, 118 Lakeview Ave., San Francisco.

COST, \$600

ALTERATIONS

(1952) NO. 147 SIXTEENTH AVE. Alter dwelling.
Owner.....M. E. K. Maldo, Premises.
Architect...None.
Contractor..E. A. Schkade, 240 20th Ave., San Francisco.

COST, \$400

ADDITION

(1953) NO. 2209 VAN NESS. Add to dwelling.
Owner.....Mrs. Louis Metzger, Prem.
Architect...Sylvain Schnaittacher, 233 Post, San Francisco.
Contractor..Geo. Boxton & Son, Hearst Bldg., San Francisco.

COST, \$950

FRAME SHOP

(1954) NO. 127 ELEVENTH. One-story frame shop.
Owner.....G. Weissbaum & Co., 131 11th, San Francisco.
Architect...None.
Contractor..W. E. Collins, 1985 Oak, San Francisco.

COST, \$500

ALTERATIONS

(1955) E LEAVENWORTH 112-6 N Post Underpin apartments.
Owner.....O. C. Morrill, 42 Jordan Ave., San Francisco.
Architect...None.
Contractor..R. A. McLean, 761 17th Ave., San Francisco.

COST, \$400

ALTERATIONS

(1956) NO. 724 LEAVENWORTH. Underspin apartments.
Owner.....H. J. Arden, Care W. D. Brown, 525 California, San Francisco.
Architect...None.
Contractor..R. A. McLean, 761 17th Ave., San Francisco.

COST, \$400

ALTERATIONS

(1957) NO. 84 CASSELLI. General alterations and repairs for flats.
Owner.....C. H. Callow, Premises.
Architect...None.
Day's work. COST, \$1900

BRICK STORES, ETC.

(1958) NE GEARY AND LARKIN. Four-story and basement brick stores and (21) apartments.
Owner.....Herman Hogrefe, 110 Upper Terrace, San Francisco.
Architect...Edw. E. Young, 251 Kearny, San Francisco.
Day's work. COST, \$25,000

BRICK APARTMENTS

(1959) S BUSH 166 E Jones E 54-63½ x S 137-6. All work for six-story and basement Class "C" brick apartments
Owner.....Clyde S. Payne, 46 Kearny, San Francisco.

Architect...W. G. Hind, 46 Kearny, San Francisco.

Contractor..Fidelity Constr. Co.

Filed June 26, '16. Dated June 3, '16.
3rd story brick work up.....\$ 6250
Roof on 6250
Ready for lathing..... 6250
Brown coated 6250
Carpenter finish on 6250
Completed and accepted..... 12500
TOTAL COST, \$50,000

Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM

(1960) N JACKSON 192-6 E Cherry E 40 N 126-5½ W 40 S 122 m or l. Hot water heating system for two-story basement and attic frame residence.

Owner.....Harry T. Blackwood, San Mateo, Cal.

Architect...Smith O'Brien, Humboldt Bank Bldg., S. F.

Contractor..Gilles-Schmidt Co., 198 Otis, San Francisco.

Filed June 26, '16. Dated June 5, '16.
Piping roughed in and boiler tested\$290
Completed and accepted..... 290
TOTAL COST, \$580

Bond, none. Limit, as fast as required. Forfeit, \$10. Plans and specifications filed.

(1961) METAL LATH, EXTERIOR cement, cast cement ornament, wood lathing, plastering, etc., on above.

Contractor..MacGruer & Co., 258 Connecticut, S. F.

Filed June 26, '16. Dated June 5, '16.
Brown coated\$420
Completed and accepted..... 436
Usual 35 days..... 286
TOTAL COST, \$1142

Bond, \$571. Surety, Maryland Casualty Co. Limit, as fast as construction will permit. Forfeit, \$10. Plans and specifications filed.

(1962) ELECTRIC WIRING, ETC., ON ABOVE.

Contractor..Rochdale Electric Co.

Filed June 26, '16. Dated June 5, '16.
Wiring done\$125
Completed and accepted..... 165
TOTAL COST, \$290

Bond, none. Limit, fast as will permit. Forfeit, \$10. Plans and specifications filed.

(1963) PAINTING, ETC., ON ABOVE.

Contractor..L. J. Neal, 461 Hayes, S. F.

Filed June 26, '16. Dated June 5, '16.
½ work completed.....\$240
Completed and accepted..... 340
Usual 35 days..... 225
TOTAL COST, \$905

Bond, none. Limit, as fast as required. Forfeit, \$10. Plans and specifications filed.

(1964) GRADING, EXCAVATING, CONCRETE, brick, carpenter, roofing, sheet metal and stair work, iron work, glass, marble, etc., on above.

Contractor..Hansbrough-Johnston Co., Monadnock Bldg., S. F.

Filed June 26, '16. Dated June 5, '16.
Concrete foundations in place

and 1st floor joists in place....\$1821
Frame up & braced, roof sheathing on\$1821
Brown coated 1521
Completed and accepted..... 2121
Usual 35 days..... 1428

TOTAL COST, \$3712
Bond, \$4856. Sureties, J. H. McCollum and E. O. Binner. Limit, Oct. 9, 1916. Forfeit, \$10. Plans and specifications filed.

(1965) SEWERING, PLUMBING AND gas fitting on above.

Contractor..Edw. C. Curtis, 403 8th, San Francisco.

Filed June 26, '16. Dated June 5, '16.
Sewering in and plumbing roughed in\$360
Completed and accepted..... 371
Usual 35 days..... 244
TOTAL COST, \$975

Bond, none. Limit, as fast as required. Forfeit, \$10. Plans and specifications filed.

ALTERATIONS

(1966) N MISSION 25 W Mint. Underpin wall of five-story brick hotel.

Owner.....McKillop Bros., 540 Cole, San Francisco.

Architect...None.
Day's work..... COST, \$400

ALTERATIONS

(1967) NO. 1750 FELL. Alter garage in basement.

Owner.....Wm. F. McKinley, Prem. Architect...None.

Contractor..A. McBurnes, 1563 Haight, San Francisco.

COST, \$400

FOUNDATION

(1968) NO. 2408 FOLSOM. Brick foundation, etc.

Owner.....M. Pritos, 581 Waller, S. F. Architect...None.

Contractor..J. Collins, 581 Waller, San Francisco.

COST, \$425

FRAME GARAGE

(1969) NW LYON AND JACKSON. One-story frame garage.

Owner.....D. Dangers, 733 10th Ave., San Francisco.

Architect...None.

Contractor..C. Carson & Son, 219 32nd Ave., San Francisco.

COST, \$500

REPAIRS

(1970) NO. 1617 MISSION. Repair fire damage.

Owner.....John Hunt, City Hall. Architect...None.

Contractor..L. A. Secor, 80 Cassell Ave, San Francisco.

COST, \$1000

FRAME DWELLING, ETC.

(1971) W SAN JOSE AVE 23 W Have-lock. One-story frame store and dwelling.

Owner.....Ghiotto Bros. & Palma, Cr. Crescent Mill & Lumber Co. San Francisco.

Architect...None.

Day's work..... COST, \$1900

FRAME APARTMENTS

(1972) NE POWELL AND PACIFIC E 67-68N 42. All work for three-story and basement frame apartments.

Owner.....A. Pechoultries, A. Delagnes and I. Madrieres, 692 Commercial, San Francisco.

Architect...Fabre & Bearwald, Merchants Nat'l Bank Bldg., San Francisco.

Contractor..Higginson Co., Inc., Humboldt Bank Bldg., S. F.

Filed June 27, '16. Dated June 8, '16.
Frame up & sheathing on roof..\$4402
Brown coated 4402
Completed and accepted..... 4403
Usual 35 days..... 4403

TOTAL COST, \$17,610
Bond, \$8805. Sureties, J. H. McCallum and E. O. Benner. Limit, 90 days. Forfeit, \$20. Plans and specifications filed.

ALTERATIONS

(1973) S BROADWAY 120 W Scott — 192-6 S 66-3 E 40 S 66-4½ E 52-6 S 137-7½ E 49-9 N 132-7½ E 50-3 N 132-7½. Alterations and additions to residences No. 2661 Broadway and No. 2716 Pacific Ave and taking down residence No. 2718 Pacific Ave. and building of garage, garden walls, walks driveway, yards, etc.

Owner.....F. W. Bradley, Crocker Bldg., San Francisco.

Architect...Chas. P. Weeks, Mutual Bank Bldg., S. F.

Contractor..Collman & Duncan, Sharon Bldg., San Francisco.

Filed June 27, '16. Dated June 23, '16.
Monthly payments of..... 75%
Usual 25 days, 25% also \$3500 due contractor.....

CONTRACTOR to receive actual cost not to exceed \$66,600 plus \$3500.

Bond, \$24,895. Surety, New Amsterdam Casualty Co. Limit, Feb. 1, 1917. Forfeit, \$10. Plans and specifications filed.

ALTERATIONS

(1974) NO. 1361 CALIFORNIA. Alter dwelling into 2 flats.

Owner.....Mrs. Emily Martin, 1520 California, San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Contractor..John Ferguson, 1739 Union San Francisco.

COST, \$2500

ALTERATIONS

(1975) W VAN NESS AVE 90-5 N Broadway N 47xW 135-3. General work except plumbing and painting for alterations and additions to residence.

Owner.....Louis Metzger, 58 Second, San Francisco.

Architect...Sylvain Schnaittacher, 233 Post, San Francisco.

Contractor..George W. Boston & Son, Hearst Bldg., S. F.

Filed June 27, '16. Dated June 24, '16.
Frame up\$286
Brown coated 386
Completed and accepted..... 386
Usual 35 days..... 386

TOTAL COST, \$1544
Bond, \$772. Surety, New Amsterdam Casualty Co. Limit, as fast as conditions permit. Forfeit, \$10. Plans and specifications filed.

ELECTRIC WIRING

(1976) SW CALIFORNIA AND DRUMM W 46-11½ S 94-4 NE 57-2½ — 60 m or l to beg. Electric wiring for four-story and roof addition to Fife Bldg.

Owner.....Louis Metzger, 58 Second, San Francisco.

Architect...Sylvain Schnaittacher, 233 Post, San Francisco.

Contractor...M. A. De Lew, 159 Stevenson, San Francisco.
Filed June 27, '16. Dated June 21, '16.
Monthly payments of 75% not to exceed\$1016.25
Usual 35 days, 25%..... 338.75
TOTAL COST, \$1355.00
Bond, \$677.50. Surety, New Amsterdam Casualty Co. Limit, without delay. Forfeit, \$10. Plans and specifications filed.

BALCONY, ETC.

(1917) NO. 41 BRENHAM PL. Erect balcony, etc.
Owner.....Hip Seen Society, 832 Grant Ave., San Francisco.
Architect...None.
Contractor...California Constr. Co., 646 New Call Bldg., S. F.
COST, \$700

ALTERATIONS

(1918) N SEVENTEENTH 120 W Howard. Alter and add to machine shop.
Owner.....H. Boese, 3300 Mission, San Francisco.
Architect...None.
Day's work.....COST, \$500

GARAGE

(1919) NE ANZA AND TWENTY-SIXTH AVE. One-story concrete garage
Owner.....H. L. Bienfeld, 423 31st Ave., San Francisco.
Architect...None.
Day's work.....COST, \$350

SIGN

(1920) NO. 251 EIGHTH. Erect galvanized iron sign.
Owner.....Searchlight Overall Factory, Premises.
Architect...None.
Contractor...Jos. Laib, Golden Gate and Gough, San Francisco.
COST, \$400

TERRAZZO BASE

(1921) SE MARKET 75 SW Eighth SW 200 SE 275 NE 155 NW 105 NE 45 NW 170. All work for terrazzo base required for corridors and hallways for Hotel Whitcomb (seven-story and basement Class "B" building).
Owner.....James Otis, Trustee, 310 California, San Francisco.
Architect...Wright & Rushforth, 351 Pine, San Francisco.
Contractor...Henry Gervais, 1727 Mission, San Francisco.
Filed June 29, '16. Dated June 27, '16.
On 1st of each month..... 75%
Completed and accepted..... 25%
TOTAL COST, 45c per lineal ft. for terrazzo base and 25c each for plinths.
Bond, \$349. Surety, United States Fidelity & Guaranty Co. Limit, 30 days. Forfeit, \$5. Plans and specifications filed.

(1922) FLOOR AND WALL TILING ON above.

Contractor...Mangrum & Otter, 561 Mission, San Francisco.
Filed June 29, '16. Dated June 28, '16.
On 1st of each month..... 75%
Completed and accepted..... 25%
TOTAL COST, \$3 for plain platforms; \$6 for projecting; 45c sq. ft. for wall tiling; 42c sq. ft. for ornamental fields 20c per lineal ft. for tile cap; 30c sq. ft. for white floor tiles for borders; 35c for ceramic hexagon tiling.
Bond, none. Limit, 70 days. Forfeit, \$5. Plans and specifications filed.

DRIVING PILES, ETC.

(1923) E EAST approximately opp. the junction of S line of Beale and E end of Brannan. All work for pulling, cutting and driving piles at SE corner Pier No. 34.
Owner.....Frank G. Drum and Warren Olney Jr., receivers of Western Pacific Railway, Mills Bldg., S. F.
Architect...None.
Contractor...Hyde Harjes Co., 116 Market, San Francisco.

Filed June 29, '16. Dated June 28, '16.
Final acceptance 75%
36 days after..... 25%
TOTAL COST, \$590
Bond, \$325. Surety, Massachusetts Bonding & Insurance Co. Limit, 5 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1924) NO. 404 GROVE. Alterations and additions to building.
Owner.....George G. Reinle, 1322 Broadway, Oakland.
Architect...None.
Contractor...Joseph Pasqualetti, 755 Market, San Francisco.

Filed June 3, '16. Dated June 29, '16.
Completed\$725
30 days after..... 215
TOTAL COST, \$940
Bond, \$500. Sureties, Massachusetts Bonding & Insurance Co. Limit, July 31, 1916. Forfeit, none. Specifications only filed.

OFFICE BUILDING

(1925) S MARKET AND SECOND SW 45xSE 31-6. Grading, excavating, bulkheading, pumping, repairing of streets, temporary side walks, etc., backfilling, etc., for twelve-story office building.

Owner.....Savings Union Bank & Trust Co., Grant Ave and O'Farrell, S. F.

Architect...None.
Contractor...Sibley Grading & Teaming Co., 248 Dolores, S. F.
Filed June 29, '16. Dated June 29, '16.
Semi-monthly payments on 1st and 15th of each month of 75%
Usual 35 days..... 25%
TOTAL COST, \$2200

Bond, \$1100. Surety, Massachusetts Bonding & Insurance Co. Limit, 30 days after notification. Forfeit, \$25. Plans and specifications filed.

NOTE:—Wood & Simpson, 110 Sutter street, are the Architects on the above.

ADDITION

(1926) SE ALBION AND FIFTEENTH. Add one-story brick to factory building now under construction.

Owner.....Phineas F. Ferguson, 2027 Vallejo, San Francisco.
Architect...T. Patterson Ross, 310 California, San Francisco.
Contractor...Fred Miller, 225 Dolores, San Francisco.
COST, \$2250

BRICK WAREHOUSE

(1927) S BLUXOME 359 E Sixth. Two-story and basement brick warehouse.
Owner.....Moody Estate Co., 62 Post, San Francisco.
Architect...None.
Contractor...H. H. Larsen & Bro., 62 Post, San Francisco.
COST, \$25,000

FRAME GARAGE

(1928) E HYDE 100 N Lombard. Two story frame garage.
Owner.....C. A. Henry, Lombard and Hyde, San Francisco.
Architect...B. G. McDougall, Sheldon Bldg., San Francisco.
Contractor...Stockholm & Allyn, Monadnock Bldg., S. F.
COST, \$1000

FRAME WAREHOUSE

(1929) N FOLSOM 225 W Elgath. Two story frame warehouse.
Owner.....L. Gutter, 632 Anza, S. F.
Designer...W. W. Breite, 402 Clunie Bldg., San Francisco.
Day's work.....COST, \$2600

FRAME FLATS

(1930) E PRESIDIO AVE 110-9% S Bush. Three-story and basement frame (3) flats.
Owner.....F. V. Dietsche, 728 Presidio Ave., San Francisco.
Architect...Edw. F. Helms, 4303 California, San Francisco.
Contractor...H. Bowmann.
COST, \$4500

ALTERATIONS

(1931) NO. 1073 CHURCH. Alter dwlg
Owner.....Nicholas Schneider, Prem.
Architect...None.
Contractor...Joseph N. Reid, 2738 Diamond, San Francisco.
COST, \$450

ALTERATIONS

(1932) NO. 26 O'FARRELL. Alter partitions.
Owner.....Kohler & Chase, Premises.
Architect...None.
Contractor...Fink & Schindler Co., 218 13th, San Francisco.
COST, \$350

FRAME DWELLING

(1933) W HAROLD 140 S Ocean. One-story and basement frame dwelling.
Owner.....Max and Mildred Breitman, 1571 Clay, S. F.
Architect...None.
Contractor...Ed. Swanson, 1020 Carolina, San Francisco.
COST, \$2000

FRAME DWELLING

(1934) W HAROLD 115 S Ocean. One story and basement frame dwelling.
Owner.....Max and Mildred Breitman, 1571 Clay, S. F.
Architect...None.
Contractor...Ed. Swanson, 1020 Carolina, San Francisco.
COST, \$2000

BRICK WORK

(1935) TWENTIETH, bet. Texas and Missouri. Brick work for two-story and basement Class "C" school to be known as the Daniel Webster.
Owner.....City and County of San Francisco.
Architect...John Reid Jr., 1 Montgomery San Francisco.
Contractor...T. W. McClenahan, Call Bldg., San Francisco.
COST, \$24,485

CLASS "C" ENGINE HOUSE

(1936) MINT AVE — SW Fifth. General construction of two-story story Class "C" Engine House No. 17.
Owner.....City and County of San Francisco.

Architect...Ward & Blohme, Alaska
Commercial Bldg., S. F.
Contractor...John Spargo, 240 Mont-
gomery, San Francisco.
COST, \$24,750

GRADING LOT

(1997) N POST 76 W Leavenworth W
67-6 N 137-6 E 27-6 S 77-6 E 40 S
60. All grading on lot.
Owner.....S. Hamburger.
Architect...None.
Contractor...Carlin Bros., 110 Jessie,
San Francisco.

Filed June 30, '16. Dated June 29, '16.
When front 67-6x50.....\$1000
When job completed..... 900
TOTAL COST, \$1900
Bond, none. Limit, 20 days. Forfeit,
plans and specifications, none.

PAINTING

(1998) N HAIGHT 137-6 E Central
Ave E 75xN 137-6. Painting for
building.
Owner.....Third Church of Christ
Scientist in San Francisco
Architect...Edgar A. Methews, 251
Post, San Francisco.
Contractor...J. P. Fraser, 791 O'Farrell,
San Francisco.

Filed June 30, '16. Dated June 23, '16.
Before 10th of each month..... 75%
Usual 35 days..... 26%
TOTAL COST, \$3585
Bond, \$1800. Sureties, E. A. Stint and
C. M. Wooster. Limit, 75 days. For-
feit, none. Plans and specifications
filed.

ALTERATIONS

(1999) NO. 227 SACRAMENTO Car-
pentry, roofing, sheet metal, iron
railing, plastering, flooring, steps, in-
terior finish, glass, hardware, plumb-
ing, electric work, screens, etc., for
alterations and additions to resi-
dence.

Owner.....Jesse W. Lillenthal, Hol-
brook Bldg., S. F.
Architect...Houghton Sawyer, Shreve
Bldg., San Francisco.
Contractor...Isaac Penny, Phelan Bldg.
San Francisco.

Filed June 30, '16. Dated June 26, '16.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$1420
Bond, \$710. Surety, United States Fi-
delity & Guaranty Co. Limit, none
Plans and specifications filed.

FRAME FLATS

(2006) S JACKSON 137-6 E Mason E
24xS 137-6. All work for three-story
and basement frame flats.
Owner.....F. Alliguié, 1049 Washing-
ton, San Francisco.

Architect...Fabre & Bearwald, First
National Bank Bldg., S. F.
Contractor...A. Elvin, 425 Castenada
Ave., San Francisco.
Filed June 30, '16. Dated June 23, '16.
Frame up & roof sheathing.....\$1750
Brown coated 1750
Completed and accepted..... 1750
Usual 35 days..... 1750
TOTAL COST, \$7000
Bond, \$3500. Sureties, Frank Elvin and
Edw. Bangle. Limit, 90 days. Forfeit,
\$5. Plans and specifications filed.

ELECTRICAL WORK

(2001) W FOLSOM 198 S 17th W 122-6
xS 150. Electrical work, fixtures,
lamps, etc., and installation of same

for two-story reinforced concrete
drying and cleaning works.
Owner.....Jean Allee, 2148 Folsom,
San Francisco.
Architect...August G. Headman, New
Call Bldg., San Francisco.
Contractor...Standard Elec. Constr. Co.,
60 Natoma, San Francisco.
Filed June 30, '16. Dated June 29, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%
T TOTAL COST, \$3394
Bond, \$1715. Surety, U. S. Fidelity &
Guaranty Co. Limit, without delay to
other work. Forfeit, \$20. Plans and
specifications filed.

LEASES.

June 29, 1916—NOS. 216-218 FOURTH
NW Cor. Tehama. J F Campe to
Emil and Katharina Bohm. 5 years.
\$9600.
June 29, 1916—NOS. 1581-1583 SANCHEZ
William Harde or Wilhelm Harde to
Hermann Ballhausen. June 1, 1926,
\$50 per month.
June 28, 1916—NO. 66 SIXTH. Ashcroft
Estate Co to A Golden. 3 years. \$75
per month.
June 26, 1916—E LEAVENWORTH, bet.
Sutter and Post; No. 730 Leaven-
worth. O C Merrill to Helena Towne-
Smith. 3 years. \$5940.
June 26, 1916—NE LARKIN and EDDY
L D Macy to Rosa Goudal. June 15,
1918, \$130 per month.
June 26, 1916—S McALLISTER 131-3

NOTICE OF NON-LIABILITY, SAN FRANCISCO COUNTY.

June 27, 1916—W SIXTH AVE 172 N
Clement N 53 W 120 S 46 SE 120
m or l to a point on E Sixth Ave
172 N Clement and pt. of beg.
David L or D L Guthrie as to im-
provements on leased property...

RELEASE OF BUILDING CONTRACT. SAN FRANCISCO COUNTY.

June 27, 1916—NO. 2661 BROADWAY
and 2716 Pacific Ave. F W Bradley
with Collman & Duncan. Released
.....June 26, 1916

COMPLETION NOTICES.

San Francisco

RECORDED ACCEPTED
June 1, 1916—NE TWENTY-THIRD &
Louisiana. Western Sugar Refining
Co (Co-partnership of John D and
A B Spreckels) to Lindgren Cor...
.....May 26, 1916
June 1, 1916—W PARKER AVE 331 N
Geary — 23 W 120 S 25 E 120.
Johnson & Johnson to whom it may
concern.....May 31, 1916
June 1, 1916—NO. 1231 MARKET, S
line bet. 8th and 9th. James Otis
Trustee to H L Petersen. May 24, 1916
June 2, 1916—E TWENTY-FIRST AV
150 S Anza S 25xE 120. George
Gallagher to whom it may concern
.....June 2, 1916
June 2, 1916—W VALLE VISTA AVE
90 S Sunny Slope Ave S 45.77xW
120, Okd. Mark W Anthony and
Chas W Heyer Jr to whom it may
concern.....June 2, 1916
June 3, 1916—NE TWENTIETH AVE
and Anza 25x57-6; E 20th Ave 25 N

Anza 25x57-6. E 20th Ave 50 N
Anza 25x57-6; E 20th Ave 75 N
Anza 25x57-6. Lloyd B Ham to
whom it may concern.....June 3, 1916
June 3, 1916—N TWENTY-SECOND
25 W De Haro W 25xN 100. Alex
Lochutoff to whom it may concern
.....June 1, 1916
June 5, 1916—SE CLAY & WEBSTER
The Board of Trustees of the Le-
land Stanford Jr University to H S
Tittle. June 2, 1916 Hunt-Mirk Co
.....June 2, 1916
June 5, 1916—N BRAZIL AVE 50 W
Edinburg W 25xN 100. Gaetano
Clampa to L Dioguardi.....June 2, 1916
June 5, 1916—W SIXTEENTH AVE
150 S Anza S 25xW 120. Alfred
Johnson to whom it may concern...
.....June 5, 1916
June 5, 1916—LOT 47 BLK 3 Academy
Tract being S Harrington 300 W
Mission. H Woodford to Henry
Schulte.....June 5, 1916
June 5, 1916—W 45.646 FEET OF LOT
19 Blk 2518 Forest Hill Court. Con-
servative Bldg & Invt Co (Wm H
Killer) to whom it may concern...
.....June 1, 1916
June 6, 1916—NW DOUGLAS AND
Elizabeth N 26-6xW 100. Abraham
and Clara Lenn to H W Nielsen...
.....June 3, 1916
June 6, 1916—NE KIRKWOOD AVE,
200 SE Phelps, SE 25xNE 100. G.
Firro to Paul De Martini.....
.....June 3, 1916
June 6, 1916—W EIGHTH AVE, 225
C. Reese to whom it may concern
.....June 5, 1916
June 6, 1916—SW FOLSOM AND 26th,
W 170 S 150-1½ m or l S 86 de-
grees 35 minutes E 175 more or
less N 173. I. W. Kerr, John H.
Samm, George W. Reed, R. V.
Lucy, H. Van Loven and H. T.
Harper, as Board of Trustees of
Cogswell Polytechnical College to
Lange & Bergstrom.....May 30, 1916
June 6, 1916—S LAWTON, 70 W 11th
avenue, W 25xS100. Lucy O'Brien
N Lawton, N 28xW 120. Emma L.
to whom it may concern.....May 27, 1916
June 6, 1916—W FORTY-FIFTH
avenue 260 N Cabrillo, N 25xW
120. W Clarence or W. C. McCol-
lom to A. W. MacKillop. June 6, 1916
June 7, 1916—E EIGHTEENTH AVE
55 N Judah N 27-6xE 82-6. Leigh
& Schultz to whom it may concern
.....June 7, 1916
June 7, 1916—E EIGHTEENTH AVE
82-6 N Judah N 27-6xE 82-6. Leigh
& Schultz to whom it may concern
.....June 7, 1916
June 7, 1916—SE RINCON PLACE
(Ellery) and Bryant E 25xS 90.
American Marine Paint Co to Nel-
son & Bauer.....June 5, 1916
June 7, 1916—E EIGHTEENTH AVE
27-6 N Judah N 27-6xE 82-6. Leigh
& Schultz to whom it may concern
.....June 7, 1916
June 7, 1916—NW GEARY & MASON
Saint Francis Realty Co to Robert
Trost.....June 3, 1916
June 8, 1916—W LIPPA AVE 175
S Bosworth 25x100. Valentine Bat-
tini to Louis N Devincenzi. June 5, '16
June 8, 1916—W TWENTY-FOURTH
Ave 340-4 N Balboa N 25xW 120.
William Klute to T E Mohler...
.....June 7, 1916
June 8, 1916—E CAPP 290 N 16th E
120x30. Thos J and Mary Kear-
ney to Conlan Bros.....June 1, 1916
June 8, 1916—E POWELL, bet. Wash-
ington and Jackson. B G Mc-

- Dougall for Arthur Arlett to whom it may concern.....June 31, 1916
- June 8, 1916—W FORTY-FIFTH AVE 225 N Irving N 25xW 120. Theo F Moeller to Peter M Leonard.....June 8, 1916
- June 8, 1916—W JONES 77-6 S Bush 30x77-6. Frederick F Helme to whom it may concern.....Completed —
- June 9, 1916—SE TWELFTH AVE & Anza 25x100. Alfred T Morris to whom it may concern.....June 7, 1916
- June 9, 1916—NE EIGHTEENTH AVE and Noriega N 100xE 32-6. Mrs Julie Depierre to Hofmeister & Berdahl.....May 25, 1916
- June 9, 1916—W MISSION 160 S 22nd — 125 S parallel with W Mission 40 E 125 N 40. Marion Leventritt to Ward & Goodwin.....June 7, 1916
- June 9, 1916—SE CUMBERLAND & Dolores S 89 E 105 S 25 E 25 N 114 W 130. Second Church of Christ Scientist to Central Iron Works.....June 5, 1916
- June 10, 1916—W EIGHTEENTH AV 175 S Judah S 25x120. G H and Maud Morill to Edward A Chick.....June 5, 1916
- June 10, 1916—N CASSELL AVE 150 W Douglass W 33-4xN 121. Clarence R Jeffress to O K Holt.....June 10, 1916—S TURK 181-3 W Steiner S 127-6xW 50. San Francisco Dairy Co to A M Wallen.....June 1, 1916
- June 10, 1916—E THIRTY-THIRD AVE 275 N Geary 25x120. E H Grestlat to George McGlumphy and W Agce (as McGlumphy & Agce).....June 10, 1916
- June 10, 1916—S WASHINGTON 40 W Coulman Place W 20xS 57-6. Jane J (wife Jas B) Needham to whom it may concern.....June 1, 1916
- June 10, 1916—E ELEVENTH AVE 275 N "J" 25x100. Charles E Reinhart to Alex Martinet.....June 9, 1916
- June 10, 1916—S GROVE 155-9xS W Polk W 25 S 120 E 48 N 40 W 24 N 80. Catherine W Ruddock to W E Greene.....June 9, 1916
- June 10, 1916—S CORTLAND AVE 150 W Prospect AVE 25x100. Reinhold Peterlein to P W Montrouill.....June 10, 1916
- June 12, 1916—W TWENTY-FIFTH AVE 375 N California. Leo J Ruegg to whom it may concern.....June 12, 1916
- June 12, 1916—NO. 2492 MISSION. Wm Scheppeler & Co to Wade & Carlsen.....June 7, 1916
- June 12, 1916—SW FIFTEENTH AVE and Balboa S 25xW 77-6. Emil Nelson to whom it may concern.....June 12, 1916
- June 12, 1916—LOT 24 BLK 7 Crocker Amazon Tract. Maurice and Lily Levy to whom it may concern.....June 8, 1916
- June 12, 1916—S BERNARD 68-6 W Taylor W 23xS 60. Laura Englefield to J M Andersen.....June 8, 1916
- June 13, 1916—NW PACIFIC AND Stockton 127-6xW 80. G Taleri to Frederick W Snook Co.....June 12, 1916
- June 13, 1916—NE NAPLES 300 NE France Ave. H W McPherson to whom it may concern.....June 13, 1916
- June 13, 1916—S CORNWALL 107-6 W 5th Ave. Gus Thunberg and John Johnson to whom it may concern.....June 10, 1916
- June 17, 1916—E HAROLD AVE 450 S Bruce S 25xE 112-6; Lot 14 Blk "B" Lakeview. Martha Schumacher to A Weber & C Shaw.....June 5, 1916
- June 13, 1916—W TWENTY-FIRST AVE 50 S Clement — 50xW 82-6. Johnson & Johnson to whom it may concern.....June 12, 1916
- June 13, 1916—S EIGHTEENTH, bet Douglass and Clara Ave; Nos. 4579, 4581 18th. Johanna Sheehan to D J and T Sullivan.....May 5, 1916
- June 13, 1916—W TWENTY-SIXTH AVE 300 S Taraval S 25xW 120. Theresa E Whitney to Parkside Home Bldg Co.....June 12, 1916
- June 14, 1916—W SEVENTEENTH AVE 425 S Anza S 25xW 120. H S Thomson and O A Schoning to whom it may concern.....June 2, 1916
- June 14, 1916—NW SEVENTH AVE & Irving 50x52. Jens P Nissum to whom it may concern.....June 14, 1916
- June 14, 1916—W SEVENTEENTH AVE 375 S Anza S 25xW 120. H S Thomson and O A Schoning to whom it may concern.....June 2, 1916
- June 15, 1916—N VALLEJO 103-1½ E Divisadero E 34-4½xN 137-6. H R Williar to W T Commary & Co.....June 10, 1916
- June 15, 1916—N EIGHTEENTH 174-9 E Guerrero N 100 E 20-0½ S 101 m or l W 28. Margaret Lagan Bourne to Jno Lasure.....June 11, 1916
- June 15, 1916—S IRVING 32-6 E 11th Ave E 25 —. Mrs A Treibel to G G Gillespie.....June 14, 1916
- June 15, 1916—E ELEVENTH AVE 225 S Balboa S 25xE 120. Albert A Saxe to M C Rench.....June 12, 1916
- June 15, 1916—SE EIGHTEENTH & Howard E 122-6xS 85. The Roman Catholic Archbishop of S. F. to R A Chisholm.....June 7, 1916
- June 15, 1916—W DE HARO 225 N 23rd W 100xN 25. W F and Louisa Siebert to whom it may concern.....June 12, 1916
- June 15, 1916—S SUTER 115-9 E Powell S 137-6xE 45-6. Pacific Gas & Electric Co to Hughson & Merton, Inc.....June 10, 1916
- June 15, 1916—E CHURCH 24-6½ N Duncan 25-2½x75. Frances Glomi to A Camilli.....June 14, 1916
- June 15, 1916—W COLE 25 N Rivoli N 25xW 100. Owen Hughes to David Condon.....June 15, 1916
- June 16, 1916—W TWENTY-EIGHTH AVE 181 N California N 25xW 120. Harry B and Laurence D Allen to whom it may concern.....June 16, 1916
- June 16, 1916—W TWENTY-EIGHTH AVE 131 N California N 25xW 120. Harry B and Laurence D Allen to whom it may concern.....June 16, 1916
- June 16, 1916—W TWENTY-EIGHTH AVE 156 N California N 25xW 120. Harry B and Laurence D Allen to whom it may concern.....June 16, 1916
- June 15, 1916—N SUTTER 82-6 W Polk N 120xW 27-6. A A Myers to O W Britt.....June 15, 1916
- June 16, 1916—EXPOSITION SITE. Southern Pacific Co to D J Dolan Wrecking & Construction Co.....June 6, 1916
- June 16, 1916—W TWENTY-FIFTH AVE 275 S Judah S 50xW 120. Dominic Tiscornia to whom it may concern.....June 12, 1916
- June 16, 1916—NW ELEVENTH AND Harrison N 100 W 88-9 S 100 E 73-3. Joseph Serer to whom it may concern.....June 16, 1916
- June 17, 1916—W SAN CARLOS AVE 210 N 19th. John F Haner to whom it may concern.....June 16, 1916
- June 17, 1916—N TWENTY-FIFTH 25 E Hampshire W 25xN 73. Emma R O'Donnell to Segurson Bros.....June 10, 1916
- June 17, 1916—N TWENTY-FIFTH 50 E York E 100 N 98 W 50 S 3 W 50 S 95. Emma R O'Donnell to Segurson Bros.....June 10, 1916
- June 17, 1916—W POWELL 151-8 N Clay N 25-10xW 60. Rosa Croce to J Del Favero and Antonio Pordon.....June 17, 1916
- June 19, 1916—W TWENTY-FIFTH AVE 401 N California N 26 along 25th Ave. Leo J Ruegg to whom it may concern.....June 19, 1916
- June 19, 1916—N WASHINGTON 103 W Spruce N 127-8½xW 62-6. Margaret E Sudden to Bradley & O'Reilly.....June 5, 1916
- June 19, 1916—E TENTH AVE 225 S Geary S 25xE 120. J Eric Johanson to whom it may concern.....June 19, 1916
- June 19, 1916—NW BUSH & POLK. Estate Sarah Fry to S J Hannah.....June 12, 1916
- June 19, 1916—NW FILLMORE AND Francisco. Orange Blossom Inc to Barrett & Hilp, June 19; D J & T Sullivan.....June 19, 1916
- June 20, 1916—W MISSION 160 S 22nd — 125 S parallel with W Mission 40 E 125 N 40. Marion Leventritt to The Rector System of Gas Heating.....June 20, 1916
- June 20, 1916—E TWENTY-THIRD AVE 175 S Vicente Ave S 150x120. J J Murray to Ehrhardt Constr Co.....June 11, 1916
- June 21, 1916—SE BRUNSWICK 25 NE Curtis 50x100. Albin M Samuelson to Henning Olson.....June 20, 1916
- June 21, 1916—SE CALIFORNIA & Polk — 137-6 — 111-2 — 137-6 — to beg. Susanna H Van Nuys to Barrett & Hilp.....June —, 1916
- June 21, 1916—N HAYES 99-6 W Gough W 24-6xN 120. Chas Katz to whom it may concern.....June 19, 1916
- June 21, 1916—S POST 55 W Polk 30 x120. J G Kincanon and L Blum to whom it may concern.....June 21, 1916
- June 21, 1916—W NINTH AVE 500 S Cabrillo S 75xW 95. C A Rushton to whom it may concern.....June 20, 1916
- June 21, 1916—NE THERESA 136 SE Alemany Ave SE 25xNE 100 Ptn Lot 146 Blk 8 Academy Tract. Victor Bjors to whom it may concern.....April 25, 1916
- June 21, 1916—E MISSOURI 125 S 18th 25x100. Hugh A and Della Ward to Elmer Carlson.....June 15, 1916
- June 21, 1916—S MINNA 355 E 2nd E 40xS 80. Margaret Ward to Mager Bros.....June 17, 1916
- June 21, 1916—S MINNA 125 NE from pt of intersection of SE Eighth and SW Minna NE 20 th at right angle —. Sophie Baur to Albert Cook.....June 15, 1916
- June 21, 1916—E SHRADER 100 N Fell N 25xE 100. Sophie Grannis to whom it may concern.....June 20, 1916
- June 22, 1916—E LARKIN 103 N Geary N 34-6xE 60. Clyde S Payne to whom it may concern.....June 20, 1916
- June 22, 1916—N SUTTER 137-6 W Mason. C T Ryland to Dyer Bros Golden West Iron Works, Inc.....June 5, 1916
- June 22, 1916—E BRYANT, bet. 26th and Army. Tony and Salvatore Costa to Francesco and Giuseppe Bonaccorso.....June 21, 1916
- June 22, 1916—N LAKE 78-6 E 6th Ave 37-6xS4. Lloyd B Ham to whom it may concern.....June 22, 1916
- June 22, 1916—LOT 29 and S 15 feet Lot 28 Blk "H" Sunset Heights.

William G Gilmour to whom it may concern.....June 21, 1916
 June 23, 1916—W EDGEWOOD AVE (Sunset Ave) 244.31 S Farnsworth Lane, turns N and S to E and W course, S 35xW 119.13 Ptn Lots 10 and 11 Blk "H," Sunset Heights. A G Sherman to whom it may concern.....June 23, 1916
 June 23, 1916—SE MINNA 225 NE 4th NE 25xSE 70. Daniel O'Neill to Victor Stanquist.....June 19, 1916
 June 23, 1916—NO. 2320 CLAY AND 2200 Webster. The Board of Trustees of the Leland Stanford Jr. University to H S Tittle.....June 23, 1916
 June 24, 1916—S CASELLI AVE 603 W Douglas W 25xS 90. Ernest B Ericksson to whom it may concern.....June 22, 1916
 June 24, 1916—E THIRTEENTH AVE 250 N California N 25x E 120. Mary Wollner Cert to Wm Linden.....June 22, 1916
 June 26, 1916—W FORTY-THIRD AVE 30 N Fulton N 125. F Cooke Caldwell to whom it may concern.....June 26, 1916
 June 26, 1916—E FORTY-THIRD AV 35 N Fulton N 25. F Cooke Caldwell to whom it may concern.....June 26, 1916
 June 26, 1916—LOT 28 AND ALL PTN Lot 27 Blk 14, Forest Hill described as E Castenada Ave said pt being corner Lot 27 Blk 14 th N 74 deg 2 min 24 sec E 110.145 to E bdy line Lot 27 N 10.781 S 67 deg 52 min 42 sec W 100. Edith F Brooke to E J Angell.....June 22, 1916
 June 26, 1916—N SAGAMORE 130 W Capitol Ave W 50xN 100. Giobatto Gazzani to B Ghitto.....June 26, 1916
 June 26, 1916—W TAYLOR 98-9 N Washington N 42-6xW 137-6. Isabelle Daisley to Higginson, Inc.....June 19, 1916
 June 26, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 NW 45 SW 57-6 NW 47-6 NE 137-6. Ellen M Otto to E K Nelson.....June 23, 1916
 June 26, 1916—LOT 19 BLK "R" Park Lane Tract No. 5. Max Leder to S Larsen.....Completed
 June 27, 1916—W NINETEENTH AV 175 S Clement — 25 W 120 N 25 E 120. C E Herrick, Inc to O E Jones.....June 24, 1916
 June 27, 1916—E SEVENTEENTH AV 200 N Balboa N 25x E 120. Michael Costello and Bryan Feerick to whom it may concern.....June 21, 1916
 June 27, 1916—W THIRTY-NINTH AVE 220 S Clement S 30xW 126; W 39th Ave 280 S Clement S 30xW 120; E 40th Ave 220 S Clement S 30x E 120; E 40th Ave 280 S Clement S 30x E 120. Pockman & Co to whom it may concern.....June 26, 1916
 June 28, 1916—E FIFTH AVE 25 S Irving S 25x E 95. Jules M Fischbeck to whom it may concern.....June 23, 1916
 June 28, 1916—LOTS 11, 13 AND 15 Ducas Sub Ptn Lots 5, 6, 11 and 12 Blk 26, West End Map No. 1. C S Alfred to whom it may concern.....June 23, 1916
 June 28, 1916—E FIFTEENTH AVE 100 N Fulton 25x127. Catherine Kelly or Catherine F Kelly to Otto E Anderson.....June 23, 1916
 June 28, 1916—NW SANSOME AND Bush N 137-6xW 67-6. Standard Oil Co. of California by P J Walker Agents to Geo Farrell and Walter N Reed (as Farrell & Reed).....

June 19, 1916
 June 28, 1916—NE VAN NESS AVE and McAllister 120x109. Hannah de Urioste to Greenback Plastering Co.....June 15, 1916
 June 29, 1916—NO. 34 TURK. The Cypress Lawn Cemetery Ass'n to J E O'Mara.....June 27, 1916
 June 29, 1916—S EDDY 87-6 E Leavenworth E 50xS 137-6. George E Bennett to Ralston Iron Works.....June 27, 1916
 June 29, 1916—W NINETEENTH AVE 166-8 N Ulloa N 33-4xW 120. Carl Christensen to whom it may concern.....June 23, 1916
 June 29, 1916—N GREEN 26 E from N Green N 75x E 27-6. Chas W Gompertz to whom it may concern.....June 26, 1916
 June 29, 1916—S CALIFORNIA 137-6 E Leavenworth S 137-6x E 68-9. Mrs Ella F Murray to Ira W Coburn.....June 23, 1916
 June 29, 1916—E BEALE, bet. Market and Mission 91-10x137-6. S S Parsons to Western Iron Works, Inc.....June 28, 1916
 June 29, 1916—W SEVENTEENTH AV 125 N Fulton N 25xW 120. Etha Garlick to Thos Vodden & Son.....June 28, 1916
 June 29, 1916—NW TWENTY-FIRST and Dolores W 100xN 25. Ray B Gilbert to McSheehy Bros. May 24, '16
 June 30, 1916—E EIGHTEENTH AVE 110 N Judah N 50x E 120. The Hind Estate Co to Leigh & Schultz.....June 26, 1916
 June 30, 1916—NO. 2320 CLAY AND No. 2200 Webster. The Board of Trs of Leland Stanford Jr University to Mangrun & Otter.....June 29, '16
 June 30, 1916—N CLAY 167-6 W Hyde W 44xN 100. Gerard Invst Co to whom it may concern.....June 30, 1916
 June 30, 1916—NE CALIFORNIA AND Divisadero 30x62. John P Hart to Dencke Bros.....May 18, 1916
 June 30, 1916—N CLEMENT 75 E 30th Ave E 25xN 125. Thos Hamill to whom it may concern.....June 30, 1916

LIENS FILED

San Francisco

RECORDED AMOUNT
 June 22, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. A Seghler & Brothers, Inc vs Henry Carlleaud Jr and Henry Conrad.....\$181
 June 22, 1916—E DIVISADERO 102-8 1/2 N Jackson N 25 E 110 S 25 W 110. Chas Holloway Jr (as Holloway Expanded Metal Co) vs Elizabeth S Ellingwood and Henry E Routh.....\$45
 June 22, 1916—SE ARLINGTON 112 SW Miguel SW 25xSE 147. Geo H Tay Co, \$30.19; Joseph H Wickstrom, \$36 vs J B Woolfrey and Fred H Detjen.....\$120.60
 June 22, 1916—W NINETEENTH AV 100 N Ulloa N 33-4xW 120. J S Guerin vs St. Clair V Irwin and C C Higgins & Son.....\$137.05
 June 22, 1916—N NINETEENTH AV 100 Ulloa (U) N 33-4xW 120. C W Lubliner & Co vs St. Clair V Irwin.....\$120.60
 June 22, 1916—SW LAKE AND 15TH Ave S 42xW 52-6. Chas Holloway Jr (as Holloway Expanded Metal Co) vs Mrs S Rouda and W L Hemminga, Inc.....\$202

June 23, 1916—SW LAKE AND 15TH Ave W 52-6xS 42. Hart-Wood Lumber Co vs S J and Mrs S J Rouda and W L Hemminga, Inc.....\$618.94
 June 23, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. Francis Joseph Fuller and Arthur A Goepf (as Fuller & Goepf) vs Henry Conrad and Henry Cailleud.....\$221
 June 23, 1916—N SACRAMENTO 146-8 W Taylor W 27-6xN 120. Francis Joseph Fuller and Arthur Goepf (as Fuller & Goepf) vs Joseph Bocciocco and Henry Conrad.....\$459
 June 23, 1916—N NORIEGA 82-6 W 15th Ave W 50xN 100. Felix McHugh & Son vs Chas A Bennett.....\$103
 June 23, 1916—SW LAKE & 15TH Ave S 42xW 52-6. N Jacobsen, \$450 Schwarz & Gottlieb, \$308.50; California Door Co, \$307 vs S and Mrs S Rouda and W L Hemminga, Inc.....\$459
 June 23, 1916—SW LAKE AND 15TH Ave W 52-6xS 42. W J Dowling vs S and Mrs S Rouda and W L Hemminga.....\$293
 June 22, 1916—W NINETEENTH AV 100 N Ulloa (U) N 33-4xW 120. Gus J Peters vs St. Clair V Irwin and C C Higgins & Son.....\$24.70
 June 24, 1916—SW LAKE & 15TH Ave S 42xW 52-6. E A Etherton and Geo Fensky (as George Pensky & Co) vs W L Hemminga, Inc, and S and Mrs S Rouda.....\$267.70
 June 24, 1916—E THIRTY-THIRD Ave 200 S Anza E 120xS 50. F J King vs Katherine McDermott.....\$458.90
 June 24, 1916—SW LAKE AND 15TH Ave W 52-6xS 42. Hardwood Interior Co vs S J and Mrs S Rouda and W L Hemminga, Inc.....\$440
 June 24, 1916—E DIVISADERO 102-8 1/2 N Jackson N 25x E 110. F H Green and Chas H Moore (as F H Green Painting Co, also as Green & Moore) vs Elizabeth Ellingwood and Henry E Routh.....\$460
 June 26, 1916—W EIGHTEENTH AV 175 S Judah S 75xW 120. E D Connelley and W H Bode (as Spring Valley Lumber Yard) vs G H and Maud Morill and Edward A Chick.....\$14.95
 June 26, 1916—N SACRAMENTO 119-2 W Taylor N 120 W 27-6 (Recorded 77 liens \$4). Veyhle & Collins vs Henry Cailleud Jr and Henry Conrad.....\$1300
 June 26, 1916—SW FIFTEENTH AV and Lake S 42xW 52-6. The Modern Sheet Metal Works, \$360.05; The Hoffman Heater Co, \$56.70 vs W Hemminga and S and Mrs S Rouda.....\$416.75
 June 26, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. The Fernald Co vs John Fay and Henry Cailleud Jr.....\$31.07
 June 26, 1916—N SACRAMENTO 146-8 W Taylor W 27-6xN 120. The Fernald Co vs Jno Fay and Jos Bocciocco.....\$106.49
 June 26, 1916—SE CLARA 175 SW Ritch SW 25xSE 50. M Stulsat Co vs Louisa A Dashwood and David Houle and E H Gates.....\$247.04
 June 26, 1916—W 27-6xN 120. Richard Lynch vs Henry Conrad, John Fay and Joseph Bocciocco.....\$195.05
 June 27, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. Richard Lynch vs Henry Conrad, John Fay and Henry Cailleud Jr.....\$107.65
 June 28, 1916—N SACRAMENTO 146-8 W Taylor W 27-6xN 120. Gladding McBean & Co vs H Conrad and Jos Bocciocco.....\$54.10

June 28, 1916—S BROADWAY 30 E
Laguna E 30xS 112-6. W and R H
Pearce vs Mary Friedenberg, \$318.85
June 28, 1916—N SACRAMENTO 119-2
W Taylor W 27-6xN 120. American
Elec Eng Co vs Henry Cailleaud Jr
and Henry Conrad, \$230.10
June 28, 1916—N SACRAMENTO 146-
S W Taylor W 27-6xN 120. Ameri-
can Elec Eng Co vs Joseph Bac-
ciocco and Henry Conrad, \$258.60
June 27, 1916—N SACRAMENTO 146-8
June 30, 1916—NW ELIZABETH &
Douglass—26-6 W 100 S 26-6 E 100.
Reinhart Lumber & Planing Mill
Co vs Abraham and Clara Lenn and
H W Nielsen, \$984.18

Building Contracts Awarded Oakland

No.	Owner	Contractor	Am't.
1563	Whalen	Whalen	2500
1564	Anderson	Anderson	750
1565	Hoffman	Northrup	720
1566	Shutts	Shutts	500
1567	Doak	Stone	450
1568	Goranson	Owner	2900
1569	Romono	Collins	2900
1570	Oxley	Oxley	2500
1571	Reef	Collins	2500
1573	Bosso	Valente	4900
1576	Jewell	Corbett	400
1577	Cavallo	Cavallo	400
1578	Williams	Williams	1900
1579	Palange	Bassett	400
1580	Larsen	Larsen	2000
1581	Larsen	Larsen	2000
1582	Pardee	Perona	1250
1583	Peterson	Woodard	2000
1585	Edwards	Graff	3000
1586	Mulrooney	Mulrooney	2250
1587	Carlson	Crocker	9000
1592	Pacific Tank	Owner	9000
1595	Hollidge	Hollidge	2500
1597	Graciere	Kolmedin	5000
1598	Alta Pdmnt	Nelson	2550
1600	Moore	Scott	2500
1601	Blabon	Blabon	1600
1602	McDonald	Rose	1700
1603	Stewart	Stewart	3000
1604	Moore	Scott	4000
1605	Lisson	Schmidt	400
1606	Pac Fertilizer	Jepsen	10105

BUNGALOW

(1563) COR. BOWIE AND JEROME
Ave., Piedmont. One-story bungalow.
Owner.....J. F. Whalen, 1748 Broad-
way, Oakland.
Architect...None.
Day's work. COST, \$2550

REPAIRS

(1564) NOS. 511-513 PERALTA, Oak-
land. Fire repairs.
Owner.....F. W. Anderson, 1506 7th,
Oakland.
Architect...None.
Day's work. COST, \$750

DWELLING

(1565) N PLYMOUTH 100 W 92nd Ave.
Oakland. One-story 3-room dwlg.
Owner.....Mrs. Emma Hoffman, 1711
92nd Ave., Oakland.
Architect...None.
Contractor..Northrup & Kundrns, 1824
90th Ave., Oakland.
COST, \$720

WAREHOUSE

(1566) S MOSS 185 E Telegraph Ave.,
Oakland. Warehouse.
Owner.....H. I. Shutts, 485 Moss Ave.
Oakland.
Architect...None.
Day's work. COST, \$500

SHED
(1567) NW FOURTH AND MADISON,
Oakland. Shed.
Owner.....Doak Gas Engine Co.,
Premises.
Architect...None.
Owner.....H. Goranson, 431 48th, Okd.
Architect...None.
Contractor..E. P. Stone, 1212 Carrison,
Berkeley.
COST, \$450

DWELLING

(1568) E LAGUNA AVE 300 S Hopkins,
Oakland. One-story 5-room dwlg.
Day's work. COST, \$2000

DWELLING

(1569) NE JOHN AND MONTGOMERY
Oakland. One-story 6-room dwlg.
Owner.....Frank Romono, Piedmont
Ave., Oakland.
Architect...None.
Contractor..Ed. Collins, 825 57th, Okd.
COST, \$2900

DWELLING

(1570) W 107TH AVE 1500 S E-14th,
Oakland. One-story 5-room dwelling.
Owner.....W. Oxley, 6124 Noble Ave.,
Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(1571) S GLEN COURT 40 W Sequoia,
Oakland. One-story 6-room dwlg.
Owner.....H. J. Reef, 1st National
Bank Bldg., Oakland.
Architect...None.
Contractor..Ed. Collins, 825 57th, Okd.
COST, \$2500

FRAME STORE

(1573) E TELEGRAPH AVE 125 N
48th N 25XE 131, Oakland. All work
for one-story and basement frame
store.
Owner.....Joseph L. Bosso, 4828 Tele-
graph Ave., Oakland.
Architect...A. A. W. Smith, 1010 Broad-
way, Oakland.
Contractor..M. Valente, 5882 Vallejo,
Oakland.
Filed June 24, '16. Dated June 19, '16.
Each Saturday 75%
Usual 35 days 25%
TOTAL COST, \$4900
Bond, \$2450. Surety, Casualty Co. of
America. Limit, Sept. 15. Forfeit, \$3.
Plans and specifications filed.

ALTERATIONS

(1576) NO. 341 THIRTEENTH, Oak-
land. Alterations.
Owner.....Jewell Tea Co., Premises.
Architect...None.
Contractor..Corbett & Bayliss, 1110
Franklin, Oakland.
COST, \$400

ALTERATIONS

(1577) NO. 3424 HAVEN, Oakland.
Alterations.
Owner.....Mrs. W. Cavallo, Premises.
Architect...None.
Contractor..W. Cavallo, Premises.
COST, \$400

DWELLING

(1578) E LAGUNA AVE 180 S Hopkins
Oakland. One-story six-room dwlg.
Owner.....E. R. Williams, 1236 37th
Ave., Oakland.
Architect...None.
Day's work. COST, \$1900

ADDITION

(1579) NO. 809 PLUM, Oakland. Ad-
dition.
Owner.....A. Palange, Premises.
Architect...None.
Contractor..Ed. Bassett, 804 Fruitvale
Ave., Oakland.
COST, \$400

DWELLING

(1580) W TWENTY-SEVENTH AVE
256 N E-14th, Oakland. One-story five-
room dwelling.
Owner.....R. K. Larsen, 1205 30th
Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(1581) W TWENTY-SEVENTH AVE
270 W E-14th, Oakland. One-story 5-
room dwelling.
Owner.....R. K. Larsen, 1205 30th
Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS

(1582) NO. 533 SIXTEENTH, Oakland.
Alterations.
Owner.....Dr. G. C. Pardee, 672 11th,
Oakland.
Architect...None.
Contractor..John Perona, 568 7th, Okd.
COS, \$1250

DWELLING

(1583) S LINDA AVE 200 W Kingston,
Oakland. One-story 5-room dwlg.
Owner.....W. A. Peterson, Oakland.
Architect...None.
Contractor..E. W. Woodard, 4031
Brighton Ave., Oakland.
COST, \$2000

FRAME DWELLING

(1585) LOT 13 BLK "D" Excelsior
Heights Tract, Oakland. All work
for one-story 6-room frame dwelling
Owner.....S. D. and M. E. Edwards,
Oakland.
Architect...None.
Contractor..Edwin Graff, Syndicate
Bldg., Oakland.
Filed June 27, '16. Dated June 23, '16.
Signing of contract.....\$300
Frame up 600
Brown coat on interior..... 725
Completed 725
Usual 35 days 650
TOTAL COST, \$3000
Bond, none. Limit, 80 days after June
30. Forfeit, none. Plans and specifi-
cations filed.

DWELLING

(1586) N DELAWARE 350 E Peralta
Ave., Oakland. One-story 5-room
dwelling.
Owner.....J. R. Mulrooney, 3500 Per-
alta Ave., Oakland.
Architect...None.
Day's work. COST, \$2250

DWELLING

(1587) N RUDDSDALE 100 E 73rd Ave.,
Oakland. One-story 5-room dwelling.
Owner.....Gust and Ada Carlson, 711
Haight, Alameda.
Architect...None.
Contractor..Crocker & Barber, Rust,
California.
COST, \$1350

FACTORY

(1592) N TIDAL CANAL 1250 E High,
Oakland. One-story mill construc-
tion factory.

Wednesday, July 5, 1916.

Owner.....Pacific Tank & Pipe Co.,
5th and Bryant, S. F.
Architect...None.
Day's work. COST, \$9000
NOTE:—Piles being driven.

DWELLING
(1595) E BROADWAY 200 S Prospect,
Oakland. One-story 6-room dwelling.
Owner.....Geo. H. Hollidge, 5926 Taft
Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING
(1597) W THIRTY-NINTH AVE 750 N
E-14th, Oakland. One-story 6-room
dwelling.
Owner.....I. L. Gracier, 1630 Bridge,
Oakland.
Architect...None.
Contractor...Harry Kolmodin, 2610 62nd
Ave., Oakland.
COST, \$2100

FRAME DWELLING
(1598) LOT 200 Map Crocker High-
lands, Oakland. All work for two-
story frame dwelling.
Owner.....Alta Piedmont Lsnd Co.,
Oakland Bank of Svgs Bldg
Oakland.
Architect...John Davis Hatch, Hum-
boldt Bank Bldg., S. F.
Contractor...Christ Nelsen and Peter
Buhman.
Filed June 29, '16. Dated June 27, '16.
Frame up ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$5000
Bond, \$2500. Surety, National Surety
Co. Limit, 95 days. Forfeit, \$5. Plans
and specifications filed.

GARAGE, ETC.
(1600) FOOT ADELINE ST. Oakland.
Blacksmith shop, garage, office build-
ings and certain alterations.
Owner.....Moore & Scott Iron Works,
678 Second, S. F.
Architect...None.
Day's work. COST, \$2550

DWELLING
(1601) E LOMA VISTA AVE 50 S
Kansas, Oakland. One-story 5-room
dwelling.
Owner.....E. R. Blabon, 2556 62nd,
Oakland.
Architect...None.
Day's work. COST, \$1600

DWELLING
(1602) NW LAGUNA AVE AND MON-
tana, Oakland. One-story 4-room
dwelling.
Owner.....G. B. McDonald.
Architect...None.
Contractor...A. H. Rose & Co., 545 17th,
Oakland.
COST, \$1700

WORK SHOP
(1603) W SAN PABLO AVE 200 N
32nd, Oakland. One-story corrugated
iron work shop.
Owner.....B. A. Stewart, 8 Fairview,
Piedmont.
Architect...None.
Day's work. COST, \$3000

STOREROOM
(1604) FOOT ADELINE ST., Oakland.
Two-story storeroom.

BUILDING AND ENGINEERING NEWS

Owner.....Moore & Scott Iron Works,
678 Second, S. F.
Architect...None.
Day's work. COST, \$4000

RESHINGLE
(1605) NO. 1709 MYRTLE, Oakland.
Reshingle.
Owner.....Miss Llisson, Premises.
Architect...None.
Contractor...B. H. Schmidt, 2337 E-19th
Oakland.
COS, \$400

Building Contracts Awarded Berkeley

No.	Owner	Contractor	Amt.
1572	Kelly	Riddell	5000
1574	United Bldrs	Owner	2000
1575	United Bldrs	Haynes	2000
1584	Shuey	Sorensen	11500
1590	Duval	Duval	425
1591	Cutter	Cutter	400
1593	Wright	Wright	4900
1596	Brown	Brown	700
1599	Stevenson	Texdahl	6150

FRAME DWELLING
(1572) LOT 15 BLK 12 Daley's Scenic
Park, Berkeley. All work for two-
story 3-room frame dwelling.
Owner.....Alice S. Kelly.
Architect...None.
Contractor...Riddell Bldg. Service Corp.
2247 Telegraph Ave., Bkly.
Filed June 24, '16. Dated June 24, '16.
Frame up ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$5000
Bond, none. Limit, 90 days. Forfeit
none. Plans and specifications filed.

DWELLING
(1574) W LEE 35 N Prince, Berkeley.
One-story 5-room dwelling.
Owner.....United Home Bldrs., 1762
Broadway, Berkeley.
Architect...None.
Day's work. COST, \$2000

DWELLING
(1575) — BAKER 120 N Prince, Ber-
keley. One-story 5-room dwelling.
Owner.....United Home Bldrs., 1762
Broadway, Berkeley.
Architect...None.
Contractor...W. A. Haynes, 5712 Oak
Grove Ave., Oakland.
COST, \$2000

CLASS "C" CREAMERY
(1584) E TELEGRAPH AVE 75 S
Stuart, Berkeley. One-story 11-room
Class "C" creamery.
Owner.....Shuey Creamery Co.,
Stuart near Telegraph Ave.
Berkeley.
Architect...James W. Plachek, Ache-
son Bldg., Berkeley.
Contractor...Walter Sorensen, 3219
Ellis, Berkeley.
COST, \$11,500

ADDITION
(1590) NO. 1600 TODD, Berkeley.
Addition.
Owner.....P. Duval, Premises.
Architect...None.
Day's work. COST, \$425

ADDITION
(1591) W SIXTH, bet. Grayson and
Snyder, Berkeley. Addition.
Owner.....Cutter Laboratory, Prem.
Architect...None.
Day's work. COST, \$400

FRAME STORE
(1593) NE WEBSTER AND SANTA
Clara, Alameda. One-story frame
store.
Owner.....Geo. T. Wright, Mills Bldg.
San Francisco.
Architect...A. W. Pattianl, Merchants
National Bank Bldg., S. F.
Day's work. COST, \$4900

ALTERATIONS
(1596) NOS. 2322-34 HASTE, Berkeley.
Alterations and additions.
Owner.....M. G. R. J. and Susan C.
Brown, Premises.
Architect...None.
Day's work. COST, \$700

FRAME DWELLING
(1599) LOT 13 BLK 2 Hotel Claremont
Tract, Berkeley. All work for two-
story and basement frame dwelling
Owner.....Thomas D. Stevenson, 1829
Prince, Berkeley.
Architect...Clarence A. Tantau, 519
California, San Francisco.
Contractor...Chris Texdahl, 3035 Harper
Berkeley.
Filed June 29, '16. Dated June 27, '16.
Frame work completed..... ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$6180
Bond, \$3090. Surety, Casualty Co. of
America. Limit, Oct. 1, 1916. Forfeit,
none. Plans and specifications filed.

BRICK BUILDING
(1606) ON PTY OF PACIFIC GUANO
and Fertilizer Co., adjoining N end of
present kiln building, N 102x86, Ber-
keley. All work for one-story brick
building.
Owner.....Pacific Guano & Fertilizer
Co., 2nd Cor. Hearst Ave.,
Berkeley.
Architect...C. A. Meussdorffer, Hum-
boldt Bank Bldg., S. F.
Contractor...Frank & Henry Jepsen,
1721 Francisco, Berkeley.
Filed June 30, '16. Dated June 28, '16.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$10,105
Bond, \$5052.50. Surety, New Amsterdam
Casualty Co. Limit, 45 days from July
6, 1916. Forfeit, none. Plans and
specifications filed.

Building Contracts Awarded

Alameda

No.	Owner	Contractor	Amt.
1588	Reid	Reid	400
1589	Haslett	MacRae	400
1594	Penning	Roberts	2250

GARAGE
(1588) NO. 1514 FERNSIDE BLVD.,
Alameda. Garage.
Owner.....W. Reid, Premises.
Architect...None.
Day's work. COST, \$400

REPAIRS
(1589) NO. 1315 CLINTON, Alameda.
Repairs.
Owner.....S. Haslett, Premises.
Architect...None.
Contractor...C. MacRae, 2315 Encinal
Ave., Alameda.
COST, \$400

DWELLING
(1594) N DELAWARE 200 W Califor-
nia, being S 135 of W 40 Lot 2 Blk
4, Teachers' State University Home-

stead Association Tract, Berkeley.
 All work for one story and basement
 frame 5-room dwelling.
 Owner.....Chas. W. Penning, 1919 9th
 Berkeley.
 Architect.....None.
 Contractor.....C. E. Roberts, 1905 Curtis,
 Berkeley.
 Filed June 23, '16. Dated June 23, '16.
 Frame up\$700
 Plastered 700
 Completed 850
 TOTAL COST, \$2250
 Bond, none. Limit, 80 days. Forfeit,
 \$1. Plans and specifications, none.

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED
 June 10, 1916—LOT 7 BLK "B" Lin-
 coln Park Trct, Piedmont. Stephen
 M Osborn to A R Dexter. June 10, '16
 June 10, 1916—LOTS 15 AND 16 BLK
 7 Map Highland Park Terrace, Okd.
 E W Horne to Hugh Tullock.....
 June 10, 1916
 June 10, 1916—N PROSPECT AVE,
 being SE 20 Lot 5 and NW 15 Lot
 6 Blk "E" Map Broadway Terrace,
 Okd. R H Banning and James E
 Stewart to whom it may concern..
 Completed.....June 10, 1916
 June 10, 1916—N 20-10 Lot 4 and S
 18-4 Lot 5 Blk "D" Map Broadway
 Terrace, Okd. R H Banning and
 Jas E Stewart to whom it may concern..
 Completed.....June 10, 1916
 June 10, 1916—LOT 7 SE 10 Lot 6
 Blk "E" Map Broadway Terrace,
 Okd. R H Banning and Jas E
 Stewart to whom it may concern..
 Completed.....June 10, 1916
 June 10, 1916—ASHBY AVE — W
 Piedmont Ave 55x130, being Lot
 13 Blk "E" Map Elmwood Park,
 Bkly. Grace Everett Barnard to
 Enoch Trammal.....June 8, 1916
 June 10, 1916—LOT 13 BLK "C" Map
 Scenic Blvd Knoll, Okd. H S Pat-
 ton to whom it may concern.....
 June 9, 1916
 June 10, 1916—DUSTERBERRY
 Ranch, Centerville, bounded on SE
 by County Road 1948. F T Duster-
 berry to John Haar.....June 2, 1916
 June 12, 1916—LOT 132 and E 20 Lot
 131 Blk 35 Amended Map Havens-
 court, Okd. J Englander to A R
 Dexter.....June 12, 1916
 June 12, 1916—LOT 62 Nova Pied-
 mont, Piedmont. R V and Emma
 F Chandler to E W Woodard.....
 June 8, 1916
 June 14, 1916—LOT 34 BLK 17 Map
 Iveywood Ext., Okd. G W Quin to
 M H Allen and H C Miller.....
 June 7, 1916
 June 15, 1916—PTN LOT 10 BLK 7
 Map Berkeley Heights, Bkly. Chas
 A McKelvey to Chris Engelsen.....
 June 5, 1916
 June 14, 1916—LOTS 8 TO 24 INCL.
 and Ptn Lots 4, 5, 6, 7 and 25 to 32
 incl. R J McMullen's Sbdvn Blk 576
 of City of Oakland. Pacific Coast
 Shredded Wheat Co to De Luchl
 Schuffel Cor.....May 31, 1916
 June 17, 1916—PTN LOTS 7 AND 8
 Blk "B" Lincoln Park Tract, Pied-
 mont. A R Dexter to whom it may
 concern.....June 10, 1916
 June 19, 1916—(1) PTN LOT 6 BLK
 "C" Map Bella Vista Park; (2) Ptn
 Lots 4 and 5 Blk "C" Map Bella
 Vista Park, Okd. John D Garret-
 son to whom it may concern.....

June 19, 1916—LOTS 21 AND 22 BLK
 "R" Map Waterside Terrace, Okd.
 John D Garretson to whom it may
 concern.....June 15, 1916
 June 19, 1916—W 38 LOT 5 and E 37
 Lot 4 Blk "C" Map Claremont
 Court, Bkly. Mason McDuffie Co to
 whom it may concern.....June 10, 1916
 June 19, 1916—LOT 2 BLK "C" Map
 Claremont Court, Bkly. Mason-Me-
 Duffie Co to whom it may concern..
 June 10, 1916
 June 19, 1916—NO. 2385 MARKET,
 Okd. C A Ludeking to J W Jes-
 person and A C Dippo.....June 12, 1916
 June 19, 1916—W PLEASANT VAL-
 ley Ave 45 N Oakland Ave, being
 Ptn Lot 36 Map Bowie Ppty, Pied-
 mont. Alfred Cords to whom it
 may concern.....June 19, 1916
 June 19, 1916—LOT 29 BLK "C" Map
 Kenwood Park, Okd. Syndicate In-
 vestment Co to Roy B Litton.....
 June 17, 1916
 June 19, 1916—LOT 25 BLK "C" Map
 Kenwood Park, Okd. Syndicate In-
 vestment Co to Roy B Litton.....
 June 17, 1916
 June 19, 1916—E 35 LOT 34 BLK
 2113 Map Alden Tract at Temescal,
 Okd. J P Silva to whom it may
 concern.....June 17, 1916
 June 19, 1916—ALL LOTS 8 TO 24
 incl and ptn Lots 4, 5, 6, 7 and 25 to
 32 incl. R J McMullen's Sbdvn Blk
 576 of City of Oakland. Pacific
 Coast Shredded Wheat Co to Lester
 Stock; J H Keefe & Co; W P Fuller
 & Co; Vitrolite Constr Co; Wm
 Makin.....June 14, 1916
 June 20, 1916—E PERALTA AVE 170
 N Sonoma Ave, Albany. W N Taylor
 to J G Taylor.....June 20, 1916
 June 20, 1916—LOT 10 BLK 17 North-
 brae, Bkly. Reed W Thomas to A
 H Hallen.....June 17, 1916
 June 21, 1916—PTN LOTS 4, 5 AND 6
 Blk "C" Map Bella Vista Park, Okd.
 John D Garretson to whom it may
 concern.....June 21, 1916
 June 22, 1916—LOT 8 BLK 7 Resbvn
 Blks 9, 10, 11, 12, 13, 14 and ptn
 Blk 16, Rockridge Terrace, Okd.
 Oakland Investment Co by Jean
 Sherry to whom it may concern..
 June 22, 1916
 June 22, 1916—S FIFTY-EIGHT, bet
 Adeline and Genoa, Okd. J A Sa-
 batte to J W Williams.....June 22, 1916
 June 22, 1916—LOT 5 Sylvan Crest
 Tract on SW Cor. Coronada and
 Desmond, Okd. Frank R Makinson
 to R E Stubbe.....June 22, 1916
 June 23, 1916—E OAK 80 N 9th N 50
 x E 100, Okd. V N Strang to whom
 it may concern.....June 21, 1916
 June 23, 1916—LOT 14 BLK "I" Map
 Northbrae Terrace, Bkly. W F
 Martin to whom it may concern..
 June 19, 1916
 June 26, 1916—PTN LOT 8 BLK 6
 Map Fourth Avenue Heights, Okd.
 Charlotte Matilda Ingaglia to A R
 Dexter.....Nov. 1, 1915
 June 26, 1916—E 1/2 LOTS 8 AND 9
 Blk 6 Map Thousand Oaks, Oak-
 land Tp. John Breuner to Francis
 S Spring.....June 9, 1916
 June 26, 1916—LOT 6 BLK 17 North
 Cragmont, Oakland Tp. L W An-
 derson to whom it may concern..
 June 20, 1916
 June 26, 1916—LOT 8 BLK 17 North
 Cragmont, Oakland. L W An-
 derson to whom it may concern.....
 June 20, 1916
 June 27, 1916—LOT 22 BLK "C" Map

Kenwood Park, Okd. Syndicate In-
 vestment Co to Roy B Litton.....
 June 21, 1916
 June 27, 1916—SE TODD & GROVE
 E 115xS 45, Bkly. Edward and
 Annette M Jahnsen to C C Foss..
 & SonJune 26, 1916
 June 28, 1916—W ADELIN 37 N Pel-
 ton, being Ptn Lots 10 and 11 Blk
 "C" Paradise Park Tract, Bkly.
 Will F and Meta M Krahn to J F
 Bruce.....June 24, 1916
 June 28, 1916—LOT 5 BLK 19 Map
 Havenscourt, Okd. Frank J Moun-
 tain to J H Martin.....June 27, 1916
 June 29, 1916—N SUTER 100 W High
 W 25xN 98.26, Okd. Edwin B De
 Golia to W A Anderson.....June 27, 1916
 June 30, 1916—LOTS 4 AND 5 Map
 Craig Ppty and Lots 15 to 17 and W
 1/2 Lot 19, Piedmont Tract, Pied-
 mont. Juliette Alexander to Elec-
 trical Constr Co; Carl Doell; Ameri-
 can Marble & Mosaic Co and L D
 Frazee.....June 22, 1916
 June 30, 1916—LOT 26 BLK 20 Map
 Blk 20, 21, 22, 23, 24, Thousand
 Oaks, Oakland Tp. R W Hawley to
 C H Warren.....June 24, 1916
 June 30, 1916—LOT 217 and N 5 ft.
 Lot 215 Sheet No. 2 Map Terminal
 Junction Tract, Albany. David G
 Duncan to whom it may concern..
 May 6, 1916
 June 30, 1916—E HIGHLAND AVE
 150 S Worcester Ave, being No.
 214 Highland Ave., Piedmont. Min-
 nie E Henderson to Fred Strang..
 June 29, 1916

LIENS FILED

ALAMEDA COUNTY.

June 17, 1916—LOTS 8 AND 19 Map
 Resbvn Blks 9, 10, 11, 12, 13, 14
 and ptn Blk 16, Rockridge Terrace,
 Okd. Lester Watson, \$23.75; R R
 Condysor, \$13.75 vs E M Reagh and
 Henry Leheldt.....
 June 17, 1916—LOT 95 Map Alta Pied-
 mont Tract, Oakland Tp. Rhodes-
 Jamieson Co vs R E Stubbe, G W
 Comfort and R F Sperow.....\$195.39
 June 17, 1916—LOT 95 Map Alta Pied-
 mont Tract, Oakland Tp. Sunset
 Lumber Co, \$1426.39; Oakland Pav-
 ing Co, \$120.15; M Friedman &
 Co, \$87.35; Bass Heuter Paint Co,
 \$119; Maxwell Hardware Co, \$157.52
 vs R E Stubbe.....
 June 19, 1916—LOT 95 Amended Map
 Alta Piedmont Tract and Alta
 Heights, Piedmont. Bird Rymer Co
 vs R E Stubbe.....\$100
 June 19, 1916—LOT 14 AND N 1/2
 Lot 13 Blk "E" Map Bella Vista
 Park, Okd. Hammond Lumber Co
 vs Marie M Grief, Benjamin M
 Mederer and A L Haley.....\$35
 June 21, 1916—LOT 14 and N 1/2 Lot
 13 Blk "E" Map Bella Vista Park,
 Okd. F E O'Hair (Oakland Plumb-
 ing Supply Co) vs A L Haley, Mary
 M Grief and Benjamin M Mederer..
 \$35
 June 21, 1916—S CALMAR AVE 217
 W Paloma 50 feet frontage being
 No. 725 Calmar Ave, Okd. E Rosen-
 berg (Wedel Electric Co) vs Annie
 Depauli.....\$47.50
 June 21, 1916—LOT 10 BLK "D"
 Scenic Blvd Knoll, Okd. Herman
 Nicolai vs H S Patton.....\$147.30
 June 22, 1916—N CLEMENT AVE
 137-9 1/2 W Park W 50xN 145, Ala.
 E K Wood Lumber Co vs Gabriel
 and Theresa Vergez and William

Dufour\$992.58
 June 22, 1916—N SIXTY-SECOND
 76.48 W Lowell W 35xN 132, Okd.
 E K Wood Lumber Co vs Leon and
 Jane Doe Cameto and R H Martin
\$250.08
 June 22, 1916—S 50 LOT 20 BLK "X"
 Map No. 3 of Roberts and Wolfskill
 Tract, being NE Rose and Howell,
 Okd. Sunset Lumber Co vs Amelia
 and W H Moore.....\$167.25
 June 27, 1916—LOT 14 and N ½ Lot
 13 Blk "E" Map Bella Vista Park,
 Okd. John P Maxwell (Maxwell
 Hardware Co) vs Marie M Greif,
 Benjamin M Mederer and A L
 Haley.....\$22.15
 June 23, 1916—E THOMAS 294 N
 Napa N 76x6 100, Okd. George H
 Tay Co vs E L Higgins and N C
 Hill.....\$156.97
 June 23, 1916—LOT 18 BLK 43 Map
 Part Minturn Tract, Alameda. Sun-
 set Lumber Co vs Gabriel and
 Therese Vergez and William H
 Dufour\$105.25
 June 24, 1916—N CLEMENT AVE
 137-9½ W Park W 50xN 145, Ala.
 Powell Bros Constr Co, \$135.95;
 Estate Mary Mazzini, dec'd, \$165.90;
 N Lena, \$187.90 vs Gabriel and
 Teresa Verges and William Dufour
 June 24, 1916—LOT 18 BLK 43 Map
 Ptn Minturn Tract, Ala. Pacific
 Mfg Co vs Gabriel Vergez and Wil-
 liam Dufour\$504.05
 June 24, 1916—N OAKLAND AVE 235
 E Pleasant Valley Ave N 110x6 50,
 Piedmont. Hogan Lumber Co vs J
 P Beckett and John Doe.....\$42.70
 June 26, 1916—LOTS 13 AND 14 BLK
 2035 Map A J Snyder's Resbdrn Ptn
 Blk 2035 Map Rowland Tract, Okd.
 Panama Lumber & Mill Co, \$43.20;
 Yager Sheet Metal & Plumbing Co,
 \$45; G F Hammack, \$22.10; E K
 Wood Lumber Co, \$36.53; J F Ellis,
 \$24; Pacific Mfg Co, \$165.70; Robert
 Howden & Sons, \$100; Chris Nelson,
 \$9.50; Carl Doell, \$208; Spott Bros,
 \$37.73 vs Etta L Kleeman, G E
 Kleeman and G A Scott.....
 June 26, 1916—E SAN PABLO AVE
 174.20 N University Ave E 125xN 25,
 Bkly. Hall & Coggins vs C A and
 Honora Doyle\$15
 June 27, 1916—S TWELFTH 75 W
 Broadway W 25xS 100, Okd. Cor-
 bett & Bayliss vs Levy Estate Co
\$673.73
 June 28, 1916—NO. 1222 BROADWAY,
 Okd. Corbett & Bayliss vs Charles
 Jurgens\$218.89
 June 28, 1916—LOT 39 Map Cunha &
 Walker Ppty, Okd. Hogan Lumber
 Co vs J Baudino.....\$259.51
 June 28, 1916—NO. 3328 E-SEVEN-

teenth, being Lot 63 Map Henry &
 Phillips Tract, Okd. Eureka Mill
 & Lumber Co, Inc, \$284.07; Perry C
 Fry, \$21.37 vs Isidore Coursinoux
 and Jane Doe Coursinoux and J
 Boeddieker
 June 29, 1916—W BRYON 100 S Addi-
 son S 40.13xW 120, Bkly. Thomas
 Wilson vs R H Martin and Gene-
 vieve A Brennan.....\$61.30
 June 29, 1916—NW ELIZABETH AND
 Douglass N 26-6xW 100, C Nelson
 vs H W Wilson or Nielsen and
 Abraham and Clara Lenn.....\$382.50
 June 29, 1916—NW ELIZABETH AND
 Douglass N 26-6xW 100, Wm Nel-
 son vs H W Nielsen and Abraham
 and Clara Lenn\$112.50
 June 29, 1916—S TURK 150 E Baker
 E 25xS 127-6, Jno B Woolfrey vs
 Wm O and Anna Tyson.....\$811
 June 29, 1916—NO. 322 BARTLETT,
 Wm Kleeman vs Miss Mary Leahy
\$107.50
 June 29, 1916—S GREEN 83-6 E Scott
 E 2TxS 127-6, Inald Floor Co vs
 Lucio M Mintzer and Mauricia T
 Mintzer and Sylvanus C and Evelyn
 Farnham\$73.25
 June 29, 1916—XW DOUGLASS AND
 Elizabeth N 26-6xW 100, S E
 Moehrl (as Modern Sheet Metal
 Works) vs H W Nielsen and Abra-
 ham and Clara Lenn.....\$75.50
 June 29, 1916—E DIVISADERO 102-
 8½ N Jackson N 25x6 110, C E
 Moehrl (as Modern Sheet Metal
 Works) vs Elizabeth S Ellinwood
 and Henry E Routh.....\$97.10
 June 30, 1916—N ROSE 40 W Tam-
 alpais, Bkly. W N Flahert vs
 Finance & Development Co and J
 A McCall\$127.10
 June 30, 1916—CENTRAL AVE opp.
 end of Wehster, Ala. Piedmont
 Elec Co vs Surf Beach Amusement
 Co, E W McConnell, C S Williams
 and Stanford Gordon.....\$62.42

BUILDING CONTRACTS

SANTA CLARA COUNTY.

BATH HOUSE, ETC.
 CAMPUS AT Stanford University, Palo
 Alto. Women's bath house and swim-
 ming tank.
 Owner.....Stanford University.
 Architect.....Bakewell & Brown, 251
 Kearny, San Francisco.
 Engineers...Hunter & Hudson, Rialto
 Bldg., San Francisco.
 Contractor..Larsen - S a m p s o n Co.,
 Crocker Bldg., S. F.
 Filed June 22, '16. Dated June 20, '16.
 Payments monthly of.....75%

Usual 35 days.....25%
 TOTAL COST, \$7150
 Bond, \$3575. Surety, Casualty Co. of
 America. Limit, 40 days from date.
 Forfeit, \$25 per day. Plans and spec-
 ifications filed.

PLUMBING AND HEATING ON ABOVE
 Contractor..Turner Co., 278 Natoma,
 San Francisco.

Filed June 22, '16. Dated June 20, '16.
 Payments same as above.....

TOTAL COST, \$4380
 Bond, \$2190. Surety, Massachusetts
 Bonding & Insurance Co. Limit, 40
 days from date. Forfeit, \$25 per day.
 Plans and specifications filed.

ELECTRIC WORK ON ABOVE.
 Contractor..McFell Electric Co., 223
 Minna, San Francisco.

Filed June 22, '16. Dated June 20, '16.
 Payments same as above.....

TOTAL COST, \$615
 Bond, \$307.50. Surety, Hartford Accl-
 dent & Indemnity Co. Limit, 40 days
 after date. Forfeit, \$25 per day. Plans
 and specifications filed.

PLUMBING
 UNIVERSITY AVE & HIGH ST., Palo
 Alto. Plumbing for three-story brick
 and frame store and office building.
 Owner.....Ernest Wilson Co., Palo
 Alto.

Architect...A. S. Heineman, San Fer-
 nando Bldg., Los Angeles.

Gen. Contractor..Dreyfus Bros.

Sub-Contractor..Alexander Coleman,
 706 Ellis, San Francisco.

Filed June 24, '16. Dated May 31, '16.

Roughed in\$750
 Accepted620
 Usual 35 days.....455

TOTAL COST, \$1825
 Bond, \$912.50. Surety, Gaetano Mal-
 fede. Limit, 100 days from May 15.
 Forfeit, none. Plans only filed.

FRAME APARTMENTS
 SECOND AND MARGARET STS., San
 Jose. All work except plumbing,
 tinning, sheet metal work, tiling,
 sewer, gas and water service and
 finish hardware for two-story frame
 apartment house.

Owner.....C. Helene Schultz.

Architect...Charles S. McKenzie, Bank
 of San Jose Bldg., S. J.

Contractor..P. T. Jorgensen, Naglee &
 Dana Sts., San Jose.

Filed June 22, '16. Dated June 15, '16.

Frame up\$1000
 1st coat mortar inside.....1000

Accepted1000
 Usual 35 days.....1000

TOTAL COST, \$4000
 Bond, \$2000. Surety, Chris. Pollesen.
 Limit, 90 days after filing. Forfeit,
 none. Plans and specifications filed.

BRICK OFFICES AND STORES
 UNIVERSITY AVE AND HIGH ST.,
 Palo Alto. Heating plant and oil
 burning equipment for three-story
 brick offices and stores.

Owner.....Ernest Wilson Co., Palo
 Alto.

Architect...A. S. Heineman, San Fer-
 nando Bldg., Los Angeles.

Sub-Contractor..F. W. Beatty.

Filed June 14, '16. Dated May 31, '16.

Tanks roughed in.....\$475
 Accepted950
 Usual 35 days.....475

TOTAL COST, \$1900

HARDWOODS — VENEERS

No matter what **kind** of Hardwoods Flooring or Panels you may require, nor what **quantity** of each you may need for **immediate delivery**, you can depend upon **WHITE BROTHERS** to supply you promptly.

We carry the largest stock of **HARDWOODS** and **WYBRO PANELS** in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured **service and promptness** coupled with **fair prices** as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

Bond, \$950. Sureties, Massachusetts Bonding & Insurance Co. Limit, 100 days after May 15. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED
June 22, 1916—LOT 62 Marguerite Tract No. 2 Sbdvn of Blk 7, Cook & Branham Add'n, San Jose. Paul Laviano to A Bonacchi. June 19, 1916
June 22, 1916—LOT 13 BLK "B" Pauline Tract, Sunnyvale. James P Hurst to J H Bunney. June 20, 1916
June 16, 1916—NO. 1001 S-TENTH ST., San Jose. Frank Peres to whom it may concern. June 7, 1916
June 16, 1916—LOT 3 BLK 46, Palo Alto. John Duffield to whom it may concern. June 16, 1916
June 19, 1916—MORSE ST., bet. Fremont and Randall Aves, near San Jose. S F Bennett to whom it may concern. April 3, 1916
June 21, 1916—MARKET ST., near Julian, San Jose. Keystone Co to Z O Field. June 12, 1916

RELEASE OF LIENS.

SANTA CLARA COUNTY.

RECORDED AMOUNT
June 23, 1916—SE ¼ OF SEC 28 TP 7 S R 2 W, except 12 acres. Homer J Langdon to Margerita Gagliasso. \$510.69
June 28, 1916—BLK 68, Pope St. and Palo Alto Ave, Palo Alto. National Mill & Lumber Co to J M Moore, Currie & Currie and Arch Currie. \$752.50
June 28, 1916—BLK 68, Pope St. and Palo Alto Ave, Palo Alto. Gray-Thorning Lumber Co, \$683.10; S Ginsberg & Co, \$110; Harry B Morey & Sons, \$174.34; Gray-Thorning Lumber Co, \$75.25 to J M Moore, P O Olsen and Currie & Currie.
June 28, 1916—BLK 68, Pope St. and Palo Alto Ave, Palo Alto. R S Jewell, \$238.74; William McRae, \$57.50; Alexander McRae, \$65 to J M Moore
June 28, 1916—BLK 68, Pope St. and Palo Alto Ave., Palo Alto. Peter Olsen, \$254.05; Inlaid Floor Co, \$69.95; Duffield Lumber Co, \$97.42; Palo Alto Hardware Co, \$65.88; Plank Andrews, \$20; George H Bentley, \$38.9; Bennett Bros, \$94.75; William Southwood, \$196 to J M Moore

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

PLUMBING SYSTEM
BLK 99, City of Richmond. All work for erection, installation and finishing a sanitary plumbing system in Richmond High School.
Owner.....High School Board of Richmond.
Architect...James T. Narbett, 704 McDonald Ave., Richmond.
Contractor...A. A. Beckman, Sutter E of 5th St., Richmond.
Filed June 17, '16. Dated June 15, '16. On 1st Monday of each month.. 75%

Usual 35 days..... 25%
TOTAL COST, \$3223
Bond, \$1612.50. Surety, American Surety Co. of New York. Limit, forfeit, none. Plans and specifications filed.

BUNGALOW

LOTS 21 AND 22 BLK 130, City of Richmond Tract. All work for one-story bungalow.

Owner.....Thomas McDonough, 502 Standard Ave., Richmond.
Architect...None.
Contractor...J. A. Fagerstrom, 23 9th St., Richmond.
Filed June 20, '16. Dated June 19, '16.
Frame erected\$437.50
1st coat plaster on 437.50
Building completed 437.50
Usual 35 days..... 437.50
TOTAL COST, \$1750.00

Bond, limit, forfeit, none. Plans and specifications filed.

FRAME FLATS

BISSELL, bet. 7th and 8th Sst., Richmond. Two-story frame (4) flats.
Owner.....Carl Overaa, 1808 Roosevelt Ave., Richmond.
Architect...J. B. Ogborn, 464 13th St., Richmond.
Day's work. COST, \$6000

BRICK STORES AND ROOMS

THIRD AND MACDONALD AVE., Richmond. Two-story brick stores and rooms.

Owner.....J. W. Martin, Premises.
Architect...J. E. Ogborn, 464 13th St., Richmond.
Day's work. COST, \$6000

BUILDING CONTRACTS

MARIN COUNTY.

BARN, ETC.

REEDS, Marin County. All work for cow barn and milk house.

Owner.....Christian Armbruster.
Architect...None.
Contractor...John C. Reed.
Filed June 26, '16. Dated June 23, '16.
Frame up\$1030
Enclosed 1030
Completed 1030
Usual 35 days..... 1030
TOTAL COST, \$1420

Bond, \$2060. Sureties, B. Guthel and J. E. Brady. Limit, 65 days. Forfeit, none. Plans and specifications filed.

LIENS FILED

CONTRA COSTA COUNTY.

RECORDED AMOUNT
June 14, 1916—PTN OF BLK 330 of Welch Survey of Martinez. St. 1 Gibson vs Ludden & Lambley. \$72.73
June 24, 1916—LOT 13 BLK 1 Map of Austin Tract, Martinez. Sunset Lumber Co vs Martin Joost and Ludden & Lambley.....\$799.42

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
June 28, 1916—DILLON'S BEACH. N J Meyer to C Andrew....June 19, 1916

LIENS FILED

MARIN COUNTY.

RECORDED AMOUNT
June 28, 1916—SAN ANSELMO. Eugene Garibaldi et al vs Richard Leach\$410.25

BUILDING CONTRACTS

FRESNO COUNTY.

(CORRECTION)

THEATRE, ETC.

LOTS 11 AND 12 BLK 39, Fresno. All work for theatre and rooming house.
Owner.....M. D. Huffman, 565 Nielsen St., Fresno.

Architect...Glass & Butner, Republican Bldg., Fresno.
Contractor...R. Pederson & Co., 450 San Pablo St., Fresno.

Filed June 26, '16. Dated June 17, '16.
Foundations completed and 1st floor joists over theatre in place.....\$1439
Ceiling joists in place..... 1439
Walls up and roof on 1439
Interior plaster completed..... 1439
Completed 1439
36 days after..... 2399
TOTAL COST, \$5996

Bond, \$4798. Sureties, Geo. Larsen and Andrew Iversen. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRESNO COUNTY.

DWELLING

½ LOTS 2 AND 3 BL 2, Altamont Add'n Fresno. Dwelling.

Owner.....A. M. Fassett, 246 Effie St., Fresno.
Architect...None.
Contractor...Reese & Atkins, 743 Weldon St., Fresno.
COST, \$2000

THEATRE, ETC.

LOTS 11 AND 12 BLK 39, Fresno. All work for theatre and rooming house.
Owner.....M. D. Huffman, 565 Nielsen St., Fresno.

Architect...None.
Contractor...R. Pederson, 450 San Pablo St., Fresno.
COST, \$10,000

BUILDING CONTRACTS.

FRESNO COUNTY.

ALTERATIONS

1 AND KERN STS. Fresno. Alterations to store.

Owner.....W. J. O'Neill, 904 I St., Fresno.
Architect...None.
Day's work. COST, \$5000

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
June 26, 1916—LOTS 29 AND 30 BLK 4, College Add'n, Fresno. John G Porter to whom it may concern...
.....June 1, 1916
June 26, 1916—LOTS 1 AND 2 BLK 3 Fortcamp Add'n. No. 2, Fresno. Ralph W Woodward to whom it may concern.....June 24, 1916
June 22, 1916—LOT 55, Maple Park Tract, Fresno. Kenneth J Staniford to whom it may concern.....June 28, 1916
June 28, 1916—PTN LOT 7, Yoakum Tract, Fresno. Libby, McNeill &

Libby to whom it may concern...
.....June 3, 1916

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ALTERATIONS

SW K AND TENTH STS., Sacramento.
Plumbing, heating and electric wiring for alterations and additions to Hotel Land.

Owner.....Nettie E. Evans.
Architect...None.

Contractor...Latourette-Fical Co., 35th and Sacramento Sts., Sacramento.

Filed June 22, '16. Dated June 22, '16.
COS, \$10,586

PLUMBING

LOT 4 L M, 27TH AND 28TH STS., Sacramento. Plumbing for three-story and basement Class "C" lodge building.

Owner.....Scottish Rite Cathedral Association of Sacramento.

Architect...Carl Werner, Phelan Bldg., San Francisco.

Contractor...Hately & Hately, Builders' Exchange, Sacramento.

Filed June 26, '16. Dated June 16, '16.
COST, \$5382

ALTERATIONS

NO. 920 TWENTY-SEVENTH ST., on S ½ of N ½ Lot 5, I, J, 26th and 27th Sts., Sacramento. Remodel residence

Owner.....Mrs. W. L. Rutan, 918 27th St., Sacramento.
Architect...None.

Contractor...C. J. Hopkins, 1318 25th St., Sacramento.

COST, \$1000

ADDITIONS

SW TENTH AND K STS., Sacramento. Structural steel and cast iron bases and erection of same for alterations and additions to Hotel Land Bldg.

Owner.....Nettie E. Evans.
Architect...None.

Contractor...The Palm Bridge & Iron Works, 15th and R Sts., Sacramento.

Filed June 28, '16. Dated June 28, '16.
COST, \$4090

ADDITION

NO. 3825 I ST., Sacramento. Addition to dwelling.

Owner.....B. F. Driver, J St. Road, Sacramento.

Architect...None.

Contractor...McCullough, 1108 Yardley Ave., Sacramento.

COST, \$1000

NOTICE OF NON-LIABILITY.

SACRAMENTO COUNTY.

June 27, 1916—E ½ LOT 6 M, N, 2nd and 3rd Sts., NO. 221 N St., Sacramento. E S and O N Cronkite as to improvements on leased property

NOTICE OF NON-LIABILITY.

SACRAMENTO COUNTY.

June 27, 1916—LOT 3 of Dye Chinatown, Walnut Grove, Milo E. Sperry W Dye, Amy Brown and Carodon Dye as to improvements on leased property

RELEASE OF LIENS

SACRAMENTO COUNTY.

RECORDED

June 26, 1916—E ½ OF LOT 7, S, T, 11th and 12th Sts., Sacramento. Sacramento Lumber Co to J M and M Nevis and P F Reed.....\$500

AMOUNT

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

ALTERATIONS

NO. 210 E-MARKET ST., Stockton. All work for remodeling 2nd story of Stockton Labor Council.

Owner.....F. Pasche, Angels Camp, California.

Architect...Ralph P. Morrell, 12-13-14 and 15, I. O. O. F. Bldg., Stockton.

Contractor...G. A. La Riviere, 637 E-Lindsay, M. Hipellus, 39 S-California and V. Magers, Stockton.

Filed June 22, '16. Dated June 21, '16.

Partitions and floors in place...\$ 500

Plastering completed 1000

Interior wood trim and hardware in place..... 540

Usual 35 days..... 680

TOTAL COST, \$2720

Bond, \$1360. Sureties, Carlton Case and Javete. Limit, July 30, 1916. Forfeit, none. Plans and specifications filed.

SCHOOL

VERITAS SCHOOL DISTRICT, 3 miles south of Manteca. All work for two room school.

Owner.....Veritas School District, San Joaquin County.

Architect...Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Contractor...Dan Baysinger, —Manteca Ave., Stockton.

Filed June 21, '16. Dated June 19, '16.

Lumber delivered, frame up, \$1000.00

Plastering completed 1000.00

Exterior and interior finish of hardware 848.50

Usual 33 days..... 949.50

TOTAL COST, \$3798.50

Bond, \$1899. Sureties, J. J. Overshiner and Joshua Cowell. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SW OAK AND HUNTER STS., Stockton. Plumbing, sheet metal work and heating for two-story brick office building.

Owner.....Wagner Leather Co., Oak St., bet. Hunter & Edwards Sts., Stockton.

Architect...Joseph Losekann, San Joaquin Bldg., Stockton.

Contractor...Miller Hays Co., 135 N-California St., Stockton.

Filed June 17, '16. Dated June 14, '16.

Work roughed in.....\$600

Completed and accepted..... 213

Usual 35 days..... 260

TOTAL COST, \$1073

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ALL WORK EXCEPT PLUMBING, Sheet metal work and heating on above.

Contractor...J. F. Shepherd, 1031 W-Vine St., Stockton.

Filed June 17, '16. Dated June 14, '16.

Concrete walls and basement floor in\$2000

1st floor rough floor completed 2000
2nd floor joists on and 2nd rough floor in 2000
Roof completed and ready for roofing 2000
Usual 35 days..... 2242

TOTAL COST, \$10,942

Bond, \$3471. Sureties, I. F. Steen and J. H. Miller. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

NO. 522 E-AURORA ST., Stockton. All work for remodeling one-story frame building to make 4 2-room apartments.

Owner.....Joseph Johnson, 1311 S-Aurora St., Stockton.

Architect...None.

Contractor...H. L. Johnson, 1139 E-North St., Stockton.

Filed June 21, '16. Dated June 13, '16.

Frame set on concrete.....\$265.22

Plaster and rough plumbing in 265.22

Interior painted, plumbing in 265.22

30 days after.....Balance

TOTAL COST, \$1060.86

Bond, \$530.44. Surety, Maryland Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS

LOT 5 BLK 51, East of Center St., Stockton. All work for one-story frame (4) 2-room apartments.

Owner.....Joseph Johnson, 1311 S-Aurora St., Stockton.

Architect...None.

Contractor...H. L. Johnson, 1139 E-North St., Stockton.

Filed June 21, '16. Dated June 15, '16.

Payments not given.....

TOTAL COST, \$3270

Bond, \$1635. Surety, Maryland Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FOUNDATION, ETC.

MAIN AND SAN JOAQUIN STS., Stockton. Foundation and basement, driving concrete piles and excavation for two-story building.

Owner.....Farmers' & Merchants Bank, by P. J. Walker Co., Agents, Monadnock Bldg., San Francisco.

Architect...Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor...Andrew Lynch, 185 Stevenson, San Francisco.

Filed June 26, '16. Dated June 23, '16.

Semi-monthly payments of.... 75%

TOTAL COST, \$17,500

Bond, \$8750. Surety, Aetna Accident & Liability Co. Limit, August 20, 1916. Forfeit, \$50 per day. Plans and specifications filed.

NEW BOND ISSUES IN CHILE.

The Congress of Chile has authorized the President to arrange within a year for an internal loan of 20,000,000 gold pesos (\$7,300,000), to be covered by an issue of bonds drawing not more than 6 per cent annual interest, and with cumulative annual amortization of not more than 4 per cent. The terms of the bond law, as published in the Diario Oficial of May 2, provide that part of this loan may be contracted in treasury gold notes or warrants (vales), at 6 per cent, payable in five years, one-third of the principal to be paid in each of the last three years. The proceeds from these bonds are to be used in pushing to completion the water-works system of Santiago, in paying

for the port works at Valparaiso and San Antonio, and in the construction of ships as authorized by the budget law of the present year.

HUMBOLDT PLANS HIGHWAY SYSTEM.

EUREKA, Cal.—The supervisors of Humboldt county have called an election on August 29 on the question of voting bonds for \$1,500,000 for good roads. The plans called for the construction and improvement of 293½ miles of roads, of which 52½ miles will be paved, at an estimated cost of \$1,420,000, which, with rights of way, engineering, legal and overhead expenses will amount to \$1,500,000.

STATE PAVES 1500 MILES OF ROAD UNDER BOND ISSUE.

Under the \$18,000,000 bond issue for road improvements in California, the State Highway Commission has improved 1490 miles of road.

Concrete pavement covers 928 miles out of the 1490. Oil macadam was used on 129 miles of the state highway, while thirty-three miles were constructed of asphalt and 395 merely graded. There were 108 additional miles of paved roads improved by the different counties which the state highway commission took over.

The general survey of the work accomplished to date shows that 2280 miles of roadway have been surveyed as the main trunk lines of the state highway, besides a large number of laterals that are to be constructed if the proposed \$15,000,000 bond issue carries. The commission also has secured 1705 miles of right of way.

Since it began work the commission has moved 11,750,000 cubic yards of earth and rock, at an average cost of 38 cents per yard; 8,750,000 square yards of concrete pavement have been laid at an average cost of 74½ cents per yard; 1,000,000 cubic yards of concrete pavement have been put down at a cost of \$6.64 per cubic yard; 143 grade crossings have been eliminated. 200 miles have been saved on trunk lines, and 443 bridges have been built, valued at \$3,450,000.

Eliminating advance surveys and materials on hand, out of every dollar expended, 87½ cents went directly into the roads, materials bought at "rock-bottom" prices and contracts let under keen competition.

HOW THE CONTRACTOR CAN ADVERTISE AND GET RESULTS.

"How can a general contractor advertise?"

Which, of course, means, how can he obtain the right kind of publicity, the kind that will do more than fill advertising space and cost money—in a word, the kind that "pulls?"

The principles of advertising are the same whether you are endeavoring to sell books, bricks or office buildings, or seeking to get your name on the architects' lists. The only things that change are the manner and methods of publicity. A general contractor must, therefore, adopt methods suitable to his own particular business, which, by the way, is decidedly different from any other type of business, and must have its advertising done and copy written

by men who understand, in a most comprehensive manner, the details and intricacies of the building trade.

Then, again, the advertising must be of a two-fold nature, inasmuch as its appeal must reach both architects and owners—two different types of men, and in most cases with very little in common, so far as their training is concerned. To the architect, the builder's advertisement must appeal with such riveting force as to be ever before him. If not in a physical manner, at least mentally it must make a little dent in his mind and "ring the bell" at the psychological moment when the architect is making up his list of bidders, and the nearer the top of the list, the better his chance of always being among the favored few.

You, Mr. Builder, may say that you already do enough estimating and are now working overtime trying to land jobs. Are you on the lists of all the prominent architects, the men for whom you would like to estimate? Are you in a position to select the good prospects and avoid the poor ones? In a word, are you competing against men who do the same caliber of work that you are doing, or are you forced out of your class because you are not on the chosen lists? If you can not answer these questions to your entire satisfaction, then you are ready for serious thought on the question of advertising.

PACKING HOUSE FOR FOWLER.

FOWLER, Cal.—The California Associated Raisin Company has purchased two acres of land near Fowler and will construct a packing house upon it. It is stated that a plant to cost \$20,000 will be built immediately. About 200 hands will be employed there during the season.

CLEAN MILK SAVES LIVES OF CHILDREN.

During the summer months more young children die of intestinal diseases, most of which are caused by drinking dirty milk, than during all the rest of the year. The records of the California State Board of Health shows that in June, July, August and September of 1915, three hundred and fifty children under two years of age died of diarrhea and enteritis, while three hundred and forty-two died during the other eight months. Had the new milk law been in operation last year, it is probable that a large number of these deaths would have been prevented. Since this law does not go into effect until October, the California State Board of Health issues a warning to all parents, particularly to those having children under two years of age, to exercise the greatest care in making certain that milk during the summer months is pasteurized or is produced under conditions of scrupulous cleanliness.

Infant mortality is showing a decrease in California; in fact, the death rate for young children is much lower in California than in most other states. By properly safeguarding milk supplies, this rate can be reduced still further.

PROSPECTIVE BIDDERS ON VAN-COVER POST OFFICE.

A list of proposed bidders on the new \$150,000 Vancouver, Wash., post office building, for which figures close July 14, to date includes:

King Lumber Co., Charlottesville, Virginia.

Welch Bros. & Hannaman, Kalispell, Mont.

John Wallen, Tacoma, Wash.

Sound Constr. & Engineering Co., 72 Union St., Seattle, Wash.

Grant Fee, 2440 16th St., San Francisco.

George Isackson, Worcester Bldg., Portland, Ore.

Pearson Constr. Co., 754 New York Bldg., Seattle, Wash.

Hans Pederson, Alaska Bldg., Seattle, Wash.

Campbell Bldg. Co., Salt Lake City, Utah.

Frieberg & McLennan, Portland, Ore.

Boydjohn-Arnold Co., Portland, Ore.

F. A. Erixon, Corvallis, Ore.

Harrington & Peters, Seattle, Wash.

START WORK ON BIG STREET CONTRACT.

STOCKTON, Cal.—Clark & Henery began work on their \$61,866.44 street improvement job recently. The contract calls for the improvement of a district in east Stockton bounded by East street, Hazel street, Church street and Fair Oaks Ave. Asphalt macadam is to be used for paving the streets, and concrete walks, curbs and gutters are called for. There will be thirty-one blocks improved under this contract. Alleys are to be graveled and curbed.

HOW THE GOVERNMENTS AID SHIPPING.

WASHINGTON, D. C. — American shipping now has an opportunity such as England had 50 years ago, according to a report on "Government Aid to Merchant Shipping" just made public by the Bureau of Foreign and Domestic Commerce. This opportunity, says the report, comes at a time when American citizens owning foreign-built ships can ply them under the American flag, when interest in foreign trade is widespread, the necessity for foreign markets clearly recognized, and the profitability of shipping under present conditions is alluring.

The report was written for the Bureau by Special Agent Grosvenor M. Jones, author of several recent works on shipping, and is the only recent work which covers the subject completely. It is one result of the present widespread discussion of ways and means of building up an American merchant marine. It aims to make clear just what the several governments have done to assist shipping. The information presented covers all forms of state aid to shipping, attention being called not only to subsidies and subventions, but to the various forms of indirect government assistance, such as the reservation of the coasting trade to national ships, exemptions from import duties, port dues, and taxation, the privilege of using foreign-built ships, preferential railroad rates, and loans to ship owners.

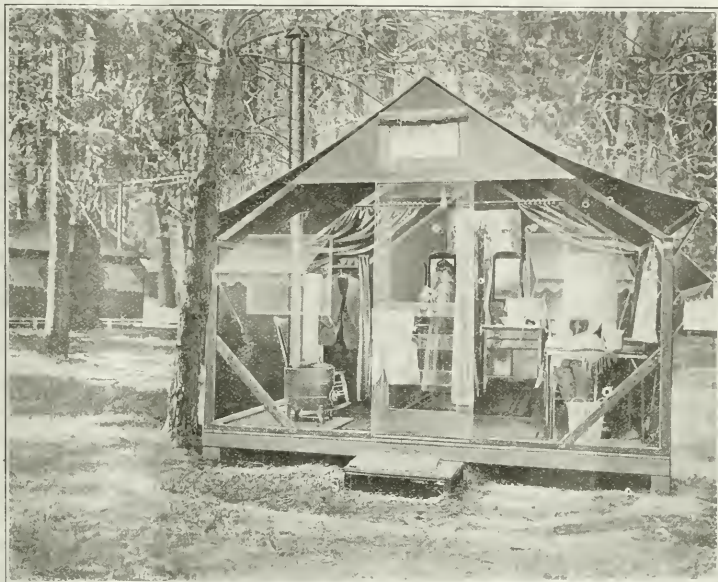
The reservation of coasting trade to national ships is one of the effective ways in which governments have help-

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

ed their merchant marine, says the report. The United States, France, Italy, Austria-Hungary, Spain, and Belgium, among the more important maritime countries, have long reserved their coasting trade, while Japan has reserved all of its coasting trade only since 1920. Russia has long reserved the trade between Russian ports on the same sea, but it was not until 1897 that the trade between all Russian ports was restricted to Russian ships.

For many years no country of importance other than the United States has required that ships flying the national flag shall be of domestic construction, although practically every country has made this requirement in the case of steamships receiving postal subventions. England has granted registers to foreign-built ships, in other words has pursued the free-ship policy, since about 1850. At that time, it is interesting to note, wooden sailing vessels were pre-dominant and these could be secured more cheaply in the United States, which had larger supplies of timber and naval stores and a more efficient ship-building industry. As a result of this free-ship policy the merchant marine of England received large accessions during the Civil War, when more than 750,000 tons of American shipping secured English registers to avoid capture or destruction.

Assistance in the form of lower rail rates on goods shipped over specified steamship lines is a practice that has been followed in Germany in the case of the German Levant and the German East Africa Lines. These differentials have a double purpose, since by enabling German manufacturers to sell their products at lower prices in the countries reached by these lines they develop German trade and at the same time increase the traffic on the preferred steamship lines. France also has made use of differential export railroad rates to assist the development of certain steamship lines as well as to increase the country's foreign trade.

The policy of granting loans to ship-owners at low interest or without interest was begun, it is believed, by Austria. The only instance of such a loan by the British Government was that to the Cunard Steamship under the mail and admiralty subvention contract of 1903. Under this contract the British Government loaned the steamship company \$12,652,900, for building two steamers that would be suitable for use by the admiralty and be the fastest afloat. This loan brought into being the *Lusitania* and *Mauretania*. The loan was made at the rate of 2½ per cent which was about 2 per cent lower than the rate at which the company could have borrowed a similar amount in the open market.

Denmark and Belgium are the only important countries that have extended aid to shipping by granting exemptions from port dues or making reimbursement for them, although Denmark withdrew this privilege from the favored lines in 1910. It is interesting to note that Belgium for many years previous to the war reimbursed the North German Lloyd, the Kosmos Line, and the United Steamship Company of Copenhagen for all pilotage fees, port dues, etc., paid to the Belgian and Dutch officials.

The policy of granting indirect aid to shipping by reimbursement of canal dues was instituted by Russia in 1879. This practice has been extended from time to time and now provides for the reimbursement of the full amount of the canal dues paid by Russian steamers bound for a sailing from any Russian port in the Far East and for a reimbursement of two-thirds of the full dues paid by Russian steamers bound for or sailing from ports on the Indian Ocean and non-Russian ports on the Pacific Ocean. In the period from 1879 to 1906 the Russian Government expended about \$1,400,000 in reimbursement of Suez Canal dues. The Austrian Government makes a reimbursement of Suez Canal dues paid by steamers of the Austrian Lloyd. The Swedish Government is under contract to reimburse the Swedish East Asiatic Company for 60 per cent of the Suez Canal dues paid in 1915, 55 per cent of those paid in 1916, and 50 per cent of those paid in 1917. Italy refunds all Corinth Canal dues paid by the ships of the Società Nazionale di Servizi Marittimi. The French Government reimburses the Compagnie des Messageries Maritimes for Suez Canal dues.

Exemption from taxation is a form of indirect assistance granted by only Austria-Hungary and by a few of our own States. A notable law in New York State exempts from all taxation for State and local purposes all American-owned ships registered at any port in the State if engaged in the foreign trade of the United States. Corporations owning such ships are exempt until December 31, 1922, from all taxation upon their stock, franchises, and earnings. Alabama exempts all ships engaged in foreign commerce from taxation, while the State of Washington exempts all ships built or in process of construction in the coastwise as well as in the foreign trade of the United States.

The granting of postal subventions to steamship lines antedates the bounty or subsidy system and is in more general use throughout the world. Great Britain was probably the first to pay subventions of this kind, the first contract of the sort being in 1838. The United States and France soon followed suit—the United States in 1847 and France in 1851. Germany did not adopt the policy until 1886, when a contract with the North German Lloyd was concluded. The purpose of mail subvention contracts is primarily to encourage the maintenance of fast mail service on regular routes and schedules. In many instances a motive of almost equal weight is that of maintaining the fastest possible communication between the mother country and her colonies. Incidentally a third object is commonly achieved, namely, that of providing vessels suitable for auxiliary cruisers and transports in time of war, and, in many cases a fourth object, namely, that of fostering the domestic ship-building industry by requiring that the subventions shall be paid only to domestic-built ships. The purpose of the large grants made by the British Government was not, however, merely to assist in the establishment of a steamship line for the line's sake, but more particularly to promote rapid communication between England and

her American and Australian possessions. With only two important exceptions, all financial aid extended by the British Government has been in the form of postal and admiralty subventions. The United States and Germany, whose merchant navies rank next to that of Great Britain, have extended financial aid to shipping only in the form of mail subventions. The largest of the German companies—the Hamburg-American line—has received comparatively little financial assistance from the German Government.

The system of paying direct general bounties or subsidies to shipping lines may be said to have been instituted by France, which entered upon this policy in 1881, and has made a more extensive use of bounties than any other country, although as a whole the results have not been satisfactory. Italy, Austria-Hungary, Japan, and Spain have followed the French plan, with indifferent success except in the case of Japan. Unquestionably the merchant marine of Japan has developed more rapidly during the last 35 years than that of any other nation, although the report calls attention to the fact that this development is in part due to the phenomenal development of Japanese industries in recent years.

There is much interesting matter in the report relating to government-owned steamship lines state control of privately owned steamship lines, and state participation in profits of steamship lines. For each country included in the report there is a complete history of government relations with the merchant marine, with statistics to show the results of the various policies. Modern tendencies are discussed at length. Attention is called to some specific opportunities that now exist for American shipping. For example the west coast of South America imports large quantities of coal from Australia and Wales. Since the construction of the efficient coal-carrying railroads, such as the Norfolk and Western, the Chesapeake and Ohio, the Virginian, and the Carolina, Clinchfield and Ohio, Virginia steam coal of excellent quality can be delivered at low cost at the Atlantic seaboard ports of Norfolk, Newport News, and Charleston, where it can be delivered to vessel quickly, efficiently, and at low cost. It is believed that increasingly large quantities of this coal can be sold in Chile and Peru at lower cost than Australian or Welsh coal. If this proves to be the case, the vessels carrying coal from the United States can return with nitrates from Chile, copper from American-owned mines and smelters in Chile and Peru, tin ore from American-owned mines in Bolivia, and iron ore from American-owned mines in Chile. The development of coal exports would cause reductions in return freights (a factor which goes far toward accounting for the maritime supremacy of Great Britain) and an extension of American shipping.

The report is entitled "Government Aid to Merchant Shipping," Special Agents Series No. 119. It contains in all 255 pages and is sold at the nominal price of 25 cents by the Superintendent of Documents, Washington, and by the District Offices of the Bureau of Foreign and Domestic Commerce.



LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point. Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:30A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY
Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co., S. P.'s People's
Express Co., Oakland.

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train
service between Bay Cities
and points in the Sac-
ramento Valley.

Thru beautiful Redwood
Canyon and Mt. Diablo
country.

Write for illustrated folder
and time table.

Oakland, Antioch & Eastern Railway

L. H. RODEBAUGH
Traffic Manager
Oakland, - Cal.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker,
2156 Telegraph Ave.; dealer in ma-
hogany, antique and all kinds of
furniture; repairs and polishing;
Telephone Oakland 1735.

SOME WASTE MATERIAL NOT WASTED.

**Metal Valued at \$114,000,000 Recovered
From Scrap Metals and Drosses.**

The value of the copper, lead, zinc, tin, aluminum, and antimony recovered in the United States from scrap metals, skimmings, and drosses in 1915 was \$114,304,930, against \$57,039,704 in 1914, a 100 per cent increase. This large gain was caused by greater recoveries and much higher average values for all metals. Increased traffic on the railroads and a large demand for metal products, particularly for those to be exported, made 1915 the most prosperous year in the waste metal trade.

The imperative demand for zinc and copper by munition manufacturers and for foreign trade made spot metal very scarce. Secondary metals not desired for these purposes were generally available for domestic uses when virgin metal could not be purchased for prompt delivery. The incentive of high prices caused all metal wastes to be more carefully saved, segregated, and refined. Many manufacturers who had considered virgin metals only as suitable for their needs found that they could use considerable scrap provided they selected suitable material and used good judgment in its treatment.

The increase output of secondary tin, lead, and aluminum, says a statement issued by the United States Geological Survey, was normally to be expected under the improved conditions of business, and the proportionally larger increase in the recoveries of zinc, copper, and antimony were due in part to the foreign demand for pig metal or for manufactured goods containing the metals named.

The output of secondary copper, including that in brass and other alloys, was 196,000 tons in 1915 against 128,000 tons in 1914. The value of this copper and brass amounted to more than \$70,000,000.

The secondary lead recovered in 1915, including that in alloys, was nearly 79,000 tons, an increase of 28,000 tons, a quantity exceeded by the primary domestic output of only three States—Missouri, Idaho, and Utah.

The amount of secondary zinc recovered in 1915 was 92,575 tons, of which 29,764 tons were recovered by redistribution from drosses and skimmings. At least 4,000 tons of zinc chloride and 46,000 tons of lithopone were manufactured. The zinc used in these products is derived mainly from zinc drosses and skimmings.

The output of secondary tin increased from 12,447 tons in 1914 to 13,650 tons in 1915 and was equal to 24 per cent of the tin imported as metal or as oxide into the United States.

The average price of antimony was abnormally high and the secondary recoveries in 1915 amounted to 3,102 tons, valued at \$1,811,568, an increase in quantity of 355 tons and in value of about \$1,367,000.

Aluminum was both scarce and very high priced the later part of 1915 and the secondary metal recovered, 8,500 tons, was valued at \$5,802,000.

CONTRACTORS NOT CITIZENS; PAY HELD UP.

AUBURN (Placer Co.)—Because they are not citizens of the United States, Herald Brothers, building contractors, will be prevented, according to the opinion of District Attorney J. B. Landis from collecting pay for work they have been doing and were to do on the Placer Union High School building.

The Trustees of the school ordered the dome of the building removed to improve the appearance of the structure and stop leaking. The Herald Brothers were given the work by the day. Ogden Brothers, other contractors, made complaint to the District Attorney, and he has notified Auditor C. D. McKinley and the School Board that it is illegal for the Herald Brothers to do the work, because they have not been naturalized.

Herald Brothers state that they were to have secured their final naturalization papers on May, but did not do so, and will be unable to secure them until Fall.

SOLDIERS WILL RETAIN POSITIONS.

The Southern Pacific Co. announces that those of its employes who were members on June 17, 1916, of the National Guard of any State its lines traverse, and who are called out for army service are granted leave of absence with the understanding that they will retain their promotion rights and they can resume their positions with the company when the Government relieves them from service.

While such employes are serving in the army in response to the call of the Government, the Company will also allow, until September 30th of this year, to enlisted men, whether non-commissioned officers or privates:

1. To those married, full pay.
 2. To those unmarried, with families dependent upon them for support, three-quarters to full pay, according to controlling circumstances.
 3. To those unmarried, without dependent families, half pay.
- The Company will allow to commissioned officers above and including the grade of second lieutenant:

CHANGES IN SOUTHERN PACIFIC COMPANY.

Vice-President and General Manager W. R. Scott of the Southern Pacific Company has announced the following changes and appointments, effective July 1st.

Assistant General Manager D. W. Campbell to be in charge of the Southern District, with headquarters at Los Angeles. Mr. Campbell now has charge of the Northern District, as Assistant General Manager, with headquarters at Portland, Oregon.

Superintendent J. H. Dyer of the Sacramento Division is appointed Assistant General Manager in charge of the Northern District, with headquarters at Portland, Oregon, to succeed Campbell.

Superintendent J. D. Brennan of the Western Division, now having headquarters at Oakland Pier, will be Superintendent of the Sacramento Division to succeed Dyer.

Superintendent T. H. Williams of the Tucson Division will become Superintendent of the Western Division, with headquarters at Oakland Pier.

Assistant Superintendent J. W. Fitzgerald of the Western Division will become Superintendent of the Tucson Division, with headquarters at Tucson, Arizona.

J. H. Dyer, the new Assistant General Manager, has served successively as Superintendent of the Shasta, Tucson and Sacramento Divisions.

NEW ROOFING COMPANY.

RIVERSIDE, Cal.—M. W. Anable, F. M. Anable and Harry E. Courtney, all of Riverside, are directors in the new Granite Grit and Roofing Company, articles of incorporation of which have been filed in the county clerk's office. The principle place of business of the company is Riverside. The capital stock totals \$24,000 of which \$300 is already subscribed.

PUBLIC HEARING ON BOILER SAFETY ORDERS.

The Industrial Accident Commission has arranged for a Public Hearing to consider Tentative Boiler Safety Orders in San Francisco on July 6, 1916, in Room 407, Underwood Building, 525 Market Street, commencing at 10 A. M.

A similar Public Hearing will be held in Los Angeles on July 13, 1916, in Room 405 Union League Building, commencing at 10 A. M.

In 1915 there were in the State of California 7 deaths due to accidents around boilers. The records show that there were nine boiler explosions during this period.

A careful compilation of all the boiler explosions recorded in the United States during the year 1915 shows the total number to have been 404. These explosions caused 132 deaths and injuries to 236 persons.

The Tentative Boiler Safety Orders cover the subjects of inspections, ultimate strength of material used in computing joints, minimum thickness of plates and tubes, specifications of metals used in building boilers, construction and allowable working pressure for power boilers, riveting, calking, requirements for manholes and washout holes, safety valves, water and steam gages, fittings and appliances, hydrostatic tests, etc.

The Boiler Code of the American Society of Mechanical Engineers has been incorporated and made a part of the Tentative Orders, with a few changes affecting existing installations only.

Copies of the Tentative Boiler Safety Orders will be sent upon request, if application is made to the Industrial Accident Commission, 525 Market Street San Francisco.

The following Committees in San Francisco and Los Angeles prepared the Tentative Boiler Safety Orders:
San Francisco Sub-Committee on Boiler Safety Orders.

George A. Armes (Chairman), representing the Union Iron Works, as manufacturers of Boilers.

E. R. Killgore, representing the Standard Oil Company, as users of Boilers.
J. B. Warner, representing the Hartford Steam Boiler Inspection and Insurance Company.

D. P. Delury, representing San Francisco Board of Public Works.

M. J. McGuire, representing Boiler Makers and Ship Fitters Union.

P. L. Ennor, representing the International Union of Steam and Operating Engineers, Local No. 64.

(W. R. Towne, Alternate to Mr. Ennor), International Union of Steam and Operating Engineers, Local No. 64.

Chas. A. Smith, representing California Metal Trades Association.

John Mitchell, representing the International Union of Steam and Operating Engineers, Local No. 507.

R. L. Hemingway, Safety Engineer, Industrial Accident Commission.

John R. Brownell (Secretary) Superintendent of Safety Industrial Accident Commission.

Los Angeles Sub-Committee on Boiler Safety Orders.

Fred J. Fischer (Chairman), representing the National Association of Steam Engineers No. 2.

H. L. Doolittle (Vice-Chairman), representing the Southern California Edison Company.

J. J. Malone, representing the Hartford Steam Boiler Inspection and Insurance Company.

William H. Carter, Chief City Boiler and Elevator Inspector, representing the City of Los Angeles.

S. M. Walker, representing the Pioneer Boiler and Machine Works.

J. L. Glennon, representing Fidelity and Casualty Company of N. Y.

N. E. Carroll, representing Steam and Operating Engineers No. 72.

E. C. Jordan, representing the Firemen's Local No. 220.

H. L. Boyd (Secretary), Safety Engr., Industrial Accident Commission.

WOOD WASTE USED FOR PULP.

WASHINGTON, D. C.—The use of a steadily increasing amount of wood waste in the manufacture of pulp is indicated by figures compiled by the Forest Service. Although the pulp industry showed a decline in the last year for which complete figures are available (1914) on account of the increasing cost of raw material and general business conditions, more wood waste was used than in any previous year.

Approximately 330,000 cords of waste with a value of \$1,400,000 were utilized by 35 of the 200 pulp and paper mills of the United States. It is thought that as the price of cordwood goes up the amount of wood waste used will become greater.

The Canadian pulp industry has, it is stated, had a vigorous growth during the last few years and the greater portion of its product is marketed in the United States. An average cost of about \$6.50 per cord, as compared with the \$10 to \$16 per cord which many manufacturers in this country are paying for pulpwood, is the reason given for the growth.

It is pointed out that the development of the supplies of spruce, and white and red fir in the National Forests of the West and in Alaska, together with the abundance of cheap water power, will eventually attract the paper industry to locate in those regions. Suitable pulp timber can be delivered to desirable mill sites for the next twenty to forty years at prices of about \$2.50 to \$4 per cord, say experts of the Forest Service. It is thought

that the low price of material and power will more than offset the higher freight rates on the product to the Eastern markets.

SOUTH AFRICAN RAILWAY AND HARBOR ESTIMATES.

CAPE TOWN—Estimates of the expenditures on capital and betterment work of the South African railways and harbors for the fiscal year ending March 31, 1917, have been published. The estimated amounts and the objects are: Construction of railways, \$1,826,353; new works on open lines, \$5,075,163; rolling stock, \$73,204; harbors, \$867,016; working capital, \$140,253; unforseen works, \$364,958; total, \$8,347,816.

Under "new works on open lines," the principal objects are bridges and culverts, permanent way, signals and interlocking, buildings, fixtures and grounds, water supplies, coaling plants, tarpaulins, and machinery.

BRIDGE PLANS ADOPTED.

PLACERVILLE—The Supervisors have approved and adopted the plans and specifications submitted by A. V. Saph of Berkeley for a road bridge costing \$10,000 or less, to be built across the American River at Coloma at the site of the old foot-bridge. Bids will be called for shortly.

NEW INDUSTRIAL SCHOOL FOR CHILE.

The Chilean Government has authorized the expenditure of 300,000 pesos (\$42,000) for the construction of a technical industrial school, with equipment of machines and laboratories. The funds for this school will be available, in accordance with the law published in the Diario Oficial of April 27, upon the sale of certain Government lands in the port of Valparaiso.

CITY-PLANNING CONFERENCE IN CLEVELAND.

The Eighth National Conference on City Planning was held in Cleveland under the auspices of the committee on municipal art and architecture of the Cleveland Chamber of Commerce, June 5, 6, and 7. The conference was attended by several hundred members from almost every state in the Union and from the Dominion of Canada and Berlin. A luncheon was given at the Chamber of Commerce on the second day of the conference, attended by several hundred members of the chamber in addition to the delegates, and addressed by Mr. Thomas Adams, of Ottawa, Canada, on "Town Planning for the Manufacturer." Several other interesting addresses were given during the conference, which was considered one of the most instructive and useful in the history of the association.

CANCELLATION OF BUILDING CONTRACT.

June 26, 1916—SW PARKER AND Benvenue Ave., Bkly. Owner, Mrs. M. A. and Miss B. Lindblom with Frank A. Ernsberger, contractor. Cost, \$5660. Contract filed March 16, 1916.



Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 27

Publication Office,
560 Mission St.

San Francisco, Cal., July 12, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, **58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.**
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

Larsen Construction Reports

Advance Information as to Construction and Engineering
work covering the entire Pacific Coast.

INDIVIDUAL SERVICE
ISSUED DAILY
INDISPENSIBLE

CLASSIFICATION

ENGINEERING

Waterworks
Street Work
Road Work
Sewers
Irrigation
Drainage
Bridges
Railroad Work
Harbor Work
Lighting Systems
Dredging
Power Plants

Warehouses
Loft Buildings
Apartment Houses
Factories
Hospitals
Schools
Churches
Jails
Theatres
Flats
Residences,

BUILDING

Steel Frame Buildings
Brick Buildings
Reinforced Concrete Buildings
Frame Buildings
Post Offices
Court Houses
Office Building
Banks
Hotels
Government Work
Light Houses
Barracks

Tel. { Douglas 2371
 { Douglas 2372

560 Mission Street, San Francisco

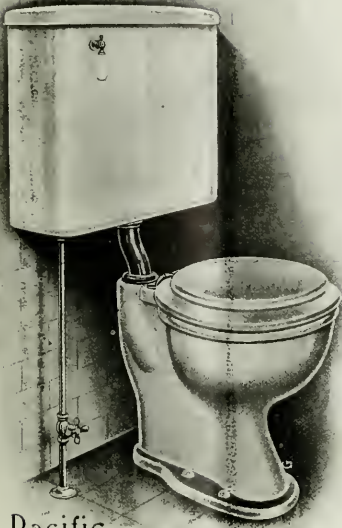
"Running water cannot be further stilled."

Kwy-eta eliminates the embarrassing noise of rushing and gurgling water that your customers wish suppressed.

It cannot be heard outside the closed closet door.

Kwy-eta is an attractive well built closet that will give years of service without the necessity of constant repairs.

Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.



Pacific

"Pacific"



Plumbing Fixtures

Showroom and Main Offices
67 New Montgomery St.
San Francisco, Cal.

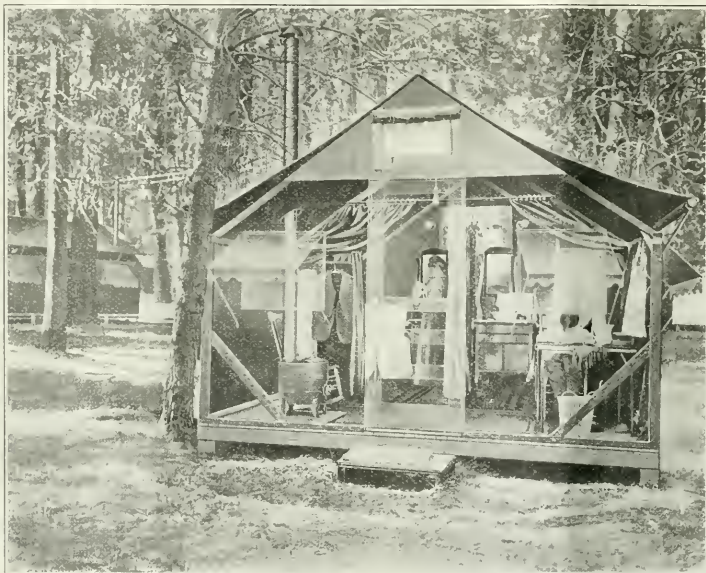
Factories,
Richmond,
California.

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, July 12, 1916

Sixteenth Year, No. 28



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LAIRSON,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
500 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	
Apartment Houses	4
Bonds	4
Bridges, Dams and Harbor Work	4-5
Building Contracts Let and Recorded.....	16 to 21
Churches	21
Completion Notices.....	20 to 21
Factories and Warehouses.....	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	13
Garages	5
Government Work and Supplies.....	5-6
Halls and Society Buildings.....	6
Hospitals	6
Irrigation and Reclamation Projects	6
Liens and Releases.....	20 to 21
Los Angeles and Southern California	14-15
Marin, Contra Costa and Sonoma Counties	12-13
Oakland and Alameda County.....	11-12
Portland and Oregon	15
Residences	6-7
Sacramento, Stockton and Northern California	13-14
San Francisco	11
San Jose and the Santa Clara Valley	12
Schools	7
Sealed Proposals	9-10
Seattle and Washington	15
Sewers and Street Work.....	7-8-9
Stores and Offices	9

Merchants Declare For Open Shop.

Pledge Themselves to Halse Fund of Combat Conditions That Came From \$1,000,000 With Which They Will Water Front Strike.

Statement Made That Purpose Was to Enforce Right of Any Employer to Hire Union or Non-Union Labor as He Chose.

Pledged to raise a fund of \$1,000,000 to carry out the purpose to which it is committed, a Citizens' Law and Order Committee, created to enforce the right of employers to hire union or non-union labor as they may elect, was named at a meeting of representatives of the business interests of the city Monday afternoon.

The gathering, composed of more than 1,000 men, active in the industrial life of San Francisco, was the direct result of the present longshoremen's strike. It was called by the Chamber of Commerce to adopt means for ending the critical situation on the waterfront. It was held on the floor of the Merchants' Exchange.

Within half an hour after the Law and Order Committee met and organized with Frederick J. Koster, president of the Chamber of Commerce, as permanent chairman, it announced that a sum in excess of \$200,000 had been subscribed.

The members of the Law and Order Committee are: Frederick J. Koster, Wallace M. Alexander, George M. Rolph, C. F. Michaels and C. R. Johnson.

Mayor Rolph was several times mentioned by the speakers who addressed the meeting and who were frankly condemnatory of the municipal administration for its handling of the stevedores' strike.

Unanimously, the meeting adopted the following resolutions:

RESOLVED, that it be the sense of this meeting that the permanent policy adopted by the San Francisco Chamber of Commerce, demanding that the integrity of all contractual relations between employers and employees be scrupulously observed, for the maintenance of law and order, and insisting upon the right to employ union men in whole or in part as the parties involved may elect, be unqualified and heartily indorsed, and that the chamber be encouraged to pledge its entire membership that its policy be made effective in this community;

RESOLVED, that the president of the Chamber of Commerce appoint a committee of five, including himself as chairman, to be known as the law and order committee of the San Francisco Chamber of Commerce, with full power to act; to immediately proceed to appoint such sub-committees as it may deem necessary and advisable; to immediately proceed to raise such a sum of money as may be necessary to carry on this work to a successful conclusion, and he it further

RESOLVED, as the sense of this meeting that every merchant and business man present pledge himself to support this movement to the fullest extent.

The resolution was an indorsement of the statement issued by the Chamber of Commerce on June 22, wherein it said:

The Chamber of Commerce favors the open shop. * * * Therefore the Chamber of Commerce pledges its entire organization and the resources it represents to the maintenance of these principles and will oppose any attempt on the part of any interest, business or organization which tries to throttle the commercial freedom of San Francisco.

The speakers were Koster, Frank B. Anderson, president of the Bank of California; Phillip S. Teller, president of the California Fruit Cannery Association; Captain Robert S. Dollar, shipowner; William Sproule, president of the Southern Pacific, and William M. Alexander of Alexander & Baldwin.

The gist of what each speaker said was that there is a condition of lawlessness on the San Francisco waterfront, that business is tied up because the authorities entrusted with the preservation of law and order have not done their duty, and that, therefore, it is up to the citizens of the city to see to it that the law is enforced and the congestion of business on the waterfront caused by the longshoremen's strike is immediately relieved.

Koster, who called the meeting to order, branded conditions on the waterfront as "intolerable" and the manifestation of a "disease that is permeating this community." He declared that "in spite of assurance given by the mayor, the president of the Police Commission and the Chief of Police that law and order would be maintained, outrages have occurred daily during the strike."

He and other speakers said there was no desire to make a fight against unions as such. But they did make it clear that the million dollars to be raised would be devoted to the enforcement of the "right of an employer to hire union or non-union labor."

The meeting was a demonstrative one. The speakers frequently were interrupted by cheers and applause.

Koster read two permits issued by John J. Murphy, president of the Riggers' and Stevedores' Union, to drivers of wagons permitting them to pass through picket lines to remove freight.

One of these permits was granted to the driver of a United States treasury wagon.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 5 story and base. Class C construction, \$60,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, O'Brien Bros. Location, south Bush 239½ west of Powell. Will contain seventy apartments. Plans complete and segregated figures being taken.

SAN FRANCISCO—Apartment house alterations, 3 story, frame. Cost not stated. Architects, Foulkes & McIndraud, Crocker Bldg., S. F. Owner's name not given. Location, near 16th street. Plans being prepared.

OAKLAND, CAL.—Apartment house, 5 story and base, frame, \$14,000. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner's name withheld. Location, Staten and Belmont streets. Will contain six four-room apartments. Plans complete and segregated figures being taken.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$85,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners, Gerard Investment Co. Location, southeast Hyde and O'Farrell, covering an area of 70 by 70 feet. Will contain four stores and 35 apartments. Plans complete and segregated figures being taken.

OAKLAND, CAL.—Apartment house 2 story and base, frame, \$5,000. Architect, none. Owner, Richard Oates, 1580 Vista street, Oakland. Location, northeast corner East 58th and Division. Will contain 11 apartments. Plans complete and work to be done by Day Labor.

Contracts Awarded.

LOS ANGELES, CAL.—Apartment house, 4 story and base. Class C construction, \$88,000. Architect, J. F. Kavanaugh, Union Oil Bldg., L. A. Owners, Mrs. Ella H. Potts and Mrs. Rowena T. Caruthers. Contractor, A. S. Barnes, Union Oil Bldg., L. A. Contract price, \$88,000.

BONDS

WATSONVILLE, SANTA CRUZ CO., CAL.—The County Board of Supervisors has sold the grammar and high school bonds. The sale provides for the erection of a \$100,000 high school and a \$25,000 grade school. Architects will be commissioned to prepare plans shortly.

WOODLAND, YOLO CO., CAL.—The Supervisors have passed an ordinance authorizing the sale of the \$200,000 courthouse bond issue. The proceeds of the sale will finance the erection of a new courthouse building, plans for which have already been prepared by a San Francisco architect.

FOLSOM, SACRAMENTO CO., CAL.—July 31st is the date set to vote on the question of issuing bonds of \$20,000 for the construction of a sewer system in Folsom.

MARTINEZ, CONTRA COSTA CO., CAL.—The State Board of Control has

been awarded the purchase of the Moraga school bonds amounting to \$12,000.

ANDERSON, SHASTA CO., CAL.—Notice has been given tenants now occupying the building of Frank Smith, near the Home Theatre, to vacate. Smith plans the erection of a new concrete store building on the site.

HANFORD, KINGS CO., CAL.—The election held to vote bonds of \$40,000 for the erection of an addition to the present grammar school failed to carry. This is the third time that the issue has been turned down.

SAN RAFAEL, MARIN CO., CAL.—An ordinance calling for a special election to decide the question of issuing and selling bonds for the construction of a garbage incinerator has been passed to print by the City Council.

MARTINEZ, CONTRA COSTA CO., CAL.—An election will be called by the trustees shortly to vote bonds of \$50,000 for the erection of a new school building.

SOUTH PASADENA, LOS ANGELES CO., CAL.—The Board of Education of South Pasadena has been authorized to call a special election for the purpose of voting bonds in the sum of approximately \$130,000 to secure funds for the purchase of sites and the erection of four school buildings. The sum of \$60,000 will be necessary for the purchase of sites and \$75,000 for buildings and equipment.

TURLOCK, STANISLAUS CO., CAL.—Friday, July 28, has been selected as the date for holding an election to vote bonds in the sum of \$10,000 to secure funds for financing the purchase of a site and the erection of a high school building for the Turlock Union High School District. A site selecting election will be held contingent on the carrying of the bonds.

TAMPE, KEIRN CO., CAL.—July 28 has been announced as the date for holding an election to vote bonds in the sum of \$18,000 to provide finances for school purposes for the Conley School District.

SANTA ANA, ORANGE CO., CAL.—The Talbot Drainage District has decided on a \$20,000 bond issue. The money is to be used in paying for a dredger and for laying a pipe line to the ocean, as a drainage water outlet.

PLACERVILLE, EL DORADO CO., CAL.—The \$300,000 bonds for the paving of Main street have been sold by the Board of City Trustees of Placerville.

BRIDGES, DAMS AND HARBOR WORK

PLACERVILLE, EL DORADO CO., CAL.—Bridge, reinforced concrete and steel. Cost not stated. Engineer, County Surveyor, Placerville. Owners, El Dorado County. Bids will be opened on July 24th at 2 p. m. for the construction of a new bridge across the South Fork of the American River at a point where the present foot bridge crosses said river at the town of Coloma, County of El Dorado, and for the furnishing of all labor, materials and mechanical workmanship necessary for the building, construction

and completion of such bridge, and the clearing of said ground for the reception of said bridge.

BERKELEY, ALAMEDA CO., CAL.—Culverts, reinforced concrete. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on July 18th at 10 a. m. for culverts authorized under the following resolution: That the southern one-half of a concrete culvert 6 feet by 6 feet inside dimensions and 125 feet long be constructed in Codornices Creek across Ordway street, and that earth fill be made in said street south of the north boundary line of the city of Berkeley.

BERKELEY, ALAMEDA CO., CAL.—Culverts, reinforced concrete. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on July 18th at 10 a. m. for culverts authorized under the following resolution: That the southern one-half of a concrete culvert 6 feet inside dimensions and 149.5 feet long be constructed in Codornices Creek across Talbot avenue, and that earth fill be made in said street south of the northern boundary line of the city of Berkeley to the level of the top of the creek banks.

MARYSVILLE, YUBA CO., CAL.—Bridge, reinforced concrete, \$4,270. Engineers, County Surveyors of Yuba and Nevada Counties, Marysville. Owners, Yuba and Nevada Counties. Plans and specifications prepared by the County Surveyors of Nevada and Yuba Counties have been completed and are being considered by the Yuba County Supervisors for the proposed reinforced concrete bridge to be constructed over Dry Creek at Spencerville. The bridge will be constructed by both Yuba and Nevada Counties.

VISALIA, TULARE CO., CAL.—Bridge, reinforced concrete, \$31,000. Engineer, County Surveyor, Visalia. Owners, Tulare County, Contractors, W. A. Kettlewell & Son, Draper street, Kingsburg. Contract for second half of Kings River bridge, \$31,000.

Contracts Awarded.

OAKLAND, CAL.—Bridges, 2, reinforced concrete. Cost as follows. Engineer, County Surveyor, Oakland. Owners, Alameda County. Contractors, Western Construction Co., Russ Bldg., S. F., bridge on county road No. 1461. Contract price, \$7,289. D. McDonald, Tesla road, Livermore, bridge over Arroyo La Laguna. Contract price, \$11,033.

SANTA ROSA, SONOMA CO., CAL.—Bridge, reinforced concrete, \$7,309. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Contractor, W. L. Proctor, 612 Sonoma avenue, Santa Rosa. Contract price, \$7,309.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridges, 2, reinforced concrete. Cost as follows. Engineer, E. T. Flaherty and McCurdy Bros., Santa Barbara. Owners, Santa Barbara County. Contractor, J. C. Lillis, Santa Barbara. Gaviota Creek bridge, \$9,160. Second bridge, \$7,930.

AUBURN, PLACER CO., CAL.—Bridge, reinforced concrete. Cost as follows. Engineer, County Surveyor Conroy, Auburn. Owners, Placer County. Contractor, Henry C. Nolte, Auburn. Contract price, excavation, 40c cubic yard; reinforced concrete, \$11.20 cubic yard; piles, caps, etc., in place, \$615.

CHURCHES

MERCED, MERCED CO., CAL.—Church, 2 story and base, frame and plaster, \$20,000. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Central Presbyterian Church. Will contain main auditorium, Sunday school rooms and pastor's study. Plans complete and figures being taken.

OKADALE, STANISLAUS CO., CAL.—Church, 2 story and base, frame and stone, \$12,500. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Methodist Episcopal Church. Will contain auditorium, Sunday school rooms and social hall. Plans complete and figures being taken.

Factories and Warehouses

SOUTH SAN FRANCISCO—Rice mill, 2 and 4 story, mill construction, \$50,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, Growers' Rice Milling Corporation, Location, South San Francisco. Revised plans are being prepared to meet the conditions of the new site. Plans nearly ready for figures.

BRAWLEY, IMPERIAL CO., CAL.—Cold storage plant, 1 story, frame and corrugated iron, \$100,000. Engineers, C. M. Gay & Sons, Los Angeles. Owners, The Southern Sierras Power Co. of Riverside. Cold storage plant 100 by 100 feet of reinforced concrete, ice manufacturing plant 80 by 100 feet, frame and corrugated iron, ice dock 14 feet wide, 15 feet high and 860 feet long. Plans complete and work to be done by Day Labor.

Contracts Awarded.

OROVILLE, BUTTE CO., CAL.—Factory, 1 story, frame. Cost not stated. Architect, none. Owners, Olive Products Co., Oroville. Contractor, A. A. Plage, Oroville. Contract price not stated. Excavation work complete.

FLATS

OAKLAND, CAL.—Flat alteration, 2 story and base, frame, \$1,800. Architect, none. Owner, Peter Randlow, 4202 West street, Oakland. Location 4202 West street. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Flats and store, 1 story and base, frame, \$1,500. Architect, none. Owner, John Landieich, 23rd and Main streets, Richmond. Plans complete and work to be done by Day Labor.

GARAGES

STOCKTON, SAN JOAQUIN CO., CAL.—Garage, 1 and 2 story and base, reinforced concrete. Cost not stated. Architect, Glenn Allen, Monadnock Bldg., S. F. Owner, Mrs. Henry, Stockton. Location, west Sutter south of Market, covering an area of 50 by 260. Plans complete and figures being taken.

SACRAMENTO, CAL.—Garage, 1 story and base, reinforced concrete \$17,500. Architect, E. A. S. Poole Oehsner Bldg., Sacramento. Owner's name not given. Location, 11th and K streets. Designed for a commercial garage. Foundations and exterior walls heavy enough to carry five additional stories. Plans being prepared.

GOVERNMENT WORK & SUPPLIES

Mare Island, Bucket Dredge.

All bids received at the bureau of yards and docks, Navy Department, for the construction of a gravity swing bucket dredge have been rejected. The bureau has not sufficient funds to award a contract.

Denver, Colo., Steel Shelving.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing steel shelving in the U. S. public building at Denver, Colo.:

Steel Fixture Mfg. Co., Topeka, Kans., \$331.40.

The Berger Mfg. Co., Canton, Ohio, \$290.

Art Metal Construction Co., Washington, D. C., \$402.

Canton Art Metal Co., Canton, Ohio, \$108.

Crown Metal Construction Co., Jamestown, N. Y., \$448.

Watson Mfg. Co., Jamestown, N. Y., \$162.

The Keyless Lock Co., Indianapolis, Ind., \$475.

The Van Dorn Iron Works Co., Cleveland, Ohio, \$583.35.

Valley City, N. Dak., Post Office.

As previously reported, the contract for the construction, complete, of the U. S. post office at Valley City, N. Dak., was awarded to Wm. O'Neill's Sons Co., Fairbault, Minn., at \$69,072. In the construction of the building fixtures and materials manufactured by the following firms will be used: Plumbing fixtures, Crane Co.; column and wall radiators, American Radiator Co.; damper regulator, do; radiator valves, Crane Co.; nonconducting coverings, Ehret Magnesia Mfg. Co.; air valves for radiators, Hoffman Specialty Co.; air valves for steam mains, do; cabinet and tablet, Frank Adam Electric Co.; conduit, Western Conduit Co.; flush switches, Arrow Electric Co.

North Head, Wash., Radio Mast.

No bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for constructing a wooden radio mast at the naval radio station, North Head, Wash.

Boise, Idaho, Post Office.

All bids recently received by the supervising architect, Treasury Department, Washington, D. C., for constructing an extension to the U. S. post office at Boise, Idaho, have been rejected.

Fort Huachuca, Building.

The following awards have been made for the construction of various buildings at Fort Huachuca, Ariz.: Kelley & Bachl, Leavenworth, Kans.—Construction proper administration building, \$8,585; two double captains' quarters, \$17,925; four double stable guard and shop buildings, \$11,597;

quartermaster corps barrack building, \$12,550; laundry, \$10,000.

Lawrence Electric Co., of El Paso, Texas.—Electrical work, administration building, \$148.67; captains' quarters, \$1,372.51; guard and shop building, \$588.53; Q. M. barracks, \$596.27; laundry, \$985.20.

Barnes & Lawrence, Lawton, Okla.—Plumbing, administration building, \$131; captains' quarters, \$2,666; Q. M. barracks, \$1,974; laundry, \$1,123; Crane fixtures to be used; heating, administration building, \$1,220; Q. M. barracks, \$116.

Thomas Haverco Co., Los Angeles, Cal.—Boiler plant, \$6,890.

Troy Laundry Machinery Co., Chicago, Ill.—Laundry machinery, \$13,219.20.

San Francisco, Cal., Building.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for constructing dormitory and operator's quarters at the naval radio station, San Francisco, Cal.:

Item 1, work complete; 2, deduct from item 1 for substituting ready-to-lay roofing for all wood shingle roofing. Pringle-Punn & Co., San Francisco, Cal., item 1, \$10,450; 2, \$150; 90 days.

W. N. Concannon, San Francisco, Cal., item 1, \$12,480; 90 days.

R. S. K. MacMillan, San Francisco, Cal., item 1, \$8,900, construct in 10 days, and \$9,000 in 30 days.

Schroder Bros., San Francisco, Cal., item 1, \$12,000, 60 days; 2, \$250, 3 days.

Olympia, Wash., Tile Drain.

The contract for new tile drain for the U. S. post office building at Olympia, Wash., has been awarded to James Martin, Olympia, Wash., at \$445; time 60 days.

Fort Douglas, N. C. O. Quarters.

The quartermaster general has directed that contract for constructing two double N. C. O. quarters at Fort Douglas, Utah, be awarded to J. T. & H. E. Schraven, of Salt Lake City, Utah.

North Head, Wash., Radio Building.

The contract for the construction of frame radio buildings at the naval radio station, North Head, Wash., has been awarded to the Ilwaco Mill and Lumber Co., of Ilwaco, Wash.

Marshfield, Ore., Building.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for constructing 5 buildings and 2 masts at the naval radio station, Marshfield, Ore.:

Item 1, work complete; 2, 5 buildings complete; 3, 2 masts complete; 4, deduct from item 1 or 2 for substituting ready-to-lay roofing for wood shingle roofing.

F. K. Getting, Marshfield, Ore., item 1, \$27,223.84, 120 days; 2, \$9,731.50, 120 days; 3, \$13,551.59, 120 days; 4, \$9,731.50, 120 days.

W. W. Ladd, 150 E. Alder avenue, Marshfield, Ore., item 1, \$19,826.20, 120 days.

Everett, Wash., Furniture.

The contract for installing furniture in the U. S. post office at Everett, Wash., has been awarded to the Budde & Weis Mfg. Co., of Jackson, Tenn., at \$2,478; time, 90 days.

Pasadena, Cal., Wire Partitions.

The contract for wire partitions in the basement of the U. S. post office building at Pasadena, Cal., has been awarded to A. V. Davis, Pasadena, Cal., at \$871, time, 30 days.

Fort Stevens, Officers' Quarters.

The United Engineering and Contracting Co., of Astoria, Ore., has the contract for the construction of bachelor officers' quarters at Fort Stevens, Ga., at the following prices: Construction, \$12,590; plumbing, \$1,100; heating, \$915; electric wiring and fixtures, \$346.

Douglas, Ariz., Post Office.

The contract for the construction, complete, of the U. S. post office at Douglas, Ariz., has been awarded to Grant Fee, San Francisco, Cal., at \$77,000, using limestone for all stonework, excepting where granite is required. The work will be completed in 14 months.

Reclamation Work.

Schedule of bids for construction of distribution system, excavation, canal lining, pipe lines, and structures, specifications 28-D, opened at North Yakima, Wash.:

1. Bid 1, Hans Pederson, Alaska Building, Seattle, Wash.
2. Wood & DeCamp, Spokane, Wash.
- Item 1. Canal excavation, class 1—Bid 1, 28c; 2, 20c.
2. Do, class 2—Bid 1, 45c; 2, 35c.
3. Do, class 3—Bid 1, \$2.75; 2, \$3.50.
4. Overhaul—Bid 1, 3c; 2, 1½c.
5. Pipe trench excavation, class 1—Bid 1, 20c; 2, 27c.
6. Do, class 3—Bid 1, 3c; 2, 5c.
7. Pipe trench backfilling—Bid 1, 8c; 2, 6c.
8. Structure excavation, class 1—Bid 1, 40c; 2, 50c.
9. Do, class 3—Bid 1 \$3; 2, 5c.
10. 1½-in concrete canal lining—Bid 1, 6.5c; 2, 10c.
11. Concrete pedestals for 40 and 30 in wood pipe—Bid 1, \$15; 2, \$15.
12. Concrete in culverts and turnouts—Bid 1, \$16; 2, \$15.
13. Do, in abutments and piers of concrete flumes—Bid 1, \$13; 2, \$15.
14. Do, in bodies of concrete flumes—Bid 1, \$20; 2, \$25.
15. Do, in metal flume terminals and pedestals—Bid 1, \$16; 2, \$15.
16. Do, in pipe intakes, outlets, and weir structures—Bid 1, \$16; 2, \$15.
17. Placing reinforcing steel—Bid 1, 3c; 2, 7c.
18. Backfill at structures—Bid 1, 40c; 2, 25c.
19. Mortar paving, 8 in thick—Bid 1, \$2.50; 2, \$2.50.
20. Laying 6-in vitrified pipe—Bid 1, 9c; 2, 6c.
21. Laying 8-in do—Bid 1, 11c; 2, 7c.
22. Laying 10-in do—Bid 1, 13c; 2, 8c.
23. Laying 12-in do—Bid 1, 17c; 2, 10c.
24. Laying 15-in do—Bid 1, 21c; 2, 12c.
25. Laying 18-in do—Bid 1, 25c; 2, 15c.
26. Laying 24-in do—Bid 1, 40c; 2, 20c.
27. Laying 22-in wood pipe—Bid 1 15c; 2, 10c.
28. Laying 18-in do—Bid 1, 17c; 2, 10c.
29. Laying 16-in do—Bid 1, 15c; 2, 10c.

30. Laying 12-in do—Bid 1, 12c; 2, 9c.
31. Laying 8-in do—Bid 1, 9c; 2, 8c.
32. Laying 6-in do—Bid 1, 8c; 2, 6c.
33. Erecting metal flume No. 60—Bid 1, 9c; 2, 70c.
34. Erecting steel headgates, 6 to 18 in—Bid 1, \$2; 2, \$10.
35. Erecting steel and iron in bridges—Bid 1, 4c; 2, 10c.
36. Erecting lumber in steel flume trestle—Bid 1, \$17; 2, \$20.
37. Erecting lumber in bridges—Bid 1, \$14; 2, \$20.
38. Erecting lumber in wooden flumes—Bid 1, \$16; 2, \$25.
39. Erecting lumber in measuring boxes, drops, weirs, etc.—Bid 1, \$17; 2, \$25.
- Totals—Bid 1, \$60,855; 2, \$71,097.50.

Feed Canal.

Abstract of bids received for enlargement of feed canal, Umatilla project, Oregon:

- Newport Land and Construction Co., Hermiston, Ore., \$32,254.
Geo. P. Wright, 602 Providence Building, Tacoma, Wash., \$38,512.50.
H. D. Willis, 1410 Harrison Building, Boise, Idaho, \$42,810.

BALLS AND SOCIETY BUILDINGS.

SAN FRANCISCO—Auditorium alterations. Cost not stated. Architects City Department of Architecture, City Hall. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on July 19th for alterations to the organ balcony.

Contracts Awarded.

WALNUT CREEK, CONTRA COSTA CO., CAL.—Lodge hall, 2 story, frame, \$10,000. Architect's name not given. Owners, Alamo Lodge of Masons. Contractor, C. Randolph Hook, Walnut Creek. Contract price, \$10,000.

HOSPITALS

SAN FRANCISCO—Hospital, 2 story and base. Class A construction, \$90,000. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners City and County of San Francisco. Location, Grove and Polk streets. Designed for a Central Emergency Hospital. Two additional stories to be added later. Plans complete and figures for general construction being taken. Bids to be opened by the Board of Public Works on July 19th.

SAN FRANCISCO—Hospital stairs, reinforced concrete, \$2,500. Architect, Albert Lapachet, 110 Sutter street, S. F. Owners, French Hospital Association. Location, Sixth avenue and Clement. Ten sets of stairs, with iron pipe railings. Bids being taken for both reinforced concrete and terrazzo.

SAN FRANCISCO—Hospital wiring, \$19,887. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. The Globe Electric Co. submitted the lowest figure for electric wiring in the northeast wing of the San Francisco Hospital. They will probably be awarded the contract.

COVINA, LOS ANGELES CO., CAL.—Masonic home, 2 story and base, reinforced concrete, \$75,000. Architect John F. Blee, Union League Bldg., L. A. Owners, Masonic Home Association. Location, near Covina. Plans complete and figures being taken. Bids close July 17th.

SAN FRANCISCO—Hospital electric work, \$19,887. Architect, John Reid Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. All bids received for the electric work in the northeast wing of the San Francisco Hospital have been rejected and new figures are being taken. Bids will be opened on July 19th.

Contracts Awarded.

LOS ANGELES, CAL.—Psychopathic buildings, 2 story and base, brick, \$22,775. Architect, George Low, Hall of Records, L. A. Owners, Los Angeles County. Contractors, The National Fireproofing Co., Central Bldg., L. A. Contract price, \$22,775.

IRRIGATION PROJECTS

HANFORD, KINGS CO., CAL.—Reclamation work, levee, etc., \$50,000. Engineer's name not given. Owners, Lovelace Reclamation District No. 739. At the last meeting of the County Supervisors in response to a request from H. Clawson and Mack Lovelace, the Board approved plans of the Lovelace Reclamation District No. 739, for extensions of reclamation work and levee building.

POWER IMPROVEMENTS

SAN FRANCISCO — Core borings. Cost not stated. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids will be received by the Board of Public Works on July 26th for making core boring for the Hetch Hetchy Aqueduct. Complete information can be secured from the office of the City Engineer.

EUREKA, HUMBOLDT CO., CAL.—Water pipe. Cost not stated. Engineer, City Engineer, Eureka. Owners City of Eureka. All bids for furnishing wood stave pipe to the city have been rejected. The City Clerk has been instructed to readvertise for bids for redwood or metal pipe. Plans and specifications can be had from the office of the City Clerk.

Contracts Awarded

BURLINGAME, SAN MATEO CO., CAL.—Pumping unit. Cost not stated. Engineer, Town Engineer, Burlingame. Owners, Town of Burlingame. Contractors, Fairbanks-Morse Co., 651 Mission street, S. F. Contract price not stated.

RESIDENCES

SAN FRANCISCO — Residence, 2 story and base, brick, \$11,500. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location, Sloat Boulevard. Will contain nine rooms and three baths. Separate garage. Plans complete and segregated figures being taken.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$3,000 each. Architect, none. Owner, A. A. Russell, 75 Brossan street, S. F. Location, west Seventh avenue north of California. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame. Cost not stated. Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner, Herbert Helwig. Location, St. Francis Wood. Will contain nine rooms, bath and sleeping

porch and separate garage. Plans being prepared.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$2,500. Architect, A. M. Sylvia, 371 30th avenue, S. F. Owner, W. H. Rushing, 543 41st avenue, S. F. Location, east 41st avenue north of Anza. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3 2 story and base, frame. Cost not stated. Architect, none. Owner, Albert A. Russell, 75 Brosnan street, S. F. Location, west 17th avenue north of California. Will contain six and seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. Location, southwest Ashbury Terrace and Upper Terrace. Basement garage. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residences, 2, 1 story and base, frame, \$1,500 each. Architect, none. Owner, A. R. Morris, 914 Kains avenue, Oakland. Location, west Pomona avenue north of Main. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, G. H. Moore, 110 Jessie street, S. F. Location, north Beck street west of 73rd avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, M. E. Taylor, 1607 Sonoma avenue, Berkeley. Location, east Edward north of Channing Way. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owners, United Home Builders, 1567 Broadway Oakland. Location, south Joseph east of Samuel. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,200. Architect, none. Owner, Justis Norris, 2828 Richmond avenue, Oakland. Location, Loma Vista north of Hopkins. Will contain five rooms. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,100. Architect, none. Owner, I. W. Botton, 347 63rd street, Oakland. Location, east Claremont north of Hudson. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

MARTINEZ, CONTRA COSTA CO., CAL.—Residence, 2 story and base, frame, \$2,500. Architects, Shimer & Bugbee, Daiziel Bldg., Oakland. Owner's name withheld. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, F. C. Wilson, 2705 Grant street, Fresno. Location, Alta Vista Tract. Will contain five rooms, bath and sleeping porch. Plans

complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Henry Jacks, 5126 California street, S. F. Location, southwest Santa Rita and Rosedale. Will contain store and residence of six rooms. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, Robert R. Gates, Central Bank Bldg., Oakland. Location, south Lewis east of 62nd avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 5, 1 story and base, frame, \$1,600. Architect, none. Owner, C. M. MacGregor, 470 13th street, Oakland. Location, north Hearst avenue east of Lincoln. Will contain five rooms each. Plans complete and work to be done by Day Labor.

TEHAMA CO., CAL.—Farm house, 2 story and base, frame. Cost not stated. Architects, Universal Drafting Bureau 1814 5th avenue, Oakland. Owner's name withheld. Will contain 20 rooms and accommodate 75 men. Plans complete and figures being taken.

LOS ANGELES, CAL.—Residence, 2 story and base, frame. Cost not stated. Architects, H. W. Charlton & Co., Haas Bldg., L. A. Owner, R. J. Gaffney. Location, Windsor Square. Will contain 11 rooms and three baths. Plans being prepared.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$15,000 to \$20,000. Architects, E. P. Antonovich and Harvey E. Harris, Monadnock Bldg., S. F. Owner's name not given. Location, Claremont Court. Houses will contain from twelve to fourteen rooms. Several baths and separate garages. Plans being prepared.

Contracts Awarded

LOS ANGELES, CAL.—Residence, 2 story and base, brick. Cost not stated. Architect, H. H. Whiteley, Story Bldg., L. A. Owner, S. M. Cooper. Contractors, Cooper-Pyle-Clopine Co., Story Bldg., L. A. Contract price not stated.

SCHOOLS

PALO ALTO, SANTA CLARA CO., CAL.—School, 1 story and base, concrete and frame. Cost not stated. Architect, John J. Donovan, Daiziel Bldg., Oakland. Owners, Stanford School District, Palo Alto. Location, County Road and Santa Ynez street. Will contain three class rooms, domestic science department, library and teachers' room. Plans complete and figures to be opened on July 17th at 11 a. m.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story, frame and plaster, \$18,000. Architect, J. B. Ogborn, 164 13th street, Richmond. Owners, City of Richmond. Carl Overaa, 1808 Roosevelt avenue, Richmond, submitted the lowest figure for the general construction of the new Tenth Street School at \$16,377. J. C. Hurley, S. F., submitted the lowest figure for the heating at \$2,893. Contracts will be awarded the lowest men.

MARVSVILLE, YUBA CO., CAL.—School, 1 story and base, concrete, brick or hollow tile, \$18,000. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Marysville School District. Designed for a grammar school and will contain, besides class rooms, a

library and teachers' room. Plans complete and figures to be called for shortly.

CHICO, BUTTE CO., CAL.—School, 1 story and base, frame. Cost not stated. Architect, Chester Cole, Waterland Bldg., Chico. Owners, City of Chico. Designed for a grammar school and will cover an area of 70 by 50 feet. Four class rooms. Plans complete and figures to be opened on July 15th.

NELSON, BUTTE CO., CAL.—School, 1 story, brick. Cost not stated. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Nelson School District. Will contain two class rooms. Plans complete and figures will be opened on July 17th at 10 a. m.

Contracts Awarded.

YREKA, SISKIYOU CO., CAL.—School gymnasium, concrete and frame, \$13,533. Architect's name not given. Owners, Siskiyou Union High School District. Contractor, O. L. Cooper, Weed. Contract price, \$13,533. Size, 75 by 130 feet.

CULVER CITY, LOS ANGELES CO., CAL.—School, 1 and 2 story and base, brick, \$39,000. Architect, O. P. Dennis, Pay Bldg., L. A. Owners, Culver City. Contractors, C. W. Kent & Son, 429 South Brand Boulevard, Glendale, general construction. Contract price, \$39,000. Lohman Bros., plumbing, \$2,148. H. T. Miles & Son, painting, \$1,650. F. O. Engstrom Co., electric work, \$770.

LOS ANGELES, CAL.—Schools 2, 2 story and base, frame, \$21,440. Architect, Architectural Department, Board of Education, L. A. Owners, City of Los Angeles. Contractors, The Walter Slater Co., 2314 Santa Fe avenue, L. A. Contract price, \$21,440.

SEWERS, STREET WORK & WATER SYSTEMS

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on July 20th at 11 a. m. for street improvements authorized under the following resolutions: That 3rd street, from the south line of Q street to the north line of T street, be improved by grading the roadway and constructing thereon an asphaltic macadam pavement, consisting of a hydraulic concrete foundation 4 inches thick at the gutter and running to 5 inches thick, and an asphaltic macadam wearing surface 1½ inches thick; reconstructing 4 concrete manholes and 1 concrete catch basin.

That Midrone avenue, from the east line of 37th street to the west line of 40th street, be improved by constructing concrete gutter and concrete curb, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes; 6, 8 and 12-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

That 14th avenue in Oak Grove, from the sewer in place of Lower Stockton road to the west line of East avenue, be improved by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch, vitrified,

ironstone sewer pipe elbow, attached, concrete manholes; 6 and 8-inch, vitrified, ironstone sewer pipe drains; placing 2 6-inch, vitrified, ironstone Y branches, grading the area between the curb and property line, constructing concrete sidewalk 5 feet in width and 3½ inches thick; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick.

SAN JOSE, SANTA CLARA CO., CAL.—Highway improvements. Cost as follows. Engineer, County Surveyor, San Jose, Owners, Santa Clara County. The following bids were received by the County Board of Supervisors for resurfacing of Section A of the Alviso road in Supervisor District No. 3. Surveyor's estimate, \$2,750. Ransome-Crummey Co., First National Bank Bldg., Oakland, \$2,900; Raich Improvement Co., 1108 Crocker Bldg., S. F., \$2,890; J. W. McDonald, Bank of Italy Bldg., San Jose, \$3,749. All bids were taken under advisement.

SAN JOSE, SANTA CLARA CO., CAL.—Sewer construction. Cost not stated. Engineer, County Surveyor, San Jose, Owners, Santa Clara County. Plans prepared by the County Surveyor for a sewer to connect the Santa Clara Infirmary with the city of San Jose were approved by the County Supervisors at their last meeting and bids have been ordered received up to August 7th at 11 a. m. Plans for the work may be had from County Clerk Henry A. Pfister.

VALLEJO, SOLANO CO., CAL.—Paving. Cost not stated. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Irrespective of the fact that prominent lawyers have passed on the proceedings for the improvement of the northwest district and have given it as their opinion that the proceedings are according to law, the City Council will not attempt to force the Worswick Construction Co. to sign the contract which it was awarded, but instead new proceedings will be started and it is expected that bids will be opened again about the first of August. City Attorney Smith of Fresno, attorney for the Worswick Co., examined the proceedings and advised the Worswick Co. not to sign, it being his contention that a defect exists in the proceedings. However, the legal representative of the Ransome-Crummey Co. has passed on the proceedings and states that they are perfect.

VALLEJO, SOLANO CO., CAL.—Street paving, \$100,000. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Plans and specifications for the \$100,000 street improvement job contemplated by the City Council in the northeastern district of this city have been completed by City Engineer T. D. Kilkenny and will be presented to the City Council at its next meeting. It is the intention of the Council to approve the plans and open bids about August 1st.

MARTINEZ, CONTRA COSTA CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor Arnold, Martinez. Owners, Contra Costa County. At their next meeting the Supervisors will consider the plans and specifications prepared by

County Surveyor Ralph R. Arnold for Division No. 3 and Division No. 4 of the county highway. Division No. 3 covers the county highway from the county line east of Byron to the town of Byron thence north a distance of link between Pittsburg and Antioch, 2½ miles. Division No. 4 covers the about 3 miles. The latter route will follow the present highway to the Associated Oil pumping station, thence paralleling the Southern Pacific Railroad to Pittsburg.

MARTINEZ, CONTRA COSTA CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor Arnold, Martinez. Owners, Contra Costa County. Bids will be opened on July 24th at 11 a. m. for furnishing of materials and labor and grading and preparing subgrade, building bridges and culverts and excavating for bridges and culverts and building road with a concrete base on Division No. 3 of the county highway. Location: Commencing at the county boundary line near the southeast corner of the county where said boundary is crossed by the Southern Pacific Railway Company line and parallel said line to town of Byron, from which point it runs north to the northeast corner of Section 28, a total distance of 8.14 miles.

MARTINEZ, CONTRA COSTA CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor Arnold, Martinez. Owners, Contra Costa County. Bids will be opened on July 24th at 11 a. m. for furnishing of materials and labor and grading and preparing subgrade, building bridges and culverts and excavating for bridges and culverts and building road with a concrete base on Division No. 4 of the county highway. Location: Beginning at the west incorporate line of the town of Antioch, and running westerly along the present highway to the Standard Oil Pumping Station, where it leaves the main highway and parallels the Southern Pacific Railway right-of-way to town of Pittsburg, a distance of 3.49 miles.

SALINAS, MONTEREY CO., CAL.—Highway construction, \$2,810. Engineer, County Surveyor, Salinas. Owners, Monterey County. Kunze & Haggard, Salinas, submitted the lowest bid at \$2,810 for the new road in the Tulareitos Road District and will probably be awarded the contract.

LOS ANGELES, CAL.—Highway construction, \$13,027.47. Engineer, County Surveyor, Los Angeles. Owners, Los Angeles County. Bids will be received by the Board of Supervisors of Los Angeles County up to 2 p. m. of Monday, July 17, 1916, for constructing concrete pavement with disintegrated granite base and sand base, expansion joints and bituminous wearing surface, on Mesa Drive, from Slauson avenue north to the city boundary, a distance of about 2.08 miles, in Road Improvement District No. 95.

LOS ANGELES, CAL.—Highway construction. Cost as follows. Engineer, County Surveyor, L. A. Owners, Los Angeles County. P. A. and C. H. Howard, 2123 Sacramento street, L. A., were the lowest bidders at \$86,375.44 for improving Section G of the Mint Canyon road. The next lowest bid was submitted by Bent Bros., 607 South Main street, L. A., at \$92,455.34. The engineer's estimate was \$91,613.85. The

bids were taken under advisement.

LOS ANGELES, CAL.—Highway construction. Cost as follows. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Rogers Bros., Hibernian Bldg., L. A., were the lowest bidders at \$15,900 for improving 2.62 miles of highway on Vine avenue, from Glendora avenue to Citrus street, near Covina, in Road Improvement District No. 55. The next lowest bid was submitted by Fred Hoffman, 111 East 12th street, Long Beach, for \$18,900. The engineer's estimate was \$21,906.81. The county will furnish the stone and oil. The bids were referred to the highway engineer for report.

ONTARIO, SAN BERNARDINO CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Ontario. Owners, City of Ontario. Bids will be received by the City Clerk up to 7:50 p. m. July 17th, 1916, for the construction of approximately 49,150 square feet of 4-inch concrete pavement with asphaltic oil wearing surface on certain alleys in the city of Ontario, in accordance with the plans etc., on file in the office of the City Engineer. Bids must be accompanied by a certified check or bond for 10% of the amount of bid.

Contracts Awarded.

NORTH BEND, ORE.—Paving waterfront, \$43,707.71. Engineer, City Engineer, North Bend. Owners, City of North Bend. Contractors, Anderson & Klockers, North Bend. Contract price, \$47,707.71.

MARTINEZ, CONTRA COSTA CO., CAL.—Highway construction. Cost as follows. Engineer, County Surveyor, Martinez. Owners, Contra Costa County. The County Supervisors have awarded the contract for the surfacing of ten miles of concrete road from Walnut Creek to the tunnel as follows: For Division No. 1, the City Street Improvement Co., 166 Geary street, S. F., was awarded the work on its bid of \$12,879. For Division No. 2, A. H. Kopperud, 2030 High street, Oakland, on a bid of \$9,357.20.

VALLEJO, SOLANO CO., CAL.—Street paving. Cost as follows. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Contractors, O'Brien Bros., 274 15th avenue, S. F. Contract prices, \$3,657.27 and \$4,776.18.

SAN RAFAEL, MARIN CO., CAL.—Highway construction. Cost as follows. Engineer, County Surveyor, San Rafael. Owners, Marin County. At the last meeting of the City Council Hutchinson & Co., 13th and Franklin streets, Oakland, being the only bidders on the Toll road, their bid of 30c for curbing, 30c for gutter, 2c for grading and 7c for macadamizing was accepted.

AUBURN, PLACER CO., CAL.—Septic tank, \$6,677. Engineer, City Engineer, Auburn. Owners, City of Auburn. Contractors, Hard Bros., Modesto. Contract price, \$6,677.

RIVERSIDE, RIVERSIDE CO., CAL.—Street paving, etc., \$15,388.79. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Johnson-Shea Co., 500 Market street, Riverside. Contract price, \$15,388.79.

ALAMEDA, ALAMEDA CO., CAL.—Street paving, \$66,553.93. Engineer, City Engineer, Alameda. Owners, City of Alameda. Contractors, Clarke & Henery, Ochsner Bldg., Sacramento. Contract price, \$66,553.93.

VENTURA, VENTURA CO., CAL.—Culverts, \$15,715. Engineer, County Surveyor, Ventura. Owners, Ventura County. Contractors, Mesmer & Rice, Marsh-Strong Bldg., L. A. Contract price, \$15,715.

HEMET, RIVERSIDE CO., CAL.—Street paving, \$11,721. Engineer, Town Engineer, Hemet. Owners, Town of Hemet. Contractors, The Connor Construction Co., Higgins Bldg., L. A. Contract price, \$11,721.

LOS ANGELES, CAL.—Sewers, gutters and grading, \$15,310.85. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Contractors, The Coast Construction Co., 1119 East 29th street, L. A. Contract price, \$15,310.85.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts have been awarded for street improvements under the following resolutions: That the alley between M and N streets, from the east line of 24th street to the west line of 25th street, be improved by constructing 1 concrete catch basin complete, placing 5 linear feet of 8-inch, vitrified, ironstone sewer pipe drain; reconstructing 1 concrete manhole, grading the roadway and constructing thereon an asphalt pavement consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to McGillivray Construction Co., 1067 7th street, Sacramento.

That the alley between L and M streets, from the east line of 4th street to the west line of 5th street, be improved by constructing 493 linear feet of concrete curb wall; 1 concrete catch basin complete; reconstructing 1 concrete manhole; placing 6 linear feet of 8-inch, vitrified, ironstone sewer pipe drain; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to The McGillivray Construction Co.

That 24th street, from the north line of the alley between Y and Z streets to the north line of Bonita avenue, be improved by constructing concrete curb 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes complete; grading the space between the property line and curb; concrete sidewalk; grading the roadway, concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

That Miller avenue in Wright & Kimbrough Tracts Nos. 27 and 30, be improved, also that the alleys on the north, east and west sides of Wright & Kimbrough Tract No. 27 be improved by constructing 8- and 10-inch, vitrified ironstone pipe sewers, 7 concrete manholes complete; 2 6-inch flusher branches complete and 110 6-inch Y branches with covers. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. The following contracts for street work have been awarded: The

improvement of East 16th street, from the south-east line of 55th avenue to the northwest line of 57th avenue, by grading, redwood curbs, concrete gutters 7 feet wide, and oil macadam pavement. Awarded to The Oakland Paving Co., 5600 Broadway, Oakland.

The improvement of portions of the northeast half of Weld street by grading, redwood curbs, concrete gutters 7 feet wide, oil macadam pavement and cement sidewalk 5 feet wide. Awarded to The Hutchinson Co., 13th and Franklin streets, Oakland.

SAN ANSELMO, MARIN CO., CAL.—Sewer construction, \$973. Engineer, Town Engineer, San Anselmo. Owners, Town of San Anselmo. Contractor, S. S. Abrams, Box 226 Sausalito. Contract price \$973.

STORES AND OFFICES

SEATTLE, WASH.—Market, 1 story and base, reinforced concrete, \$30,000. Architects, Stephen & Stephen, New York Block, Seattle. Owners, Pine Street Investment Co. Location, Pine street and Seventh avenue, covering an area of 110 by 120 feet. Plans complete and figures being taken.

SACRAMENTO, CAL.—Stores and lofts, 2 story and base, brick, \$3,500. Architect, F. A. S. Poale, Ochsner Bldg., Sacramento. Owner, Charles M. Campbell. Location, Oak avenue between 5th and 6th streets. Bids in and under advisement.

LOS ANGELES, CAL.—Lofts, 3 story and base, brick and steel. Cost not stated. Architect, Richard D. King, Van Nuys Bldg., L. A. Owners, W. A. and M. T. Glascock, The Puritan Coffee and Tea Co., 7354 South Los Angeles street, L. A. Location, Traction avenue near Alameda, covering an area of 75 by 120 feet. Plans complete and segregated figures being taken by the owners.

SAN FRANCISCO.—Undertaking parlor, 2 story and base, frame. Cost not stated. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner's name withheld. Location, Mission street near 16th. Will contain office, chapel and living apartments. Plans being prepared.

Contracts Awarded.

SAN FRANCISCO.—Stores and lofts 2 story and base. Class C construction \$25,000. Architect, C. O. Clausen Hearst Bldg., S. F. Owner, J. H. Burns Contractor, Charles Coburn, 4030 24th street. Contract price, \$25,000. Location, southeast corner Mission and 16th streets, covering an area of 105 by 95 feet.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1058 — Proposals for Power Plants for Supply Boats, Motor Boats, Pump Casing and Heads, Pipe Threading and Cutting Machine, Babitt Metal, Sheet Brass, Copper Wire, Bolts, Rivets, Nuts, Washers, Joining Shackles, Augers, Tool Holders, Angle Valves, Paint Brushes, Roof Brushes, Bristle Brushes, Tack Lacing, Storage Batteries, Hose, Packing, Rubber Valves, Canvas Belting, Canvas, Burlap, Linoleum, Magnesia, Pipe Covering, Emery Cloth, Sand Paper, Charcoal Skins, Granulated Cork, Sponges, Buckskin Gloves, Vegetable Dishes, Window Glass, Bond Paper, Carbon Paper, Soap, Paraffin Wax, Lye, Calcium Carbide, Potassium Chlorate, Sulphate of Copper and Lead and Zinc. Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C.,

until 10:30 a. m., July 20, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1058) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal., also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL L. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals, indorsed "Proposals for Superintendent's Residence and Hatchery Building, Springville, Utah," and inclosed in an envelope addressed to commissioner of fisheries, Department of Commerce, Washington, D. C. will be received at this office until 2 o'clock p. m., July 28, 1916, and then opened, for the construction of superintendent's residence and hatchery building at the fisheries station, Springville, Utah. For blank proposals, specifications, etc., address commissioner of fisheries, Washington, D. C.

SALE OF MATERIALS.

PANAMA CIRCULAR 1057 — Proposals for the Purchase of Locomotives Offered for Sale by the Panama Canal and Which Are No Longer Needed.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., August 23, 1916, at which time they will be opened in public, for purchasing the above mentioned articles. Blanks and general information relating to this circular (No. 1057) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL L. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR ELEVATOR.

ELEVATOR—Sealed proposals, indorsed "Proposals for Elevator," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m., July 29, 1916, and then there publicly opened, for one electric freight elevator at the navy yard, Mare Island, Cal. Plans and specifications may be obtained on application to the bureau or to the commandant of the navy yard named, T. R. HARRIS, chief of bureau.

NOTICE TO ELEVATOR DEALERS.

SEALED PROPOSALS will be received at the Bureau of Yards and Docks, Navy Department, Washington D. C., until July 29, 1916, for one electric freight elevator at the navy yard, Mare Island, Cal. Plans and specifications may be obtained on application to the Bureau of Yards and Docks or to the commandant of the navy yard named.

PROPOSALS.

(OFFICE OF THE BOARD) OF PUBLIC Works of the City and County of San Francisco, July 6, 1916.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 10th day of July, 1916, for doing the following work:

Making core borings, Hetch Hetchy Aqueduct, Contract Number Eleven. Progressive payments will be made. Said work must be done in accordance with the specifications or plans and specifications therefor on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within fifteen (15) calendar days and completed within two hundred and fifty (250) calendar days from the date of the contract to be made and entered into therefor.

The amount of bond for faithful performance of contract has been fixed at \$12,000.00.

All proposals offered shall be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors of said City and County, for an amount not

less than ten per centum of the aggregate of the proposal, and no proposal will be considered unless accompanied by such check.

Printed proposal forms will be furnished gratuitously upon application at the office of the City Engineer, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL, Secretary.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1056 — Proposals for Laboratory, Hardware for Marble Work, Steel Angles and Plates, Soft Steel Bars, Rock Cutter Heads and Blades, Sheet Brass, Machine Bolts, Rivets, Nails, Screws, Staples, Screw Eyes, Brass Nuts, Dood Bolts, Hinges, Haps, Wardrobe Locks, Screen Door Catches, Furniture Locks, File Handles, Shelf Brackets, Storage Battery Warehouse Trucks, Hydraulic Valve, Cocks, Oil Spouts, Pulleys, Chain Blocks, Snatch Blocks, Coal Baskets, Buckets, Corn Brooms, Floor Brushes, Glue Brushes, Seythe Stones, Lantern Globes, Lamp Chimneys, Graduating Glasses, Tables, Chairs, Rat Traps, Mattings, Mats, Towels, etc., and Wood Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., July 14, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1056) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer in charge of the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

NOTICE is hereby given by the Board of Supervisors of Sonoma County, California, that sealed bids will be received by the Clerk of said Board up to 12 o'clock noon on July 14, 1916, for the construction of a bridge over Russian River, at Markhams, according to plans and specifications for said bridge, now on file in the office of the Clerk of this Board, and being plans and specifications Nos. 1 and 2 submitted to this Board by Leonard & Day, and plans and specifications No. 3, submitted by M. P. Youker.

Separate bids are to be received for any one or all of said plans. Each bidder shall accompany his said bid or bids with a certified check, made payable to W. W. Felt, Jr., County Clerk, in an amount not less than 10% of the amount of the highest bid submitted by him, and to be forfeited to Sonoma County, should successful bidder fail within ten days after the acceptance of either of said bids submitted by him, to enter into a contract therefor, and give a good and sufficient bond for the faithful performance of said contract; said bond to be in the amount as specified in the plans, and be approved by said Board of Supervisors. A deposit of \$10.00 for each plan, or a deposit of \$25.00 for the three plans by each bidder securing plans, as a guarantee for their return.

Checks of unsuccessful bidders to be returned.

The Board hereby reserves the right to reject any or all bids.
Dated June 16th, 1916.

W. W. FELT, Jr., County Clerk.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Friday, July 28, 1916, said bid then to be to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of the "Home for Working Men," Napa State Hospital, near Napa, California, in accordance with the plans and specifications, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the

Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Home for Working Men,' Napa State Hospital, near Napa, California."

(Signed) W. F. MCCLURE,
State Engineer.

PROPOSALS FOR BUILDING.

OFFICE of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office until 10 o'clock a. m., on Monday, August 7th, 1916, (the day when said bids will be opened), for the construction of an addition to the Hotel located at Fifth and Broadway Streets, in the city of Oakland, County of Alameda, State of California.

Bids will be received on each of the following departments of work:

Department No. 1—Excavating, brick work, stone work, concrete work, carpenter work, mill work, glass, stairs, fire doors, ornamental and miscellaneous iron and steel work, window guards, plastering, lathing, cementing, damp-proofing, felt and gravel roofing, sheet metal, skylights, hardware, painting, tinting.

Department No. 2—Plumbing, drains and gas fitting.

Department No. 3—Electrical work, tiling.

Department No. 4—Marble work, tiling.

Department No. 5—Heating.

Department No. 6—Elevator work.

Department No. 7—Well boring and casing.

Complete plans and specifications for each of these separate departments of work are on file in the Office of the Building, Oakland, where copies may be obtained, by depositing with the County Clerk the sum of Ten Dollars (\$10.00). Contractors will be restricted as to the length of time they may retain these plans and specifications to twelve (12) days on department No. 1, and to five (5) days on all other departments.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limits.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board of Supervisors of Alameda County, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties submitting the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the contract.

Dated June 20, 1916. (Seal)
GEO. E. GROSS,
Clerk of Board of Supervisors of the County of Alameda.

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the office of LEWIS P. HOBART, Crocker Building, San Francisco, Cal., at or before July 20, 1916, for the alterations and additions to the College Building of the Alameda Colleges, as per plans and specifications on file and obtainable after P. M. July 12th, at the Chamber of Commerce in the Controller's office of the University of California, Berkeley, Cal.

A deposit of \$5.00 will be required

for each set of plans and specifications taken out, which deposit will be refunded upon return of said plans and specifications, accompanied by a regular bid for the work. No bids will be received unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.
THE REGENT OF THE UNIVERSITY OF CALIFORNIA. (*)

CALIFORNIA NATIONAL BANKS.

WASHINGTON — California ranks sixth among all the States in number of national bank deposits, there being 329,220 depositors in the State, according to a statement of the Treasury. This is an increase of 294,729 since 1910.

SCHOOL IN HAYWARD PLANNED.

HAYWARD, Cal.—A new grammar school to cost \$100,000 and which will be located on a different site than that of the present school will be erected here as soon as the taxpayers show their willingness to support the scheme, according to F. I. Lemos, clerk of the school board.

In the meantime plans have been made to temporarily relieve the congestion in the old school. The board at its last meeting decided to accommodate classes of manual training and domestic science, which have been added to the curriculum, in two rooms in the basement. It was planned by the board to build a \$20,000 annex to the old school but this proposition was defeated at a recent bond election.

VISALIA SUGAR FACTORY.

VISALIA—The biggest sugar campaign in the history of the Visalia Sugar factory has opened. The factory has been remodeled and is ready for a record output of sugar. Last year about 44,000 bags of sugar were turned out and this year close to 100,000 bags is the expected output. Last year the run was about two months and it is confidently expected that the run this year will be four months. Beets are now being harvested in the Alpack district, but the harvesting in the Visalia section will be started immediately. Over 5500 acres have been planted and the beets are running over 16 per cent in sugar, a high average. Kings, Kern and Tulare counties are furnishing the beets.

CONTRACTORS' LICENSE ORDINANCE WITHDRAWN.

The proposed ordinance to license building contractors and place them under bond, pending before the Los Angeles city council, was withdrawn this week just before the public hearing scheduled for Tuesday morning. Opposition to the measure was promised from various interests and it was deemed advisable by the Master Builders of Los Angeles, which initiated the measure, to revise the ordinance after conference with other organizations of building interests before putting it to vote by the councilmen. It is intended to have the ordinance more carefully prepared to eliminate features claimed to be unconstitutional, and the framers of the proposed ordinance are willing to omit the bond requirement.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

RESIDENCES—3, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, A. A. Russell, 75 Brospan street, S. F. Location, west 25th avenue north of California. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—5 story and base. Class C construction, \$60,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, O'Brien Bros. Location, south Bush 239 1/2 west of Powell. Will contain seventy apartments. Plans complete and segregated figures being taken.

APARTMENT HOUSE ALTERATIONS—2 story, frame. Cost not stated. San Francisco. Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner's name not given. Location near 16th street. Plans being prepared.

RESIDENCE—2 story and base, frame. Cost not stated. San Francisco. Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner, Herbert Helwig. Location, St. Francis Wood. Will contain nine rooms, bath, sleeping porch and separate garage. Plans being prepared.

RESIDENCE—1 1/2 story and base, frame, \$2,500. San Francisco. Architect, A. M. Sylvia, 271 30th avenue, S. F. Owner, W. H. Rushing, 543 41st avenue, S. F. Location, east 41st avenue north of Anza. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 2 story and base, frame. Cost not stated. San Francisco. Architect, none. Owner, Albert A. Russell, 75 Brospan street, S. F. Location, west 17th avenue north of California. Will contain six and seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. Location, southwest Ashbury Terrace and Upper Terrace. Will contain eight rooms, two baths and sleeping porch. Basement garage. Plans complete and work to be done by Day Labor.

HOSPITAL—2 story and base. Class A construction, \$90,000. San Francisco. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. Location, Grove and Polk streets. Designed for a Central Emergency Hospital. Two additional stories to be added later. Plans complete and figures for general construction being taken. Bids to be opened by the Board of Public Works on July 19th.

HOSPITAL STAIRS—Reinforced concrete, \$2,500. San Francisco. Architect, Albert Lapachet, 110 Sutter street, S. F. Owners, French Hospital Association. Location, Sixth avenue and Cle-

ment. Ten sets of stairs, with iron pipe railings. Bids being taken for both reinforced concrete and terrazzo.

HOSPITAL WIRING—\$19,887. San Francisco. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. The Globe Electric Co. submitted the lowest figure for electric wiring in the northeast wing of the San Francisco Hospital. They will probably be awarded the contract.

APARTMENT HOUSE—4 story and base, brick and steel, \$85,900. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners, Gerard Investment Co. Location, southeast Hyde and O'Farrell, covering an area of 76 by 70 feet. Will contain four stores and 35 apartments. Plans complete and segregated figures being taken.

AUDITORIUM ALTERATIONS—Cost not stated. San Francisco. Architect City Department of Architecture, City Hall. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on July 19th for alterations to the organ balcony.

HOSPITAL ELECTRIC WORK—\$19,887. San Francisco. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. All bids received for the electric work in the northeast wing of the San Francisco Hospital have been rejected and new figures are being taken. Bids will be opened on July 14th.

UNDERTAKING PARLOR—2 story and base, frame. Cost not stated. San Francisco. Architect, C. O. Clausen. Hearst Bldg., S. F. Owner's name withheld. Location, Mission street near 16th. Will contain office, chapel and living apartments. Plans being prepared.

RESIDENCES—4, 2 story and base, frame, \$15,000 to \$20,000. San Francisco. Architects, E. P. Antonovich and Harvey E. Harris, Monadnock Bldg., S. F. Owner's name not given. Location, Claremont Court. Houses will contain from twelve to fourteen rooms, several baths and separate garages. Plans being prepared.

RESIDENCE—2 story and base, brick, \$11,500. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location, Sloat Boulevard. Will contain nine rooms and three baths. Separate garage. Plans complete and segregated figures being taken.

CORE BORINGS—Cost not stated. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids will be received by the Board of Public Works on July 26th for making core boring for the Hetch Hetchy Aqueduct. Complete information can be secured from the office of the City Engineer.

STORES AND LOFTS—2 story and base, Class C construction, \$25,000. San Francisco. Architect, C. O. Clausen,

Hearst Bldg., S. F. Owner, J. H. Burns. Contractor, Charles Coburn, 1030 24th street. Contract price, \$25,000. Location, southeast corner Mission and 16th streets, covering an area of 105 by 95 feet.

OAKLAND AND ALAMEDA COUNTY

CULVERTS—Reinforced concrete. Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on July 18th at 10 a. m. for culverts authorized under the following resolution: That the southern one-half of a concrete culvert 6 feet by 6 feet inside dimensions, and 125 feet long be constructed in Codornices Creek across Ordway street, and that earth fill be made in said street south of the north boundary line of the city of Berkeley.

CULVERTS—Reinforced concrete. Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on July 18th at 10 a. m. for culverts authorized under the following resolution: That the southern one-half of a concrete culvert 6 feet inside dimensions and 149.5 feet long be constructed in Codornices Creek across Talbot avenue, and that earth fill be made in said street south of the northern boundary line of the city of Berkeley to the level of the top of the creek banks.

APARTMENT HOUSE—3 story and base, frame, \$14,000. Oakland, Cal. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner's name withheld. Location, Staten and Belmont streets. Will contain six four-room apartments. Plans complete and subfigures being taken.

RESIDENCES—2, 1 story and base, frame, \$1,500 each. Albany, Alameda Co., Cal. Architect, none. Owner, A. R. Morris, 914 Kains avenue, Oakland. Location, west Pomona avenue north of Main. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, G. H. Moore, 110 Jessie street, S. F. Location, north Beck street west of 73rd avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, M. E. Taylor, 1607 Sonoma avenue, Berkeley. Location, east Edward north of Channing Way. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Albany, Alameda Co., Cal. Architect, none. Owners, United Home Builders, 1567 Broadway, Oakland. Location, south Joseph east of Samuel. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,200. Oakland, Cal. Architect, none. Owner, Justis Norris, 2825 Richmond avenue, Oakland. Location, east Loma Vista north of Hopkins. Will contain five rooms. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,100. Oakland, Cal. Architect none. Owner, I. W. Botton, 247 63rd street, Oakland. Location, east Claremont north of Hudson. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1,800. Oakland, Cal. Architect, none. Owner, Peter Randlow, 1302 West street, Oakland. Location, 1302 West street. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—2 story and base, frame, \$5,000. Oakland, Cal. Architect, none. Owner, Richard Gates, 1350 Vista street, Oakland. Location, northeast corner East 55th and Division. Will contain 11 apartments. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. Oakland, Cal. Architect none. Owner, Henry Jacks, 5126 California street, S. F. Location, southwest Santa Rita and Rosedale. Will contain store and residence of six rooms. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect none. Owner, Robert R. Gates, Central Bank Bldg., Oakland. Location, south Lewis east of 62nd avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—5, 1 story and base, frame, \$1,600. Oakland, Cal. Architect none. Owner, C. M. MacGregor, 470 13th street, Oakland. Location, north Hearst avenue east of Lincoln. Will contain five rooms each. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. The following contracts for street work have been awarded: The improvement of East 16th street, from the southeast line of 55th avenue to the northwest line of 57th avenue by grading, redwood curbs, concrete gutters 3 inches wide and oil macadam pavement. Awarded to The Oakland Paving Co., 5000 Broadway, Oakland.

The improvement of portions of the northeast half of Weld street by grading, redwood curbs, concrete gutters 3 feet wide, oil macadam pavement and cement sidewalk 5 feet wide. Awarded to The Hutchinson Co., 13th and Franklin streets, Oakland.

Contracts Awarded.

BRIDGES—2, reinforced concrete. Cost as follows. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County, Contractors, Western Construction Co., Russ Bldg., S. F., bridge on county road No. 1461. Contract price, \$7,289. D. McDonald, Tesla road, Livermore bridge over Arroyo La Laguna. Contract price, \$11,033.

STREET PAVING—\$66,553.33. Alameda, Alameda Co., Cal. Engineer, City Engineer, Alameda. Owner, City of Alameda. Contractors, Clarke & Henry, Gehner Bldg., Sacramento. Contract price, \$66,553.33.

SAN JOSE AND THE SANTA CLARA VALLEY

HIGHWAY IMPROVEMENTS—Cost as follows. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. The following bids were received by the County Board of Supervisors for resurfacing of Section A of the Alviso road in Supervisor District No. 5. Surveyor's estimate, \$2,750. Ransome-Crummey Co., First National Bank Bldg., Oakland, \$2,900; Raich, Improvement Co., 1108 Crocker Bldg., S. F., \$2,880; J. W. McDonald, Bank of Italy Bldg., San Jose, \$3,719. All bids were taken under advisement.

SEWER CONSTRUCTION—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Plans prepared by the County Surveyor for a sewer to connect the Santa Clara Infirmary with the city of San Jose, were approved by the County Supervisors at their last meeting and bids have been ordered received up to August 7th at 11 a. m. Plans for the work may be had from County Clerk Henry A. Pfister.

RICE MILL—2 and 4 story, mill construction, \$50,000. South San Francisco, San Mateo Co., Cal. Architects, O'Brien Bros., 210 Montgomery street, S. F. Owners, Growers' Rice Milling Corporation. Location, South San Francisco. Revised plans are being prepared to meet the conditions of the new site. Plans nearly ready for figures.

SCHOOL—1 story and base, concrete and frame. Cost not stated. Palo Alto, Santa Clara Co., Cal. Architect John J. Donovan, Dalziel Bldg., Oakland. Owners, Stanford School District. Palo Alto. Location, County Road and Santa Ynez street. Will contain three class rooms, domestic science department, library and teachers' room. Plans complete and figures to be opened on July 17th at 11 a. m.

HIGHWAY CONSTRUCTION—\$2,810. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Salinas. Owners, Monterey County. Kunze & Haggard. Salinas submitted the lowest bid at \$2,810 for the new road in the Tularecitos Road District and will probably be awarded the contract.

Contracts Awarded.

PUMPING UNIT—Cost not stated. Burlingame, San Mateo Co., Cal. Engineer, Town Engineer, Burlingame. Owners, Town of Burlingame. Contractors, Fairbanks-Morse Co., 651 Mission street, S. F. Contract price not stated.

MARIN, CONTRA COSTA AND SONOMA COUNTIES

PAVING—Cost not stated. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Irrespective of the fact that prominent lawyers have passed on the proceedings for the improvement of the northwest district and have given it as their opinion that the proceedings are according to law, the City Council will not attempt to force the Worswick Construction Co. to sign the contract which it was awarded, but instead new proceedings will be started and it is expected that bids will be opened again about the first of August. City Attorney Smith of Fresno, attorney for the Worswick Co., examined the proceedings and advised the Worswick

Co. not to sign, it being his contention that a defect exists in the proceedings. However, the legal representatives of the Ransome-Crummey Co. has passed on the proceedings and states that they are perfect.

STREET PAVING—\$100,000. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Plans and specifications for the \$100,000 street improvement job contemplated by the City Council in the north-eastern district of this city have been completed by City Engineer T. D. Kilkenny and will be presented to the City Council at its next meeting. It is the intention of the Council to approve the plans and open bids about August 1st.

HIGHWAY CONSTRUCTION—Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, County Surveyor Arnold, Martinez. Owners, Contra Costa County. At their next meeting the Supervisors will consider the plans and specifications prepared by County Surveyor Ralph R. Arnold for Division No. 3 and Division No. 4 of the county highway. Division No. 3 covers the county highway from the county line east of Byron to the town of Byron, thence north a distance of 2½ miles. Division No. 4 covers the link between Pittsburg and Antioch, about 3 miles. The latter route will follow the present highway to the Associated Oil pumping station, thence paralleling the Southern Pacific Railroad to Pittsburg.

HIGHWAY CONSTRUCTION—Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, County Surveyor Arnold, Martinez. Owners, Contra Costa County. Bids will be opened on July 24th at 11 a. m. for furnishing of materials and labor and grading and preparing the sub-grade, building bridges and culverts and excavating for bridges and culverts and building road with a concrete base on Division No. 3 of the county highway. Location: Commencing at the county boundary line near the southeast corner of the county where said boundary is crossed by the Southern Pacific Railway Company's line and parallel said line to the town of Byron, from which point it runs north to the northeast corner of Section 28, a total distance of 8.14 miles.

HIGHWAY CONSTRUCTION—Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, County Surveyor Arnold, Martinez. Owners, Contra Costa County. Bids will be opened on July 24th at 11 a. m. for furnishing of materials and labor and grading and preparing the subgrade, building bridges and culverts, excavating for bridges and culverts and building road with a concrete base on Division No. 4 of the county highway. Location: Beginning at the west incorporate line of the town of Antioch, and running westerly along the present highway to the Standard Oil Pumping Station, where it leaves the main highway and parallels the Southern Pacific Railway right-of-way to town of Pittsburg, a distance of 3.19 miles.

RESIDENCE—2 story and base, frame, \$2,500. Martinez, Contra Costa Co., Cal. Architects, Shimer & Bugbee, Dalziel Bldg., Oakland. Owner's name withheld. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

FLATS AND STORE—1 story and base, frame, \$1,500. Richmond, Contra

Costa Co., Cal. Architect, none. Owner, John Lindieich, 23rd and Main streets, Richmond. Plans complete and work to be done by Day Labor.

SCHOOL—1 story, frame and plaster \$18,000. Richmond, Contra Costa Co., Cal. Architect, J. B. Ogborn, 464 13th

FLAT ALTERATION—2 story and street, Richmond. Owners, City of Richmond. Carl Overaa, 1808 Roosevelt avenue, Richmond, submitted the lowest figure for the general construction of the new Tenth Street School at \$16,377. J. C. Hurley, S. F., submitted the lowest figure for the heating at \$2,892. Contracts will be awarded the lowest men.

Contracts Awarded.

BRIDGE—Reinforced concrete, \$7,269. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Contractor, W. L. Proctor, 612 Sonoma avenue. Santa Rosa. Contract price, \$7,309.

HIGHWAY CONSTRUCTION—Cost as follows. Martinez, Contra Costa Co., Cal. Engineer, County Surveyor Martinez. Owners, Contra Costa County. The County Supervisors have awarded the contract for the surfacing of ten miles of concrete road from Walnut Creek to the tunnel as follows: For Division No. 1, the City Street Improvement Co., 166 Geary street, S. F., was awarded the work on its bid of \$12,879. For Division No. 2, A. H. Kopperud, 2036 High street, Oakland, on a bid of \$9,337.20.

STREET PAVING—Cost as follows. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Contractors, O'Brien Bros., 274 15th avenue, S. F. Contract prices, \$5,657.27 and \$4,776.18.

HIGHWAY CONSTRUCTION—Cost as follows. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. At the last meeting of the City Council Hutchinson & Co., 13th and Franklin streets, Oakland, being the only bidders on the Toll road, their bid of 30c for curbing, 30c for gutter, 2c for grading and 7c for macadamizing was accepted.

LODGE HALL—2 story, frame, \$10,000. Walnut Creek, Contra Costa Co., Cal. Architect's name not given. Owners, Alamo Lodge of Masons. Contractor, C. Randolph Hook, Walnut Creek. Contract price, \$10,000.

SEWER CONSTRUCTION—\$973. San Anselmo, Marin Co., Cal. Engineer, Town Engineer, San Anselmo. Owners Town of San Anselmo. Contractor, S. S. Abrams, Box 226 Sausalito. Contract price, \$973.

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

RECLAMATION WORK, LEVEE, ETC.—\$50,000. Hanford, Kings Co., Cal. Engineer's name not given. Owners, Lovelace Reclamation District No. 739. At the last meeting of the County Supervisors in response to a request from H. Clawson and Mack Lovelace, the Board approved plans of the Lovelace Reclamation District No. 739, for extensions of reclamation work and levee building.

RESIDENCE—1 story and base frame, \$2,000. Fresno, Fresno Co., Cal. Architect, none. Owner, F. C. Wilson, 2705 Grant street, Fresno. Location, Alta Vista Tract. Will contain five

rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

CHURCH—2 story and base, frame and plaster, \$20,000. Merced, Merced Co., Cal. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Central Presbyterian Church. Will contain main auditorium, Sunday school rooms and pastor's study. Plans complete and figures being taken.

CHURCH—2 story and base, frame and stone, \$12,500. Oakdale, Stanislaus Co., Cal. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Methodist Episcopal Church. Will contain auditorium, Sunday school rooms and social hall. Plans complete and figures being taken.

Contracts Awarded

BRIDGE—Reinforced concrete, \$31,000. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. Contractors, W. A. Kettlewell & Son, Drapper street, Kingsburg. Contract for second half of Kings River bridge, \$31,000.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGE—Reinforced concrete and steel. Cost not stated. Placerville, El Dorado Co., Cal. Engineer, County Surveyor, Placerville. Owners, El Dorado County. Bids will be opened on July 24th at 2 p. m. for the construction of a new bridge across the South Fork of the American River, at a point where the present foot bridge crosses said river at the town of Coloma. County of El Dorado, and for the furnishing of all labor, materials, and mechanical workmanship necessary for the building, construction and completion of such bridge, and the clearing of said ground for the reception of said bridge.

GARAGE—1 and 2 story and base, reinforced concrete. Cost not stated. Stockton, San Joaquin Co., Cal. Architect, Glenn Allen, Monadnock Bldg., S. F. Owner, Mrs. Henery, Stockton. Location, west Sutter south of Market, covering an area of 50 by 200. Plans complete and figures being taken.

FACTORY—1 story, frame. Cost not stated. Oroville, Butte Co., Cal. Architect, none. Owners, Olive Products Co., Oroville. Contractor, A. A. Plagge, Oroville. Contract price not stated. Excavation work complete.

SCHOOL—1 story and base, concrete, brick or hollow tile, \$18,000. Marysville, Yuba Co., Cal. Architect, Chester Cole, Waterland Bldg., Chico Owners, Marysville School District. Designed for a grammar school and will contain besides class rooms, a library and teachers' room. Plans complete and figures to be called for shortly.

SCHOOL—1 story and base, frame. Cost not stated. Chico, Butte Co., Cal. Architect, Chester Cole, Waterland Bldg., Chico. Owners, City of Chico. Designed for a grammar school and will cover an area of 70 by 50 feet. Four class rooms. Plans complete and figures to be opened on July 15th.

SCHOOL—1 story, brick. Cost not stated. Nelson, Butte Co., Cal. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Nelson School District. Will contain two class rooms. Plans complete and figures will be opened on July 17th at 10 a. m.

FLAT—1 story and base frame. Cost not stated. Tehama Co., Cal. Architects, Universal Drafting Bureau, 1841 5th avenue, Oakland. Owner's name withheld. Will contain 20 rooms and accommodate 75 men. Plans complete and figures being taken.

STORES AND LOFTS—2 story and base, brick, \$3,500. Sacramento, Cal. Architect, P. A. S. Foale, Ochsner Bldg., Sacramento. Owner, Charles M. Campbell. Location, Oak avenue between 5th and 6 streets. Bids in and under advisement.

BRIDGE—Reinforced concrete, \$4,270. Marysville, Yuba Co., Cal. Engineer, County Surveyors of Yuba and Nevada Counties, Marysville. Owners, Yuba and Nevada Counties. Plans and specifications prepared by the County Surveyors of Nevada and Yuba Counties have been completed and are being considered by the Yuba County Supervisors for the proposed reinforced concrete bridge to be constructed over Dry Creek at Spenceville. The bridge will be constructed by both Yuba and Nevada Counties.

CON AWARD

BRIDGE—Reinforced concrete. Cost as follows. Auburn, Placer Co., Cal. Engineer, County Surveyor Conroy, Auburn. Owners, Placer County. Contractor, Henry C. Nolte, Auburn. Contract price, excavation, 40c cubic yard; reinforced concrete, \$11.20 cubic yard; piles, caps, etc., in place, \$615.

WATER PIPE—Cost not stated. Eureka, Humboldt Co., Cal. Engineer, City Engineer, Eureka. Owners, City of Eureka. All bids for furnishing wood stave pipe to the city have been rejected. The City Clerk has been instructed to advertise for bids for redwood or metal pipe. Plans and specifications can be had from the office of the City Clerk.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on July 20th at 11 a. m. for street improvements authorized under the following resolutions: That 3rd street from the south line of Q street to the north line of T street, be improved by grading the roadway and constructing thereon an asphaltic macadam pavement, consisting of a hydraulic concrete foundation 4 inches thick at the gutter and running to 5 inches thick, and an asphaltic macadam wearing surface 1½ inches thick; reconstructing 4 concrete manholes and 1 concrete catch basin.

That Madrone avenue, from the east line of 37st street to the west line of 40th street, be improved by constructing concrete gutter and concrete curb, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes; 6, 8 and 12-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

That 14th avenue in Oak Grove, from the sewer in place of Lower Stockton road to the west line of East avenue, be improved by constructing concrete

curb, concrete gutter, placing cast iron gutter drains with 6-inch, vitrified ironstone sewer pipe elbows attached; concrete manholes, 6 and 8-inch, vitrified, ironstone sewer pipe drains, placing 2 6-inch, vitrified, ironstone Y branches, grading the area between the curb and property line, constructing concrete sidewalk 5 feet wide and 7½ inches thick; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

Contracts Awarded.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer: City Engineer, Sacramento. Owners: City of Sacramento. Contracts have been awarded for street improvements under the following resolutions: That the alley between M and N streets, from the east line of 24th street to the west line of 25th street, be improved by constructing one concrete catch basin complete, placing 8 linear feet of 8-inch, vitrified, ironstone sewer pipe drain; reconstructing 1 concrete manhole; grading the roadway and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to McGillivray Construction Co., 1007 7th street, Sacramento.

That the alley between L and M streets, from the east line of 4th street to the west line of 5th street, be improved, constructing 192 linear feet of concrete curb wall; 1 concrete catch basin complete; reconstructing 1 concrete manhole; placing 6 linear feet of 8-inch, vitrified, ironstone sewer pipe drain; grading the alley and constructing thereon an asphalt pavement, consisting of an asphalt macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to The McGillivray Construction Co.

That 24th street, from the north line of the alley between Y and Z streets to the north line of Bonita avenue, be improved by constructing concrete curb, 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes complete; grading the space between the property line and curb; concrete sidewalk; grading the roadway, concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

That Miller avenue in Wright & Kimbrough Tracts Nos. 27 and 30 be improved, also that the alleys on the north, east and west sides of Wright & Kimbrough Tract No. 27 be improved by constructing 8 and 10-inch vitrified, ironstone pipe sewers, 7 concrete manholes complete, 2 6-inch flusher branches complete and 110 6-inch Y branches with covers. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

SEPTIC TANK—\$6,677. Auburn, Placer Co., Cal. Engineer, City Engineer, Auburn. Owners, City of Auburn. Contractors, Harp Bros., Modesto. Contract price \$6,677.

SCHOOL GYMNASIUM—Concrete and frame. \$13,533. Yreka, Siskiyou Co., Cal. Architect's name not given. Owners, Siskiyou Union High School District. Contractor, O. L. Cooper. Weed Contract price, \$13,533. Size, 75 by 130 feet.

GARAGE—1 story and base, reinforced concrete, \$17,500. Sacramento Cal. Architect, F. A. S. Poale, Ochsner Bldg., Sacramento. Owner's name not given. Location, 14th and K streets. Designed for a commercial garage. Foundations and exterior walls heavy enough to carry five additional stories. Plans being prepared.

LOS ANGELES & SOUTHERN CALIFORNIA.

STREET PAVING, ETC.—\$15,388.79. Riverside, Riverside Co., Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Johnson-Shea Co., 500 Market street, Riverside. Contract price, \$15,388.79.

COLD STORAGE PLANT—1 story, frame and corrugated iron, \$100,000. Brawley, Imperial Co., Cal. Engineers, C. M. Gay & Sons, Los Angeles. Owners, The Southern Sierras Power Co. of Riverside. Cold storage plant 100 by 100 feet of reinforced concrete; ice manufacturing plant, 80 by 100 feet, frame and corrugated iron; ice dock, 14 feet wide, 15 feet high and 860 feet long. Plans complete and work to be done by Day Labor.

SCHOOL—1 and 2 story and base, brick, \$39,000. Culver City, Los Angeles Co., Cal. Architect, O. P. Dennis, Fay Bldg., L. A. Owners, Culver City. Contractors, C. W. Kent & Son 429 South Brand Boulevard, Glendale. General construction. Contract price \$39,000. Lohman Bros., plumbing, \$2,148. H. T. Miles & Son, painting, \$1,650. F. O. Engstrom Co., electric work, \$770.

RESIDENCE—2 story and base, frame. Cost not stated. Los Angeles, Cal. Architects, E. W. Charlton & Co., Haas Bldg., L. A. Owner, R. J. Gaffney. Location, Windsor Square. Will contain 14 rooms and 3 baths. Plans being prepared.

MASONIC HOME—2 story and base, reinforced concrete, \$75,000. Covina Los Angeles Co., Cal. Architect, John F. Blee, Union League Bldg., L. A. Owners, Masonic Home Association. Location, near Covina. Plans complete and figures being taken. Bids close July 17th.

LOFTS—3 story and base, brick and steel. Cost not stated. Los Angeles, Cal. Architect, Richard D. King, Van Nuys Bldg., L. A. Owners, W. A. and M. T. Glascock, The Puritan Coffee and Tea Co., 7574 South Los Angeles street, L. A. Location, Tracion avenue near Alameda, covering an area of 75 by 120 feet. Plans complete and segregated figures being taken by the owners.

HIGHWAY CONSTRUCTION—\$13,827.47. Los Angeles, Cal. Engineer County Surveyor, Los Angeles. Owners, Los Angeles County. Bids will be received by the Board of Supervisors of Los Angeles County up to 2 p. m. of Monday, July 17, 1916, for constructing concrete pavement with disintegrated granite base and sand base, expansion joints and bituminous wearing surface on Alsea Drive, from Slauson avenue north to the city boundary, a distance of about 2.08 miles, in Road Improvement District No. 95.

HIGHWAY CONSTRUCTION—Cost as follows. Los Angeles, Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. P. A. and C. H. Howard, 2128 Sacramento street, L. A. were the lowest bidders at \$86,375.44 for improving Section G of the Mint Canyon road. The next lowest bid was submitted by Bent Bros., 607 South Main street, L. A., at \$92,453.34. The engineer's estimate was \$91,613.85. The bids were taken under advisement.

HIGHWAY CONSTRUCTION—Cost as follows. Los Angeles, Cal. Engineer, County Surveyor, Los Angeles. Owners, Los Angeles County. Rogers Bros., Hibernian Bldg., L. A., were the lowest bidders at \$15,900 for improving 2.62 miles of highway on Vine avenue, from Glendora avenue to Citrus street, near Covina, in Road Improvement District No. 55. The next lowest bid was submitted by Fred Hoffman, 111 East 12th street, Long Beach, for \$18,900. The engineer's estimate was \$21,900.81. The county will furnish the stone and oil. The bids were referred to the highway engineer for report.

STREET IMPROVEMENTS—Cost not stated. Ontario, San Bernardino Co., Cal. Engineer, City Engineer, Ontario. Owners, City of Ontario. Bids will be received by the City Clerk up to 7:30 p. m. July 17th, 1916, for the construction of approximately 49,150 square feet of 4-inch concrete pavement with asphaltic oil wearing surface on certain alleys in the city of Ontario, in accordance with the plans etc., on file in the office of the City Engineer. Bids must be accompanied by a certified check or bond for 10% of the amount bid.

Contracts Awarded.

BRIDGES—2, reinforced concrete. Cost as follows. Santa Barbara, Santa Barbara Co., Cal. Engineer, E. T. Flaherty and McCurdy Bros., Santa Barbara. Owners, Santa Barbara County. Contractor, J. O. Jalliss, Santa Barbara. Gaviota Creek bridge, \$9,460. Second bridge, \$7,920.

PSYCHOPATHIC BUILDINGS—2 story and base, brick, \$22,775. Los Angeles, Cal. Architect, George Low. Hall of Records, L. A. Owners, Los Angeles County. Contractors, The National Fireproofing Co., Central Bldg. L. A. Contract price, \$22,775.

APARTMENT HOUSE—4 story and base. Class C construction, \$88,000. Los Angeles, Cal. Architect, J. F. Kavanaugh, Union Oil Building, L. A. Owners, Mrs. Ella H. Potts and Mrs. Rowena T. Caruthers. Contractor, A. S. Barnes, Union Oil Building, L. A. Contract price, \$88,000.

RESIDENCE—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, H. H. Whiteley, Story Bldg., L. A. Owner, S. M. Cooper. Contractors, Cooper-Pyle-Clopine Co., Story Bldg., L. A. Contract price not stated.

SCHOOLS—2, 2 story and base, frame, \$21,440. Los Angeles, Cal. Architect, Architectural Department Board of Education, L. A. Owners, City of Los Angeles. Contractors, The Walter Slater Co., 2214 Santa Fe avenue, L. A. Contract price, \$21,440.

CULVERTS—\$15,745. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Contractors, Mesner & Rice, Marsh-Strong Bldg., L. A. Contract price, \$15,745.

STREET PAVING—\$11,721. Hemet, Riverside Co., Cal. Engineer, Town Engineer, Hemet. Owners, Town of Hemet. Contractors, The Connor Construction Co., Higgins Bldg., L. A. Contract price, \$11,721.

SEWERS, GUTTERS AND GRADING \$15,310.85. Los Angeles, Cal. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Contractors, The Coast Construction Co., 1419 East 29th street, L. A. Contract price, \$15,310.85.

PORTLAND AND OREGON

Contracts Awarded.
PAVING WATERFRONT—\$43,707.71. North Bend, Ore. Engineer, City Engineer, North Bend. Owners, City of North Bend. Contractors, Anderson & Klockers, North Bend. Contract price, \$43,707.71.

SEATTLE AND WASHINGTON

MARKET—1 story and base, reinforced concrete, \$30,000. Seattle, Wash. Architects, Stephen & Stephen, New York Block, Seattle. Owners, Pine Street Investment Co. Location, Pine street and Seventh avenue, covering an area of 110 by 120 feet. Plans complete and figures being taken.

BUILT IN 1787.

The sloop "Jenny," built of oak in 1787, is still afloat. That "Jenny's" certificate of registry shows that she was constructed at Nevin, Carnarvonshire. She is described as "a ship of one deck, one mast, sloop-rigged, a round stern of carvel build, with neither head nor gallery, and with frame work of wood. Length, 46 feet; breadth, 12 feet 8 inches; depth, 5 feet 9 inches; register tonnage, 19.11." During her existence of 129 years, the "Jenny" has passed through many hands, and Mr. G. J. Binding, of Cardiff, is the present managing owner. The ancient craft has, more than once, been driven ashore, but has never sustained serious damage.

NINE BLOCKS LISTED.

MARYSVILLE (Yuba Co.)—Plans and specifications were ordered drawn by the City Council at its last meeting for nine blocks of improved street in this city. The following territory is covered: Seventh street from C to F; C from Sixth to Seventh; Sixth from C to F; F from Fourth to Sixth.

SCHOOL BOND ISSUE ILLEGAL.

MODESTO, Cal.—Attorney General Webb has stated definitely that the \$150,000 bond issue voted by the people is illegal. Webb states that the election was called under the city charter whereas it should have been called according to the requirements of the school law. The high school trustees will probably call another election.

MERCED TO HAVE ADDITIONAL LIGHT.

MERCED, Cal.—The city trustees have decided to form a lighting district to embrace the business section of the city for the purpose of lighting the streets with electrolights. Charles

T. Phillips, an electrical engineer of San Francisco, was retained to take full charge of the installation of the electrolights with instructions to give Merced the most modern and serviceable lights on the market. The cost of installation must be borne by the property owners in the district, but maintenance and light bills will be paid by the city.

FOREST NOTES.

About 700 million feet of timber was cut on the National Forests in 1915.

Experiments with jack pine have shown that it is well suited for making kraft paper. On some of the National Forests this tree is used to plant land which is too poor to grow other timber.

A new fire-fighting tool has been invented by a Forest ranger in California which consists of an interchangeable hoe and rake. It is said to be the best tool of the sort yet devised.

The use of osage orange for making dyes promises to be extensive. The Forest Products Laboratory is making a census which shows that the supply of the wood is more than ample to meet present needs.

In parts of the West the Forest Service is co-operating with the Weather Bureau in distributing weather forecasts to the settlers. By the use of Forest Service telephones many isolated sections are reached which could not otherwise receive the reports. Sheepmen owning bands of lambing ewes will be particularly benefited, as the warnings enable them to get their sheep under shelter and avoid the losses sometimes caused by late spring storms.

SANTA FE ENGINEERS LOOKING OVER SITE FOR DEPOT.

PITTSBURG, Cal.—Representatives of the Engineering department of the Santa Fe Railway Company were here recently collecting data in connection with the site for the new fifteen thousand dollar depot that will be erected by the company this summer. It is not stated when the work will commence.

NEW CHAMBERS OF COMMERCE IN SOUTH INDIA.

MADRAS, India.—Two new chambers of commerce have been organized in South India, at Bangalore, Mysore, and Belzawa, Godavari District. The latter has not yet enrolled many members and the details of organization have not been perfected, but the Mysore Chamber promises to take rank with the six other large chambers of commerce in this region, two of which are at Madras, and others at Cochin, Tuticorin, Cannanada and Pondicherry.

The general plan of organization of the Mysore Chamber of Commerce and its aims, as explained in the Times of India, are:

A subcommittee appointed to draft rules has based them on those in force in the Aden Chamber of Commerce, with certain modifications due to local conditions. The Aden rules have been adopted as being suitable to an area that has not yet reached a high stage of commercial development.

Provided there are on the register not less than 50 members on the day of election, the chamber will have the

right of returning one member to each of the following bodies: (1) The Mysore Legislative Council; (2) the Bangalore Municipality; (3) the Mysore Economic Conference; and (4) the Industries and Commerce Committee of the Mysore Economic Conference. It is considered necessary that these privileges should be granted from the outset, not only to enable the chamber to realize its responsibilities in matters relating to trade and industry, but also to make it possible for it to command sufficient influence among the entire mercantile community. The chamber will have no official connection with any department of Government, but will remain an entirely independent body, and it will be under no other obligation than those with reference to market reports, etc. The rules provide for two classes of members, resident and nonresident, and in order that the various interests may be fully represented on the committee, there will not be more than two members on it representing the same class of business and not less than six of the committee shall be domiciled subjects of the Maharajah.

LONG DELAYED BRIDGE CONTRACT SIGNED.

WOODLAND, (Yolo Co., Cal.)—The Clinton Construction Co., 140 Townsend St., San Francisco, has signed the contract for the Yolo-Solano bridge across Putah Creek on the State Highway between the two counties. The contract price is \$35,000 and work is to start immediately and to be completed in five months.

This contract is \$3,500 in excess of the original bid, the carrying out of which was held up on account of disagreement between the Yolo County Supervisors and the State Highway Commission. The cost of the structure will be divided between the two counties.

RIVERS AND HARBORS BILL.

WASHINGTON—Conferees on the river and harbor appropriation bill have agreed on a measure carrying \$42,886,000. The bill as it passed the House carried \$39,600,000 and as it passed the Senate \$44,000,000. The item of \$1,080,000 for a diverting dam in Los Angeles harbor was reduced to \$500,000 and to an appropriation of \$220,000 for the improvement of San Diego harbor the conferees attached a provision requiring the city to donate 500 acres of tide lands instead of leaving the donation optional with the city.

RICHMOND BUILDING GOOD.

RICHMOND—Twenty-nine building permits were issued in Richmond during the month of June and the total amount of new building amounted to \$30,205, according to the report filed with the City Council by Building Inspector L. W. Weir. Nineteen electrical permits were issued. The total amount of fees collected for all permits amounted to \$186.50.

CALIFORNIA OIL.

WASHINGTON—California is still leading the United States in oil production. Petroleum marketed from California oil fields during the first half of 1916 amounted to 45,500,000 barrels, according to a statement of the geological survey. This is a larger amount than any other State marketed (Oklahoma and Kansas together selling only 50,500,000 barrels.

Building Contracts Let and Recorded

Completion Notices, Liens Filed and Releases.

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Am't.
2002	Conservative	Owner	5800
2003	Spiro	Spiro	12500
2004	Wilson	Wilson	5700
2005	Scoble	Scoble	5000
2006	Robello	Horstman	400
2007	Grady	Grady	400
2008	Mann	Rosenberg	400
2009	Allen	Allen	5000
2010	Allen	Allen	4750
2011	Allen	Allen	4750
2012	Dietsche	Baumman	400
2013	Jordan	Muller	1450
2014	Robello	Healing	500
2015	Ede	Ede	400
2016	Urban	Urban	4000
2017	Burke	Burke	450
2018	Tietjen	Caron	400
2019	Nealson	Nealson	450
2020	Frye	Montague	400
2021	Nugent	Ross	1750
2022	Nolan	Carter	400
2023	McIntyre	Olson	870
2024	Rushing	Rushing	2250
2025	Same	Nelson	5900
2026	Same	Wittman	595
2027	Same	National Elec	180
2028	Same	Passani	400
2029	Same	Pacific Blower	325
2030	Di Vecchio	Di Vecchio	700
2031	Attridge	Attridge	1000
2032	Rosenberg	Rosenberg	1000
2033	Charles	Todhunter	850
2034	Scoble	Scoble	5000
2035	Moody Est	Larsen	28600
2036	Columbia Mk't.	Brandt	1250
2037	Spiro	Malloch	15500
2038	Hammon	Brady	3505
2039	Gingg	Burnham	1330
2040	Reardon	Gilmour	6282
2041	Clahasy	Costelloe	1550
2042	Hostetter	Chase	6000
2043	Fool	Fischer	4000
2044	Gebhart	Holdener	2922
2045	Pavilion Ice	McLeran	10000
2046	Keil	Stockholm	400
2047	Pac Box Pctry	Pattinson	1500
2048	Sanders	Sanders	700
2049	Oppenheimer	Graham	1000
2050	Graham	Branton	400
2051	Packett	Daspit	400
2052	Creighton	Lindberg	400
2053	Russell	Russell	3000
2054	Russell	Russell	3000
2055	Russell	Russell	3000
2056	Callow	Secor	1915
2057	Svgs Union Bk.	Maudreld	1115
2058	Same	Makin	2543
2059	Same	U S Mtl	322
2060	Same	Sunset Iron	818
2061	Same	Spence Elev	1600

FRAME RESIDENCE

(2002) S FILBERT 76-3 W Pierce.
Two-story and basement frame residence.
Owner.....Conservative Bldg. & Invst
Co., 200 Phelan Bldg., S. F.
Architect...Chas. E. J. Rogers, Phelan
Bldg., San Francisco.
Day's work. COST, \$5800

FRAME FLATS

(2003) NW WASHINGTON AND Buchanan.
Two-story and basement frame (2) flats.
Owner.....M. E. Spiro, 309 Market
San Francisco.
Architect...None.
Day's work. COST, \$12,500

ALTERATIONS

(2004) NO. 1449 LEAVENWORTH.
Raise present building, arrange for garage in basement, new social hall, windows wall beds, buffets, gas heaters, instantaneous water heaters

and replace damage plumbing and add fire escapes for 6 flats.
Owner.....Mrs. E. T. Wilson, Prem.
Architect...None.
Day's work. COST, \$5700

FRAME DWELLING

(2005) E ASHBURY 49 W Upper Terrace.
Two-story and basement frame dwelling.
Owner.....Thos. Scoble, 263 14th Ave., San Francisco.
Architect...E. E. Young, 251 Kearny, San Francisco.
Day's work. COST, \$5000

REPAIRS

(2006) NO. 3554 SACRAMENTO. Repair pair fire damage.
Owner.....D. Robello, San Rafael.
Architect...None.
Contractor...E. Horstman, 1791 Market, San Francisco.
COST, \$400

ALTERATIONS

(2007) NO. 26 BOSWORTH. Alter dwelling.
Owner.....J. Grady, 35-A San Carlos Ave., San Francisco.
Architect...None.
Day's work. COST, \$400

CONCRETE GARAGE

(2008) NO. 2140 LAKE. One-story concrete garage.
Owner.....H. R. Mann, Premises.
Architect...None.
Contractor...E. Rosenberg, 2519 Washington, San Francisco.
COST, \$400

FRAME RESIDENCE

(2009) E TWENTY-EIGHTH AVE 255 N California. Two-story and basement frame residence.
Owner.....Allen & Co., 125 Sutter, San Francisco.
Architect...Architectural Dept. of Allen & Co.
Contractor...Allen & Co., 28th Ave and Lake, San Francisco.
COST, \$5000

FRAME RESIDENCE

(2010) E TWENTY-EIGHTH AVE 280 N California. Two-story and basement frame residence.
Owner.....Allen & Co., 125 Sutter, San Francisco.
Architect...Architectural Dept. of Allen & Co.
Contractor...Allen & Co., 28th Ave and Lake, San Francisco.
COST, \$4750

FRAME RESIDENCE

(2011) E TWENTY-EIGHTH AVE 305 N California. Two-story and basement frame residence.
Owner.....Allen & Co., 125 Sutter, San Francisco.
Architect...Architectural Dept. of Allen & Co.
Contractor...Allen & Co., 28th Ave and Lake, San Francisco.
COST, \$4750

FRAME FLATS

(2012) E PRESIDIO AVE 110-9% S Bush S 26-3/4x E 211-5/4. All work for three-story frame flats.
Owner.....F. H. and C. Dietsche, 728 Presidio Ave., S. F.
Architect...Edw. F. Helms, 4303 California, San Francisco.
Contractor...Henry Baumman, 623 22nd Ave., San Francisco.
Filed July 1, '16. Dated June 14, '16.
Owner to make payments of cost of labor and materials to contractor as work progresses.
TOTAL COST, owner to pay cost of labor and material and pay \$30 per week to contractor and also to pay 3% of cost of building to contractor.
Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2013) N CLAY 115 W Scott W 25x 127-8 1/4. Alterations and additions to two-story frame residence.
Owner.....Mrs. P. C. Jordan.
Architect...Chas. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor...E. V. Muller & H. J. Grim.
Filed July 2, '16. Dated July 1, '16.
On 1st and 15th of each month 75%
Usual 25 days. 25%
TOTAL COST, \$1450
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2014) NO. 3554 SACRAMENTO. Alter and repair store and dwelling.
Owner.....Mrs. Robello, 1610 Powell, San Francisco.
Architect...None.
Contractor...Geo. Healing, 110 Jessie, San Francisco.
COST, \$500

ALTERATIONS

(2015) NE TURK AND VAN NESS Ave. Alter show rooms.
Owner.....William Ede Co., Kohl Bldg., San Francisco.
Architect...Wm. Knowles, Hearst Bldg., San Francisco.
Day's work. COST, \$400

FRAME RESIDENCE

(2016) LOT 18 BLK 21, Ingleside Terrace. One-story and basement frame residence.
Owner.....Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.
Architect...Jos. A. Leonard, 85 Cerritos Ave., S. F.
Day's work. COST, \$4000

ALTERATIONS

(2017) NO. 1115 1/2 BRYANT. Alter and repair porches.
Owner.....Jos. P. Burke, 3175 Army, San Francisco.
Architect...None.
Day's work. COST, \$450

FRAME GARAGE

(2018) SW FILBERT AND STEINER. One-story and basement frame garage.

"DON'T FORGET THE BEST"

The Clintonville

Four

Wheel

Drive----

The Motor Truck for Any Road or Any Weather is Making Greater Gains in

**POPULARITY
ROMINENCE and
REFERENCE**

than any other Motor Truck built in America today.

You owe it to yourself to investigate the unapproachable records of FWD's in actual service. They make hauling pay.

Four Wheel Drive Truck Co.

Telephone Market 334 **343 Golden Gate Ave.** *San Francisco*

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa

"DON'T FORGET THE BEST"

WITHOUT EXCEPTION

F. W. D. Trucks operating in California have all been placed on difficult hauls, where many of the best of the rear-drive trucks have been tried out and found wanting.

**Remember—The Front
Wheels Pull, While the
Rear Wheels Push.**

Here are some of our recent purchasers, who are all working one or more F. W. D.'s under city and adverse road conditions—ASK THEM:

Sonoma County Highway Commission, Santa Rosa Cal.

E. M. Moores Bros., Construction Co., San Francisco, Cal.

Leviathan Mines Co., Yucca Ariz.

Federal Drilling Co., Taft, Cal.

W. H. Fisher, Bakersfield, Cal.

John Wagner Fullerton, Cal. (orange grower).

Felix Gelger Contractor, L. A., Cal.

Wawona Hotel Transportation Co., Yosemite, Cal.

Geo. F. Bartlett, Hetch Hetchy, Cal.

G. B. Milne Construction Co., Lakeview, Ore.

C. C. Van Seoy, Los Angeles, Cal.

J. M. Gates, Hetch Hetchy, Cal.

John Crane, Los Angeles, Cal.

C. A. Woodyard, Contractor, L. A., Cal.

Mesa Grande Fuel Co., Brawley, Cal.

Dr. Cummings, Contractor, L. A., Cal.

Owner.....D. W. Tietjen, 2500 Filbert,
San Francisco.
Architect.....None.
Contractor.....Albert Caron, 1021 Pacific,
San Francisco.

COST, \$100

FRAME DWELLING

(2019) NW 1818 30 NE 13th. One-
story and basement frame dwelling.
Owner.....J. Nealon.
Architect.....None.
Day's work.....

COST, \$150

GRADING, ETC.

(2020) SW FRONT AND PACIFIC S
61-8xW 127-6. Grading, excavating
and removal of concrete floor of lot.
Owner.....Frye & Co., 119 Sacra-
mento, San Francisco.

Architect.....Herman Barth, 12 Geary,
San Francisco.
Contractor.....P. Montague Co., 2887
Green, San Francisco.

Filed July 3, '16. Dated July 1, '16.
Grading & excavation done.....\$1087.50
Concrete floor removed and work
completed and accepted.....187.50
Usual 35 days.....425.00

TOTAL COST, \$1700.00

Bond, \$850. Surety, Fidelity & Deposit
Co. of Maryland. Limit, 12 days. For-
feit, \$5. Specifications only filed.

FRAME BUILDING

(2021) W BOYCE 537 N Geary N 25
xW 120. All work except painting
and plumbing for one-story and base-
ment frame dwelling.

Owner.....Catherine Nugent.
Architect.....E. P. Antonovich, Monad-
nock Bldg., S. F.
Contractor.....D. W. Ross & Co., 418
Frederick, S. F.

Filed July 3, '16. Dated June 29, '16.
Enclosed and roof on and floor
laid.....\$437
Brown coated.....437
Completed and accepted.....437
Usual 35 days.....429

TOTAL COST, \$1750

Bond, \$900. Surety, New Amsterdam
Casualty Co. Limit, 60 days. Forfeit,
none. Plans and specifications filed.

REPAIRS

(2022) NO. 78 COOK. Repair dwelling
Owner.....John Nolan, Premises.
Architect.....None.
Contractor.....L. H. Carter, 4635 Irving
San Francisco.

COST, \$100

ALTERATIONS

(2023) NO. 1408 SHOTWELL. Alter
and add to dwelling.
Owner.....Thos. and Mary McIntyre,
Premises.
Architect.....None.
Contractor.....Ol. Olson, 705 Bradford,
San Francisco.

COST, \$870

FRAME RESIDENCE

(2024) E FORTY-FIRST AVE 100 N
Anza. One and one-half-story and
basement frame residence.
Owner.....W. H. Rushing, 542 41st
Ave, San Francisco.
Designer.....A. M. Sylvia.

Day's work.....

COST, \$2250

FRAME FLATS

(2025) E FIFTEENTH AVE 72-8 S
Geary S 25xE 100. Excavation, con-
crete, patent chimneys, iron work,
carpenter, mill, hardwood floors,
terra cotta, tiling, hardware, glazing,

plastering, etc., for two-story frame
flats.

Owner.....Daniel L. Borel, 159 Col-
lingwood, San Francisco.
Architect.....C. A. Meussdorffer, Hum-
boldt Bank Bldg., S. F.
Contractor.....P. Algot Nelson, 4333 19th,
San Francisco.

Filed July 5, '16. Dated June 30, '16.
Ready for roofer.....\$1000
Brown coated.....1100
Ready for painter.....1250
Completed and accepted.....1075
Usual 35 days.....1475

TOTAL COST, \$5900

Bond, \$2950. Surety, The Aetna Acci-
dent & Liability Co. Limit, 60 days.
Forfeit, none. Plans and specifications
filed.

(2026) PLUMBING AND GAS FITTING
on above.

Contractor.....Wittman-Lyman & Co., 341
Minna, San Francisco.
Filed July 5, '16. Dated June 30, '16.
Roughed in.....\$226.25
Completed and accepted.....220.00
Usual 35 days.....148.75

TOTAL COST, \$595.00

Bond, none. Limit, without delay.
Forfeit, none. Plans and specifications
filed.

(2027) ELECTRIC WORK ON ABOVE

Contractor.....National Elec. Co., 105
Turk, San Francisco.
Filed July 5, '16. Dated July 5, '16.
Wiring roughed in.....\$75
Completed and accepted.....60
Usual 35 days.....45

TOTAL COST, \$180

Bond, none. Limit, without delay.
Forfeit, none. Plans and specifications
filed.

(2028) PAINTING ON ABOVE.

Contractor.....Fasani Bros., 2910 Bu-
chanan or 542 Vallejo, S. F.
Filed July 5, '16. Dated July 5, '16.
Interior and exterior 2nd coated.....\$150
Completed and accepted.....150
Usual 35 days.....100

TOTAL COST, \$400

Bond, limit, forfeit, none. Plans and
specifications, none.

(2029) TWO PACIFIC CAST IRON
furnaces on above.

Contractor.....Pacific Blower & Heater
Co., 3261 17th, S. F.
Filed July 5, '16. Dated June 30, '16.
Completed and accepted.....\$225
TOTAL COST, \$225

Bond, limit, forfeit, none. Plans and
specifications filed.

ALTERATIONS

(2030) NOS. 521-523 IVY AVE. Alter
and add to flats.
Owner.....E. R. Di Vecchio, 1558
Stockton, San Francisco.
Architect.....Paul J. Capurro, 1844
Powell, San Francisco.

Day's work.....

COST, \$700

REPAIR SHOP

(2031) S STEVENSON & E New Mont-
gomery. One-story brick repair shop.
Owner.....Walter Atridge, 422 Shar-
on Bldg., San Francisco.
Architect.....None.

Day's work.....

COST, \$1000

(2032) W EIGHTH 57 S Bryant. Con-
crete work, etc., for rag shop.
Owner.....Rosenberg Co., 546 Eighth,
San Francisco.

Day's work.....

COST, \$1000

ADDITION

(2033) NO. 364 TWENTY-SIXTH AVE.
Move, add to and raise dwelling.
Owner.....Miss F. Charles, Premises.
Architect.....None.
Contractor.....Geo. C. Todhunter, 446 29th
Ave., San Francisco.

COST, \$850

FRAME RESIDENCE

(2034) SW ASHBURY TERRACE AND
Upper Terrace. Two-story and base-
ment frame residence.
Owner.....Thos. Scohle, 363 14th Ave.,
San Francisco.
Architect.....E. E. Young, 251 Kearny,
San Francisco.

Day's work.....

COST, \$5000

BRICK WAREHOUSE

(2035) NE BLUXOME 359 NE Sixth NE
70xSE 125. All work for two-story
and basement brick warehouse.
Owner.....Moody Estate Co., Kohl
Bldg., San Francisco.

Architect.....None.
Contractor.....H. H. Larsen & Bro., 62
Post, San Francisco.

Filed July 6, '16. Dated June 19, '16.
Foundation completed.....\$9000
2nd floor joists laid.....6450
Completed.....6000
Usual 35 days.....7150

TOTAL COST, \$28,600

Bond, \$14,300. Surety, New Amsterdam
Casualty Co. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

NOTE.—1st report July 1, 1916. No.
1947.

ALTERATIONS

(2036) NO. 1122 GRANT AVE. All
work for alterations and additions to
building.

Owner.....Columbia Market Co., Lee
Tsen Pi.
Architect.....O'Brien Bros., Inc., 240
Montgomery, S. F.
Contractor.....Brandt & Stevens, 612
Hearst Bldg., S. F.

Filed July 6, '16. Dated July 5, '16.
50% of work completed.....\$625
Completed and accepted.....625

TOTAL COST, \$1250

Bond, none. Limit, 45 days. Forfeit,
none. Plans and specifications filed.

FRAME FLATS

(2037) NW BUCHANAN & WASHING-
ton 28x50. All work for two
story frame buildings (flats).
Owner.....M. E. Spiro, 307 Market,
San Francisco.

Architect.....Heiman & Schwartz,
Nevada Bank Bldg., S. F.
Contractor.....J. S. Malloch, 1942 Page,
San Francisco.

Filed July 6, '16. Dated July 3, '16.
Roof boards on.....\$3875
Brown coated.....3875
Completed and accepted.....3875
Usual 35 days.....3875

TOTAL COST, \$15,500

Bond, \$7750. Surety, Guardian Casualty
& Guaranty Co. Limit, 100 days after
July 6. Forfeit, none. Plans and specifi-
cations filed.

ALTERATIONS

(2038) N WASHINGTON 77-6 E Spruce
N 127-8 1/2xE 65. All work for altera-
tions and additions to building.
Owner.....Mary A. Hammon, 3650
Washington, San Francisco
Architect.....Welsh & Carey, Merchants
National Bank Bldg., S. F.
Contractor.....M. V. Brady, Monadnock
Bldg., San Francisco.

Filed July 5, '16. Dated July 3, '16.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$3805
Bond, \$1903. Surety, National Surety Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(2629) SE LOPEZ 190 SW Pacheco being Lot 22 Blk 16, Forest Hill Tct. Exterior and interior mill work for two-story and basement frame residence.

Owner.....Emil Gingg, 6 California, San Francisco.
Architect...Glenn Allen, 681 Market, San Francisco.

Contractor...Burnham Standeford Co., 1st and Washington, Oakland.

Filed July 6, '16. Dated June 20, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1330

Bond, none. Limit, as fast as conditions permit. Forfeit, none. Plans and specifications, none.

FRAME RESIDENCE

(2610) NE CLIFFORD AND UPPER Terrace. Two-story and basement frame residence.

Owner.....T. A. Reardon, 649 Fell, San Francisco.

Architect...August Headman, Call Bldg., San Francisco.

Contractor...Geo. D. Gilmour, 1953 Howard, San Francisco.

COST, \$6282

FRAME DWELLING

(2611) NO. 307 MOSCOW. One-story and basement frame dwelling.

Owner.....James T. Clahasey, 268 Lexington, San Francisco.

Architect...None.

Contractor...Richard D. Costelloe, 917 Valencia, San Francisco.

COST, \$1350

FRAME FLATS

(2612) S CLAY 187-6 E Franklin. Two story and basement frame (2) flats.

Owner.....Agnes C. and Augustus Hostetter, 2634-A Octavia, San Francisco.

Architect...A. W. Richardson, 937 Church, San Francisco.

Contractor...John G. Chase Jr., 180 Jessie, San Francisco.

COST, \$6000

REPAIRS

(2613) NOS. 42-48 CLAY. Repair fire damage to lodging house and stores.

Owner.....Isabel D. Pool, Care Wm. Lange.

Architect...None.

Contractor...Fred P. Fischer, 180 Jessie San Francisco.

COST, \$1000

FRAME RESIDENCE

(2614) W SHOTWELL 134 S 22nd. Two-story and basement frame residence.

Owner.....Johanna Gebhart.

Architect...None.

Contractor...F. A. Holdener, 3715 Mission, San Francisco.

COST, \$2922

ALTERATIONS

(2615) SE SUTTER AND PIERCE. Brick and concrete basement for machinery room, plaster exterior, add dressing rooms, toilets, skate and

check rooms, tank and piping, re-frigerating machinery, etc., for ice skating rink.

Owner.....Pavilion Ice Palace, Prem. Constr. Eng., Jas. T. Ludlow, 604 Mission, San Francisco.

Contractor...McLeran & Peterson, Shar-Bldg., San Francisco.

COST, \$10,000

FRAME ADDITION

(2616) W MISSION 112-9 N 22nd. One story frame additions to present store building.

Owner.....Kell Estate Co., Flood Bldg San Francisco.

Architect...Reid Bros., 105 Montgomery, San Francisco.

Contractor...Stockholm & Allyn, Mo-nadnock Bldg., S. E.

COST, \$2000

ADDITION

(2617) (BLOCK) NORTH POINT AND Taylor. Add one additional story.

Owner.....Pacific Box Factory, Inc., Premises.

Architect...None.

Contractor...J. Pattinson, 925 The Alameda, Berkeley.

COST, \$1500

ADDITION

(2618) NO. 712 KANSAS. Add to dwelling.

Owner.....C. B. and Geo. A. Sanders, 1161 Harrison, S. F.

Architect...John T. Hogan, 313 Front, San Francisco.

Day's work..... **COST, \$700**

ALTERATIONS

(2619) NO. 563 BUSU. Alter hotel.

Owner.....Mrs. I. Oppenheimer, Care Architect.

Architect...Bernard J. Joseph, New Call Bldg., San Francisco.

Contractor...David Graham, 113 10th Ave., San Francisco.

COST, \$1000

MARQUISE

(2650) NE ELLIS AND WEBSTER. Erect marquise.

Owner.....J. C. Graham, Care Hind Co. Architect...None.

Contractor...H. Braunton, 180 Jessie, San Francisco.

COST, \$490

FRAME GARAGE

(2651) NOS. 1550-2-4 SACRAMENTO, (rear). One-story frame garage.

Owner.....Kathleen J. Puckett, 1560 Jackson, San Francisco.

Architect...None.

Contractor...F. Daspit, 1409 Bush, S. F.

COST, \$400

ADDITION

(2652) NO. 108 LAIDLEY. Add to dwelling.

Owner.....Mrs. E. Creighton, Prem. Architect...None.

Contractor...C. Lindberg, 257 Surrey, San Francisco.

COST, \$400

FRAME RESIDENCE

(2653) W SEVENTEENTH AVE 50 N California. Two-story and basement frame residence.

Owner.....A. A. Russell, 75 Brosnan San Francisco.

Architect...None.

Day's work..... **COST, \$3000**

NOTE—Plans and specifications filed July 3, 1916.

FRAME RESIDENCE

(2644) W SEVENTEENTH AVE 75 N California. Two-story and basement frame residence.

Owner.....A. A. Russell, 75 Brosnan San Francisco.

Architect...None.

Day's work..... **COST, \$3000**

NOTE—Plans and specifications filed July 3, 1916.

FRAME RESIDENCE

(2654) W SEVENTEENTH AVE 25 N California. Two-story and basement frame residence.

Owner.....A. A. Russell, 75 Brosnan San Francisco.

Architect...None.

Day's work..... **COST, \$3000**

NOTE—Plans and specifications filed July 3, 1916.

ALTERATIONS

(2656) N CASSELLI AVE 50 E Clover E 25xN 92. All work except light fixtures, wall beds, shades, valinco-tting, rat proofing, tile for mantel, and wall paper for alterations and additions to building.

Owner.....C. H. Callow, 81 Caselli Ave., San Francisco.

Architect...None.

Contractor...L. A. Secor, 80 Caselli Ave. San Francisco.

Filed July 7, '16. Dated July 5, '16.

Frame of new addition up and rustic on.....\$178.75

Interior and front lathed and plastered 1st coat..... 478.75

Completed and accepted..... 478.75

Usual 35 days..... 478.75

TOTAL COST, \$1915.00

Bond, none. Limit, 90 days. Forfeit none. Plans and specifications filed.

CLASS "C" APARTMENTS

(2657) W LARKIN 20 S Post S 40xW 95. Interior and exterior painting, papering, tinting and water proofing for five-story Class "C" apartments.

Owner.....Savings Union Bank & Trust Co., Grant Ave and O'Farrell, S. F.

Architect...Wood & Simpson, 110 Sutter, San Francisco.

Contractor...H. Maudreil, 320 Hayes San Francisco.

Filed July 7, '16. Dated June 22, '16.

Progressive payments semi-monthly of..... 75%

36 days after..... 25%

TOTAL COST, \$1115

Bond, \$557.50. Surety, Casualty Co. of America. Limit, as required. Forfeit, \$25. Plans and specifications filed.

(2658) LATHING AND PLASTERING

on above.

Contractor...Wm. Makin, 1011 Franklin Oakland.

Filed July 7, '16. Dated June 2, '16.

Payments same as above.....

TOTAL COST, \$2543

Bond, \$1271.50. Surety, Guardian Casualty & Guarantee Co. Limit, as required. Forfeit, \$25. Plans and specifications filed.

(2659) SHEET METAL, STEEL SASH Galvanized cornice, ballustrade and sly lights, etc., on above.

Contractor...U. S. Metal Products Co., 325 Market, San Francisco

Filed July 7, '16. Dated June 2, '16.

Payments same as above.....

TOTAL COST, \$922

Bond \$161 Surety, Aetna Accident

& Liability Co. Limit, as required. Forfeit, \$25. Plans and specifications filed.

(2966) IRON WORK FOR ELEVATOR doors, grills and fire escapes on above.
Contractor..Sunset Iron Works, 1124 Folsom, San Francisco.
Filed July 7, '16. Dated May 29, '16.
Payments same as above.....
TOTAL COST, \$818
Bond, \$409. Surety, U. S. Fidelity & Guaranty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(2961) ELEVATORS ON ABOVE.
Contractor..Spencer Elevator Co., 123 Beale, San Francisco.
Filed July 7, '16. Dated May 29, '16.
Payments same as above.....
TOTAL COST, \$1600
Bond, \$800. Surety, Maryland Casualty Co. Limit, as required. Forfeit, \$50
Plans and specifications filed.

LEASES.

SAN FRANCISCO COUNTY.

July 6, 1916—NO. 3516 TWENTIETH. Wm C Ehrenpfort to Paul Condos and Geo Varras. 4½ years. \$1350.
July 6, 1916—S VALLEJO 137-2 E Stockton E 18-10xS 61-6. Minnie Golly to Giovanni Cuneo. 5 years. \$25 per month.
July 3, 1916—S WASHINGTON between Divisadero and Broderick; No. 2381 Washington. Jno W Felt to T Spiliotis. 5 years. \$1700.
July 3, 1916—NO. 2020 BROADWAY. (Furniture). John Hemphill, Trustee to Alice G Phillips. 2 years. \$5160.

BUILDERS' BOND.

July 3, 1916—MARKET near Eighth. Jas Otis, Trustee; Mangrum & Otter, Contractor; National Surety Co., Surety. Amount of Bond \$10,000

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

July 1, 1916—N BUSH 68-9 W Mason W 22-11xN 100. Walter H Sullivan as to improvements on leased property
July 3, 1916—E VALENCIA 210 N 20th N 25xE 80. A J Donzel as to Christoph Weirank

ARCHITECT'S CERTIFICATE.

July 3, 1916—Chas. F. Strothoff has filed his Certificate of Architecture for San Francisco County.

BUILDING TOTALS FOR JUNE.

Building permits issued for the month of June amounted to \$2,046,756. For this amount a total of 486 permits were granted. Of these 365 were for alterations.

Included in the report of the Building Department of the Board of Public Works is the Civic Center Library Building and the fire escapes on five schools. The closing of the lumber yards throughout the city hindering the purchase of lumber, played a great part in keeping down the building

totals.

The following is a complete and segregated report as issued by the Board of Works:

Class	No. of Bldgs.	Cost
Class "A"	1	\$ 16,800
Class "B"	3	71,475
Class "C"	10	266,250
Frames	100	460,674
Alterations	365	120,557
Public Bldgs.	6	1,141,000
Harbor	1	30,000
Total	486	\$2,046,756

BUILDING PERMITS GRANTED FOR PAST FISCAL YEAR.

According to a report of the Building Bureau of the Department of Public Works a total of \$18,004,740 was invested in building construction for the past fiscal year ending June 30, 1916. For this amount 7558 permits were issued.

For the fiscal year ending June 30, 1915, the total number of permits issued was 6387, the cost being estimated at \$14,226,125.

The following is a complete report as compiled by the Bureau for the fiscal year commencing July 1st, 1915 and ending June 30th, 1916:

Class	No. of Bldgs.	Cost
Class "A"	18	\$ 1,279,663
Class "B"	9	761,475
Class "C"	178	3,376,620
Frames	1947	7,041,151
Alterations	4371	1,811,467
State	3	848,181
Harbor	10	748,082
Public	22	2,138,101
Total	7558	\$18,004,740

BUILDING NOTE.

Albert A. Russell has filed in the office of the County Recorder plans and specifications for three, two-story residences on W 17th avenue 25 N California N 75.

COMPLETION NOTICES.

San Francisco

RECORDED ACCEPTED

July 3, 1916—NO. 240 SACRAMENTO D W C Tietjen, Extr Estate D W Tietjen, dec'd to S F Elev Co.....
.....July 1, 1916
July 3, 1916—W TWENTY-FOURTH AVE 175 S Lake S 25xW 120. John Little to whom it may concern.....
.....July 2, 1916
July 2, 1916—N GEARY 32-6 E 26th AVE E 25xN 100. John J Pratt to whom it may concern.....June 1, 1919
July 3, 1916—SE EIGHTH AVE AND Judah S 100xE 57. F Tomasini to Farnochio-Petri.....June 24, 1916
July 5, 1916—S MINNA 125 E Fourth E 75xS 70. E A Norton to Schroder Bros.....July 2, 1916
July 5, 1916—S CLEMENT 32-6 W 12th AVE W 25xS 100. Walter or Walter R and Daisy Savage to Geo M Hantzache and Fred O McKay.....July 1, 1916
July 5, 1916—SW SIXTH AVE AND Lincoln Way S 95xW 32-6 Sunset Home Realty Co to Cox Bros.....
.....July 3, 1916
July 6, 1916—S TARAVAL 107-6 W 27th AVE W 25xS 100. Tony Danna to whom it may concern.....June 30, '16
July 7, 1916—NE SUTTER & JONES

N 10xE 68-9. Gerard Investment Co to whom it may concern.....July 7, 1916
July 7, 1916—SE SHIPLEY 225 SW Fifth SW 25xE 75. Helen C Dixon to A H Wilhelm.....June 23, 1916
July 7, 1916—W FIFTEENTH AVE 200 S California S 25x120. Birdie and Louis May to whom it may concern.....July 1, 1916

LIENS FILED

San Francisco

RECORDED AMOUNT

June 30, 1916—NW ELIZABETH & Douglass N 26-6xW 100. Steiger Terra Cotta & Pottery Works vs Edgar D Watson and H W Nielsen Abraham and Clara Lenn.....\$162.55
June 23, 1916—W NINETEENTH AV 100 N Ulloa (U) N 33-4xW 120. C W Lubliner & Co vs St. Clair V Irwin.....\$120.50
guardi and Frank Norcia.....\$50.95
July 1, 1916—W FORTY-THIRD AVE 31 S Cabrillo S 125 W 120 N 50 E 25 N 75 E 95. T Helske vs Martin Allen and Finance Realty & Development Co.....\$305
July 1, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. R L Tiernan and A V Beronio (as Tiernan & Beronio) vs Henry Calleaude Jr and Henry Conrad.....\$1167.39
July 1, 1916—NW DOUGLASS AND Elizabeth N 26xW 100, Lot 105, Heymen Tct. Edwin T Peterson vs Abraham and Clara Lenn and H W Nielsen.....\$151.62
July 1, 1916—N PAGE 165-7½ W Central AVE W 44-4½xN 137-6. C Jorgensen & Co vs Carrie Green and James P Fletcher.....\$120
July 1, 1916—W PARKER AVE 381 N Geary N 25xW 120. Henry Cowell Lime & Cement Co vs J A Orford and Johnson & Johnson.....\$70.85
July 3, 1916—NW DOUGLASS AND Elizabeth N 26-6xW 100. Western Bldrs Supply Co, \$28.20; Edward D Watson, \$226.70; T E Brown and E G Tucker, \$181.50 vs Abraham and Clara Lenn and H W Nielsen.....
July 3, 1916—NW ELIZABETH AND Douglass N 26-6xW 100. G McElhinney, \$222; S Boquist, \$120 vs Abraham and Clara Lenn.....\$70.85
July 3, 1916—NW DOUGLASS AND Elizabeth N 26-6xW 100. Leonard Lumber Co vs Abraham and Clara Lenn and H W Nielsen.....\$361.62
July 3, 1916—W EIGHTEENTH AVE 175 S Judah S 25xW 120. Redwood Manufacturers Co vs G H and Maud Morrill or Morrill and Edward Chick.....\$165.59
July 3, 1916—N SACRAMENTO 116-8 W Taylor N 120 W 27-6 S 120 E 25-6. Western Lime & Cement Co, 121.55; Holmes Lime & Cement Co, \$65.50 vs Jos Baccioco, Henry Conrad and John Fay.....
July 3, 1916—N SACRAMENTO 119-2 W Taylor N 120xW 27-6. Holmes Lime & Cement Co, \$45; Western Lime & Cement Co, \$105.15 vs Henry Calleaude Jr, Henry Conrad and John Fay.....
July 3, 1916—N SACRAMENTO 119-2 W Taylor N 120xW 27-6. J W Bender Roofing & Paving Co, \$73.26; Comyns & Nygren \$97 vs Henry Calleaude Jr and Henry Conrad.....
July 3, 1916—N SACRAMENTO 146-8 W Taylor N 120 W 27-6 S 120 E 28-6. J W Bender Roofing & Pav-

ing Co. \$126.70; Comyns & Nygren,
\$210 vs Jos Baccello and Henry
Conrad
July 5, 1916—NW ELIZABETH AND
Douglass N 26-6xW 100. Henry
Gervais vs Abraham and Clara
Lenn and H W Nielsen.....\$292
July 5, 1916—NW DOUGLASS AND
Elizabeth. Marshall & Stearns Co
vs Abraham and Clara Lenn and H
W Nielsen\$72
July 5, 1916—NW ELIZABETH AND
Douglass N 26-6xW 100. Joost Bros
vs Abraham and Clara Lenn and H
W Nielsen\$37.35
July 5, 1916—S PINE 68-9 E San-
some E 34 1/2xS 96. O Kurtz vs
Postal Realty Co.....\$112.29
July 5, 1916—N BRAZIL AVE 50 W
Fainburgh W 25xN 100. J S Guerin
& Co vs Gaetano Ciampa, L Dio-
July 6, 1916—N SACRAMENTO 146-8
W Taylor N 120 W 27-6 S 120 E
28-6. H N McClure vs Jos Baccello
Henry Conrad and Jno Fay.....\$113
July 6, 1916—NW DOUGLASS AND
Elizabeth N 26-6xW 100. Fried-
man Bros vs Abraham and Clara
Lenn and H W Nielsen.....\$73

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Am't.
1608	Button	Button	3100
1609	Johnson	Johnson	2000
1609	Norris	Norris	1200
1610	Smith	Douglas	600
1611	Nielsen	Petersen	650
1612	Bruno	Compomenosi	450
1614	Randlow	Peppin	1800
1615	Taylor	Coburn	1800
1618	Schmidt	Legath	4200
1628	Jurgens	Bacus	8550
1629	Wilson	Peppin	2900
1630	Moore	Moore	1500
1631	McLean	Burks	2400
1632	Kudlow	Dexter	1600
1633	Balasek	Rowe	2000
1634	Howe	Walker	500
1635	Roller	Shrader	400
1636	Rivers	Rivers	400
1637	Speller	Bellefontaine	3200
1638	United Eldrs	Owner	2000
1639	Morris	Morris	1500
1640	Morris	Morris	1500
1641	Wright	Lods	1350
1642	Shredded Wheat	Shepherd	482
1644	MacGregor	MacGregor	1600
1645	MacGregor	MacGregor	1600
1646	MacGregor	MacGregor	1600
1647	MacGregor	MacGregor	1600
1648	Carlson	Hopper	2400
1649	MacGregor	MacGregor	1600
1650	Cates	Cates	1800
1651	Papenfuss	Papenfuss	400
1652	Jacks	Jacks	2400
1653	Hammer	Allyn	12000
1654	MacGregor	MacGregor	1600

DWELLING

(1607) E CLAREMONT AVE 340 N
Hudson, Oakland. Two-story 6-room
dwelling.
Owner.....J. W. Button. 347 63rd,
Oakland.
Architect...None.
Day's work. COST, \$3100

DWELLING

(1608) S SIXTY-SEVENTH 300 E San
Pablo Ave., Oakland. One-story 5-
room dwelling.
Owner.....M. Johnson, 1075 67th, Okd
Architect...None.
Contractor..W. Johnson, 3223 Adeline,
Oakland.
COST, \$2000

DWELLING

(1609) E LOMA VISTA AVE 240 N
Hopkins, Oakland. One-story 5-room
dwelling.

Owner.....Justus Norris, 2828 Rich-
mond Ave., Oakland.
Architect...None.
Day's work. COST, \$1200

ALTERATIONS

(1610) NO. 1264 FORTY-EIGHTH AV
Oakland. Alterations and additions.
Owner.....W. D. Smith, Premises.
Architect...None.
Contractor..H. C. Douglas.
COST, \$600

ADDITION

(1611) NO. 2308 Dennison, Oakland.
Addition.
Owner.....H. Nielsen, Premises.
Architect...None.
Contractor..Jas. B. Petersen, 3823
Agua Vista, Oakland.
COST, \$650

ALTERATIONS

(1613) S CLIFTON 100 W Miles Ave.,
Oakland. Alterations.
Owner.....Joe Bruno, Premises.
Architect...None.
Contractor..E. Compomenosi, 450 Clif-
ton Ave., Oakland.
COST, \$450

ALTERATIONS

(1614) NO. 4302 WEST, Oakland.
Alter two-story dwelling into flats.
Owner.....Peter Randlow, 4302 West,
Oakland.
Architect...None.
Day's work. COST, \$1800

DWELLING

(1615) S BOND 200 W 51st Ave., Oak-
land. One-story 5-room dwelling.
Owner.....H. K. Taylor, 1530 Grove,
Oakland.
Architect...None.
Contractor..J. L. Coburn, 3085 Made-
line, Oakland.
COST, \$1800

FRAME DWELLING

(1618) LOT 5 and N 25 Lot 4 Bk "A"
Excelsior Heights, Okd. All work
for two-story and basement frame
dwelling.

Owner.....Helen M. Schmidt, Okd.
Architect...A. Reinhold Denke, Ne-
vada Bank Bldg., S. E.
Contractor..Alfred Legault, 3929 West,
Oakland.

Filed July 3, '16. Dated June 26, '16.
Rough frame up\$ 800
Brown coated 800
Standing trim on 750
Completed and accepted 800
Usual 35 days 1050
TOTAL COST, \$1200

Bond, none. Limit, 75 days. Forfeit,
none. Plans and specifications filed.

CLASS "A" STORES, ETC.

(1628) NW FIFTEENTH AND CLAY
W 100xN 102-9. Brick work, pressed
brick work, setting wall and parti-
tions, terra cotta tiling, setting terra
cotta on street fronts for eight-story
and basement and mezzanine Class
"A" store and loft building.
Owner.....The Chas. Jurgens Co., Inc.,
373 13th, Oakland.
Architect...Walter J. Mathews, 927
Broadway, Oakland.
Contractor..Wm. J. Bacus, 520 Oak-
land Ave., Oakland.

Filed July 5, '16. Dated June 30, '16.
One-fourth completed.....\$1603
One-half completed 1603
Three-fourths completed..... 1603

Completed 1603
Usual 35 days 2138
TOTAL COST, \$3550
Bond, \$5000. Surety, Casualty Co. of
America. Limit, 5 weeks. Forfeit,
none. Plans and specifications filed.

DWELLING

(1629) LOT 63 Sequoyah Hill Tract,
Oakland. One-story 7-room dwlg.
Owner.....Wilson & Lindsay, 205 1st
Savings Bank Bldg., Okd.
Architect...None.
Contractor..J. B. Peppin, San Leandro
COST, \$2900

DWELLING

(1630) N BECK 335 W 73rd Ave., Oak-
land. One-story 5-room dwelling.
Owner.....G. H. Moore, 110 Jessie,
San Francisco.
Architect...None.
Day's work. COST, \$1500

DWELLING

(1631) N EVANS AVE 200 N Everett,
Oakland. One-story 6-room dwlg.
Owner.....Mrs. A. McLean, Crockett.
Architect...None.
Contractor..C. E. Burks, 4152 Randolph
Ave., Oakland.
COST, \$2400

DWELLING

(1632) E HARRIET 275 S Hillside,
Oakland. One-story 5-room dwlg.
Owner.....John Kudlub.
Architect...None.
Contractor..A. R. Dexter, 828 Athens
Ave., Oakland.
COST, \$1600

DWELLING

(1633) E JAMES AVE 226 N Cavour,
Oakland. One-story 6-room dwelling
Owner.....Louis Balasek, 1735 9th,
Berkeley.
Architect...None.
Contractor..A. N. Rowe, 5103 Manila
Ave., Oakland.
COST, \$2000

ALTERATIONS

(1634) NO. 218 FOURTEENTH, Oak-
land. Alterations.
Owner.....Louis P. Howe.
Architect...None.
Contractor..T. G. Walker, 566 4th,
Oakland.
COST, \$500

ALTERATIONS

(1635) NO. 481 THIRTEENTH, Oak-
land. Alterations.
Owner.....Chas. Roller, Premises.
Architect...None.
Contractor..J. F. Shrader, 522 16th,
Oakland.

DWELLING

(1636) S THIRTY-SIXTH 200 E San
Pablo Ave., Oakland. One-story 2-
room dwelling.
Owner.....L. Rivers, 1306 Brush, Okd.
Architect...None.
Day's work. COST, \$400

DWELLING

(1637) W CAPELL 200 N Cleveland
Ave., Oakland. Two-story 7-room
dwelling.
Owner.....Mrs. E. J. Speller, 1075
Glendora Ave., Oakland.
Architect...None.

Contractor...A. J. Bellefontaine, 6712 Flora, Oakland.

COST, \$3200

DWELLING

(1638) S JOSEPH 200 E Samuel, Albany. One-story 6-room dwelling.
Owner.....United Home Bldrs., 1567 Broadway, Oakland.

Architect...None.
Day's work. COST, \$2000

DWELLING

(1639) W POMONA 150 N Main, Albany. One-story 5-room dwelling.
Owner.....A. R. Morris, 914 Kains Ave., Oakland.

Architect...None.
Day's work. COST, \$1500

DWELLING

(1640) W POMONA 200 N Main, Albany. One-story 5-room dwelling.
Owner.....A. R. Morris, 914 Kains Ave., Oakland.

Architect...None.
Day's work. COST, \$1500

DWELLING

(1641) NO. 2422 HILGARD, Berkeley. One-story 4-room dwelling.
Owner.....Mrs. M. Wright, 2513 Hilgard Ave., Berkeley.

Architect...None.
Contractor...Chas. Leds, 2711 Russell, Berkeley.
COST, \$1350

LAWNS

(1642) NO LOCATION GIVEN, Oakland. All work for lawns surrounding buildings.
Owner.....The Pacific Coast Shredded Wheat Co., Inc.

Architect...None.
Contractor...Shepherd & Whittelsey, 1st Savings Bank Bldg., Oakland.

Filed July 6, '16. Dated July 3, '16.
1st dressing of fertilizer in ground\$120.00
Seed sown and top dressed.... 120.00
Lawns mown and work completed 242.90
TOTAL COST, \$482.90

Bond, limit, forfeit, plans and specifications, none.

DWELLING

(1644) N HEARST AVE 440 E Lincoln Ave., Oakland. One-story 5-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.
Day's work. COST, \$1600

DWELLING

(1645) N HEARST AVE 600 E Lincoln Ave., Oakland. One-story 5-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.
Day's work. COST, \$1600

DWELLING

(1646) N HEARST AVE 560 E Lincoln Ave., Oakland. One-story 5-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.
Day's work. COST, \$1600

DWELLING

(1647) N HEARST AVE 400 E Lincoln Ave., Oakland. One-story 5-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.
Day's work. COST, \$1600

COTTAGE

(1648) S KINGSTON AVE 643 E Linda Ave., Piedmont. One-story cottage.

Owner.....Genevieve C. Carlson.
Architect...None.

Contractor...Alfred J. Hopper, 1769 Happy Valley Ave., Okd.
COST, \$2400

DWELLING

(1649) N HEARST AVE 200 E Lincoln Ave., Oakland. One-story 5-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.
Day's work. COST, \$1600

DWELLING

(1650) S TEVIS 150 E 62nd Ave., Oakland. One-story 5-room dwelling.

Owner.....Robt. T. Cates, Central Bk Bldg., Oakland.

Day's work. COST, \$1800

ADDITION

(1651) NO. 5821 MARSHALL, Oakland Addition.
Owner.....G. Papenfuss, Premises.

Architect...None.
Day's work. COST, \$400

DWELLING

(1652) SW SANTA RITA AND ROSELIE, Oakland. Two-story store and dwelling.

Owner.....Henry Jacks, 5426 California, San Francisco.

Architect...None.
Day's work. COST, \$2400

FRAME DWELLING

(1653) S KING AVE 125 S Lincoln Ave. Piedmont. Two-story frame dwelling.

Owner.....Mrs. Geo. Hammer, 214 Lee Oakland.

Architect...None.
Contractor...Stockholm & Allyn, Monadnock Bldg., S. F.
COST, \$12,000

DWELLING

(1654) N HEARST AVE 240 E Lincoln Ave., Oakland. One-story five-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.
Day's work. COST, \$1600

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Am't.
1612	Univ. Cal	Moore	68000
1619	Davidson	Franks	1180
1620	Adams	Adams	600
1621	Rambo	Stewart	1000
1622	McMillen	Nelson	600
1623	Taylor	Taylor	1750
1624	Anderson	Pinkerton	2500
1627	Wilson	Boldt	1500
1647	Same	Same	400
1653	Williams	Johnson	3100

MECHANICAL EQUIPMENT

(1642) UNIVERSITY OF CALIFORNIA Campus, Berkeley. Mechanical equipment for Power House.

Owner.....University of California.
Architect...None.

Contractor...C. C. Moore & Co., Sheldon Bldg., San Francisco.

COST, \$68,000

CLASS "C" STORES

(1619) S BANCROFT WAY 450 E Dana Berkeley. Cement, concrete, excavating and earth fill for one-story Class "C" stores.

Owner.....N. R. Davidson, 2519 College Ave., Berkeley.

Architect...James W. Plachek, Acheson Bldg., Berkeley.

Contractor...H. E. Franks, 2709 McGee Ave., Berkeley.

Filed July 3, '16. Dated July 1, '16.
Foundation completed\$700

Concrete floors completed..... 200
Usual 35 days..... 280

TOTAL COST, \$1180

Bond, none. Limit, 15 days. Forfeit, \$10. Plans and specifications, none.

ALTERATIONS

(1620) NO. 2627 RIDGE ROAD, Berkeley. Alterations and additions.

Owner.....Elizabeth Adams, Woodland.

Architect...None.
Contractor...W. W. Adams, Woodland.
COST, \$600

ALTERATIONS

(1621) NO. 2626 WARING, Berkeley. Alterations and additions.

Owner.....Maude I. Rambo, Plush, Oregon.

Architect...None.
Contractor...Banning & Stewart, 5215 Broadway, Oakland.
COST, \$1000

ALTERATIONS

(1622) SW HILLEGASS AND DERBY, Berkeley. Alterations and additions.

Owner.....Mary McMillen, 2518 Derby Berkeley.

Architect...None.
Contractor...H. P. Nelson, 2241 Grove, Berkeley.
COST, \$600

DWELLING

(1623) E EDWARDS 140 N Channing Way, Berkeley. One-story 5-room dwelling.

Owner.....M. E. Taylor, 1607 Sonoma Ave., Berkeley.

Architect...None.
Day's work. COST, \$1750

DWELLING

(1624) W GROVE 288 S Hopkins, Berkeley. One and one-half-story five-room dwelling.

Owner.....P. A. Anderson, Oakland Bank of Savings Bldg., Berkeley.

Architect...None.
Contractor...J. A. Pinkerton, 1931 Berryman, Berkeley.
COST, \$2500

ALTERATIONS

(1627) N HASTE 300 E Telegraph, Berkeley. Alterations (install swimming tank, showers, etc.)

Owner.....Mary E. Wilson, 2538 Channing, Berkeley.

Architect...None.
Contractor...Wm. Boldt, 2610 Grove, Berkeley.
COST, \$1500

DWELLING, ETC.

(1655) NO. 906 CONTRA COSTA AVE., Berkeley. One-story 5-room dwelling.

ing and garage.
Owner.....A. M. Williams, 1927 Oregon, Berkeley.
Architect...None.
Contractor...Louis Johnson, 223 Greenbank Ave., Piedmont.
COST, \$3100

Building Contracts Awarded

Alameda

No.	Owner	Contractor	Am't.
1616	Union Iron Wks...	Lange	25990
1617	Same	G G Iron	6270
1625	Pond	Stewart	2000
1626	Neal	Rockingham	400

POWER HOUSE
(1616) SITE ALAMEDA BRANCH OF Company near Webster St. Bridge, Ala. Excavating, foundations, fireproofing, brick work, sheet metal work, ornamental iron work, glass and glazing, roof covering, carpentry, tiling, lathing and plastering, painting and plumbing for one-story steel frame, brick and concrete power house.
Owner.....Union Iron Works Co., 260 California, San Francisco.
Architect...Frederick H. Meyer, Bankers' Invest. Bldg., S. F.
Contractor...Lange & Bergstrom, Sharone Bldg., S. F.
Filed July 3, '16. Dated June 29, '16.
Payments each month of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$25,990
Bond, \$12,995. Surety, Aetna Accident & Liability Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1617) STRUCTURAL STEEL AND cast iron work on above.
Contractor...Golden Gate Iron Works, 1541 Howard, S. F.
Filed July 3, '16. Dated June 23, '16.
Steel delivered\$4000.00
Completed and accepted..... 702.50
Usual 35 days..... 1567.50
TOTAL COST, \$6270.00
Bond, \$3150. Surety, New Amsterdam Casualty Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

DWELLING

(1625) NO. 1362 HIGH, Alameda. One-story 7-room dwelling.
Owner.....C. P. Pond, 1518 Encinal Ave., Alameda.
Architect...None.
Contractor...G. W. Stewart, 3219 Briggs Ave., Alameda.
COST, \$2000

GARAGE

(1626) NO. 1352 BAY, Alameda. Garage.
Owner.....Chas. W. Neal, Premises.
Architect...None.
Contractor...J. H. Rockingham, 2306 San Jose Ave., Alameda.
COST, \$400

(1612) GRADING ON ABOVE.

Contractor...Shepard & Whittelsey, 1st Savings Bank Bldg., Okd.
Filed July 6, '16. Dated July 3, '16.
Completed\$400
TOTAL COST, \$400
Bond, limit, forfeit, plans and specifications, none.

LEASE.

July 5, 1916—NO. 1738 FILLMORE E line bet. Sutter and Post. Leonide

G Accerlas to Emma A (wif R G) Keene. 36 months. \$1500.

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED	ACCEPTED
June 26, 1916—N SEVENTEENTH 50 W Grove W 40xN 107, Okd. D H McLaughlin to whom it may concern.....	June 24, 1916
June 26, 1916—S MARIN AVE 50 E Evelyn Ave 25x100, Albany. B Romonda to M Valente....	April 15, 1916
July 1, 1916—NEXT DOOR S of No. 1009 Grand Ave, Okd. R E Stubbe to whom it may concern.....	June 15, '16
July 1, 1916—LOT (31) E. Claremont Tract, Bkly. I Rollin Fitch to Joseph F Rogers.....	June 20, 1916
July 1, 1916—LOT 21 BLK 4 Key Route Terrace Tract 35x110, Albany E N Bertheaud to whom it may concern.....	July 1, 1916
July 1, 1916—S 15 LOT 128 and N 20 Lot 126, Terminal Junction Tct, Albany. I Ariel Kellogg to whom it may concern.....	July 1, 1916
July 1, 1916—SE COLUSA & TACOMA 50x92, Oakland Tp. C A Davis to whom it may concern.....	June 20, 1916
July 2, 1916—N ROSE, being Ptn Lot 2 Blk 1 Amended Map Hopkins Terrace Map No. 4, Bkly. F A McCall to Samuel Clark.....	June 30, 1916
July 3, 1916—E FOURTH AVE 100 N E-15th 45x100, Oke. J Brincefield to Carl A Heijne.....	June 5, 1916
July 5, 1916—S TAYLOR AVE 332-7 W Webster W 31-3xS 141-6, Ala. Giuseppe Pucci to Wetzel & Jones	July 1, 1916
July 6, 1916—LOT 3 BLK "E" Map Mastick Park, Alameda. C C Adams to whom it may concern.....	July 5, 1916
July 6, 1916—LOT 9 BLK 5 Berkeley Square, Bkly. R H Marrenner to L S Lewis.....	July 5, 1916
July 7, 1916—LOT 99 Map Nova Piedmont, Piedmont. Harry Schwalm and Lillian Neudeck to whom it may concern.....	July 6, 1916
July 7, 1916—S KITTREDGE, bet. Shattuck Ave and Milvia; Lot 16 and Ptn Lot 15 Shattuck Hotel Tct 60x125.64, Bkdy. C A Muller to John A Kuivala.....	June 2, 1916

LIENS FILED

ALAMEDA COUNTY.

July 1, 1916—Lot 13 Blk "J," Map Northbrae Terrace, Bkly. Mark W Anthony and Chas W Heyer Jr (as Anthony & Heyer) vs E D Woodward and Margaret Woodward.....\$46.20
July 3, 1916—LOTS 4 AND 5 BLK 850, Map Sunset Tct, Okd. G R Webber vs True B Durbrow.....\$66.65
July 3, 1916—W BRYON 100 S Addison S 40xW 120, Bkly. E K Wood Lumber Co vs Teresa A and Genevieve Brennan & R H Martin.....\$157.30
July 5, 1916—PALM BEACH, bounded on N by Central Ave; E by Washington Park; S by Bay of S. F.; W by imaginary line running in S direction, which would be a continuation of W line Page street, If extended S, Alameda. Frank A Gotstein vs Geo I Lamy.....\$98.75
July 7, 1916—LOTS 2 AND 4 BLK "F" Excelsior Heights Tct, Okd. Carl A Bellefontaine vs Walter Packard

July 7, 1916 S CENTRAL AVE 1-2-5 W Webster E 752-1 SW to S Indey line land described in patent made by U. S. to Antonio Maria Peralta W to pt 51 deg 35 min W pt beg, NE to pt beg, Alameda. J A Alexander, \$17.50; B D Unephar, \$17.50; John Davidson, \$17.50; A G Pergrason, \$16.50; Herbert Maples, \$17.50; C L Douglass, \$14. N P Lundberg, \$17.50; A Wilson, \$12.50; J A White, \$17.50 vs Surf Beach Amusement Co and A T Spence.....\$45

BUILDING CONTRACTS

SANTA CLARA COUNTY.

MILKING BARN

TWO MILES NE OF MOUNTAIN VIEW All work for one-story sanitary milking barn.
Owner.....Dr. Henry Wong Him.
Architect...J. H. Sullivan.
Contractor...J. H. Sullivan and Jno. W. Leet, 127 S-9th St. (rear) San Jose.
Filed July 3, '16. Dated June 30, '16.
Building up and shingles on.....\$440
Cement floors in..... 440
Job accepted 441
Usual 35 days..... 440
TOTAL COST, \$1760
Bond, \$880. Surety, Hartford Accident and Indemnity Co. Limit, August 1, 1916. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

MONTE VISTA, Santa Clara County. One and one-half-story and basement frame residence.
Owner.....Miss M. Hudson, 2103 Pacific Ave., San Francisco.
Architect...Daniel R. Gailey, 801 Hewes Bldg., S. F.
Day's work. COST, \$1500

FRAME DWELLING

KELOEG AVE AND BRYANT ST., Palo Alto. Two-story and basement frame dwelling and garage.
Owner.....S. W. Smith.
Architect...Frederick H. Meyer, Bankers' Invest. Bldg., S. F.
Day's work. COST, \$20,000
NOTE:—Contract for wood work awarded to F. W. Fox of Palo Alto.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED	ACCEPTED
June 24, 1916—SANTA CLARA ST., bet. Santa Teresa and Pleasant Sts., San Jose. Ethel K Farrington and Edith Dorrance to W J Moore.....	June 14, 1916
June 27, 1916—S 40 FEET LOT 21, Lezenz Shdvn, San Jose. J A Wel-don to whom it may concern.....	June 20, 1916

BUILDING CONTRACTS

MAHIN COUNTY.

OFFICE BUILDING

SAN RAFAEL All work except electric work and plumbing for one-story office building.
Owner.....Pacific Gas & Electric Co., 445 Sutter, San Francisco.
Architect...Frederick H. Meyer, Bankers' Invest. Bldg., S. F.
Contractor...R. H. Mathewson and A Knowles, Call Bldg., S. F.

Filed July 6, '16. Dated June 30, '16.
On 1st of each month..... 75%
Usual 35 days.....Balance
TOTAL COST, \$11,786
Bond, \$5893. Surety, Casualty Co. of
America. Limit, 90 days. Forfeit, none
Plans and specifications filed.

ELECTRICAL WORK ON ABOVE.
Contractor..Paul C. and Chas. F. Butte,
683 Howard, San Francisco
Filed July 6, '16. Dated June 30, '16.
Payments same as above.....
TOTAL COST, \$644
Bond, \$322. Surety, New Amsterdam
Casualty Co. Limit, 90 days. Forfeit, none.
Plans and specifications filed.

PLUMBING ON ABOVE.
Contractor..Geo. A. Shields, 432 Peta-
luma Ave., San Rafael.
Filed July 6, '16. Dated June 30, '16.
Payments same as above.....
TOTAL COST, \$925
Bond, \$462.50. Surety, Globe Indemnity
Co. Limit, 90 days. Forfeit, none.
Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

COTTAGE
FIRST AND BISSELL, Richmond. All
work for cottage.
Owner.....R. A. Mohbs, 1285 20th Ave
San Francisco.
Architect...None.
Contractor..E. A. F. Carson, 4323 19th,
San Francisco.
COST, \$1400

STORE AND FLAT
TWENTY-THIRD AND MAIN STS.
Richmond. Store and flat.
Owner.....John Lindich, 23rd and
Main Sts., Richmond.
Architect...None.
Day's work. COST, \$1500

COMPLETION NOTICES

MAIN COUNTY.

RECORDED ACCEPTED
July 3, 1916—**SAN ANSELMO, Marin**
County. Wm J and Helen Brady to
whom it may concern....July 3, 1916
June 30, 1916—**SAN ANSELMO, Harry**
and Theresa Greenbaum to A F
HansonJune 27, 1916

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED ACCEPTED
July 6, 1916—**LOTS 12 TO 21, INCL**
and Lots 24 to 42 incl Blk 99, City
of Richmond. Richmond Union
High School to Stone & Wright....
.....July 3, 1916

BUILDING CONTRACTS

FRESNO COUNTY.

BRICK STORE
LOT 28 BLK 75, Fresno. All work for
one-story brick store.
Owner.....Carl B. Melikian, 710 I St.,
Fresno.
Architect...L. K. Conradjian.
Contractor..Daniel Hovsepian, 640 L St.
Fresno.
Filed July 3, '16. Dated June 11, '16.
Cement work done.....\$ 500
Joists in place..... 500

BUILDING AND ENGINEERING NEWS

Plumbing done 500
Roof on 1500
Completed 500
Usual 35 days..... 1088
TOTAL COST, \$1588
Bond, \$1500. Sureties, J. M. and B. M.
Rustigan. Limit, 50 days. Forfeit, \$5.
Plans and specifications filed.

FRAME DWELLING
LOTS 65 AND 66 BLK 5, Yosemite Ad-
dition, Fresno. Frame dwelling.
Owner.....W. J. Mitchell, 246 San
Pablo, Fresno.
Architect...None.
Contractor..S. L. Allen, 3404 Elmote
St., Fresno.
COST, \$3850

FRAME DWELLING
LOTS 9 AND 10 BLK 127, Fresno. One
story frame dwelling.
Owner.....M. K. Harris, Land Co.
Bldg., Fresno.
Architect...None.
Contractor..W. H. Minard, 219 Abby
St., Fresno.
COST, \$1000

FRAME RESIDENCE
LOTS 15 AND 16 and Ptn Lot 14 Blk
5, Orchard Hill Addition, Fresno. All
work for frame residence.
Owner..Mrs. H. Mounini.
Architect...E. Mathewson, Cory Bldg.,
Fresno.
Contractor..Howard Dickey, 150 How-
ard St., Fresno.

Filed July 5, '16. Dated July 3, '16.
Frame up\$825
Painted 825
Completed 825
Usual 35 days..... 825
TOTAL COST, \$3300
Bond, \$1700. Sureties, J. C. Young and
Chas. W. Barrett. Limit, 50 days. For-
feit, \$150 per day. Plans and speci-
fications filed.

BUILDING CONTRACTS

FRESNO COUNTY.

FRAME DWELLING
LOT 8 BLK 22, Alta Vista Tet, Fresno.
Erect one-story frame dwelling and
shed.
Owner.....F. C. Wilson, 2705 Grant
St., Fresno.
Architect...None.
Days work. COST \$1800

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
July 1, 1916—**LOT 13 BLK 218, Fresno**
A K Kahrman to whom it may
concern.....June 30, 1916
June 30, 1916—**SE 1 20-15 (Drilling**
oil well No. 47), Fresno. Kern
Trading & Oil Co to whom it may
concern.....Feb. 26, 1916
June 30, 1916—**SE 1 20-15 (drilling**
oil well No. 3), Fresno. Kern
Trading & Oil Co to whom it may
concern.....June 25, 1916

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ELECTRIC SIGN
NO. 900 K ST., Sacramento. Erect
electric sign.
Owner.....Nevada Elec. Co., 1026 6th

Wednesday, July 12, 1916

St., Sacramento.
Architect...None.
Day's work. COST, \$1000

REMODEL STORE
NO. 1401 ST., Sacramento. Remodel
store.
Owner.....Fiske Rubber Co., 1312 K
St., Sacramento.
Architect...None.
Contractor..Siller Bros., 1614 13th St.,
Sacramento.
COST, \$900

ALTERATIONS
SW TENTH AND K STS., Sacramento.
Window frames for alterations and
additions to Hotel Land.
Owner.....Nettie E. Evans.
Architect...None.
Contractor..Sacramento Cabinet Co.,
12th & B Sts., Sacramento.
Filed June 29, '16. Dated June 22, '16.
COST, \$241.50

PLASTERING
LOT 4 L, M, 27TH AND 28TH STS.,
Sacramento. Exterior and interior
plain and ornamental plastering, all
wood, etc., of main cornice of F. O. B.
Building.
Owner.....F. O. B.
Architect...None.
Contractor..C. J. Guth, 1516 27th St. &
E. T. Cumming and H. J.
Lugg (as Cummings Con-
tracting Co).
Filed July 1, '16. Dated June 26, '16.
COST, \$3500

FRAME DWELLING
NO. 1910 W ST., on Lot 217 W and K
Tract 121, Sacramento. One-story
frame dwelling.
Owner.....C. Lazzaroni, 1710 S St.,
Sacramento.
Architect...None.
Contractor..Peter Leoni, 1330 V St.,
Sacramento.
COST, \$1770

REPAIRS
NO. 3901 CYPRESS AVE., on W 40 feet
of S 170 feet Lot 110 G G Goethe's
Sub "F," Sacramento. Repair fire
damage to residence.
Owner.....E. A. Thiele.
Architect...None.
Day's work. COST, \$700

CALIFORNIA MINES IN 1916.

There has been much greater activity in the mining industry in California for the first six months of the year, as compared with the conditions in the first half of 1915, but it has been largely in the direction of the reopening of old properties which have been years idle. Mr. Chas. G. Yale of the United States Geological Survey, reports that the United States Mint at San Francisco, and local smelters and refiners are in receipt of \$366,000 less California gold, and 22,000 more ounces of silver, in the first five months of 1916, than in the corresponding period of 1915.

Aside from the gold, silver, copper and lead mining industries of California, there has been thus far in 1916 a heavy demand for such mineral substances as chrome, tungsten, magnesite, manganese, antimony, etc. and a great many mines of this character have been opened and are shipping. For the first time in history many of these

mines are shipping crude material to the Eastern seaboard by rail, the high prices now permitting this.

There has been no noticeable increase thus far this year in the number of productive gold mines in the State.

During the first half of 1916 there has been greater gold mining activity in the Mother Lode counties of the State than has been the case for a long period. These five counties produced 61 per cent of the annual California output of siliceous ore. The older active mines are all doing well. In the Kennedy at the bottom of the 3,900-foot vertical shaft they are working a large body of profitable ore, and are sinking 100 feet more. The Argonaut, adjoining, has at a vertical depth of 3,300 feet a body of \$13 ore—very exceptional value for a Mother Lode mine. Ore yielding over \$1,000 per ton is being taken out of an 18-inch vein at 1,600-foot depth in the Gold Cliff, part of the property of the Utica Mining Company in Calaveras County. In the same county the Melones is in excellent ore. Very high grade ore is being taken from the mine of the Calaveras Development Company, near Mountain Ranch. The most noteworthy feature of the situation in the Mother Lode counties is that a number of the old mines, long idle, are being unwatered and reopened, this being brought about by the success of the deeper mines which have continued work. At Sutter Creek, Amador County, the old Eureka, or "Hetty Green" mine, a famous producer 30 or 40 years ago, is being reopened by a strong company, and extensive operations have been inaugurated.

The Oneida mine, closed down for years, has been put in shape, and part of the stamps are running on ore from the mine. The Poundstone mine in the same district is being unwatered. The old Wildman & Mahoney properties in which are three shafts, and very extensive workings, and which have been for years idle, are being reopened by a new company. On the Zella mine, Jackson, some time idle, a new shaft is being sunk to facilitate working good ore opened by long drifts from the old workings. The Argonaut is building a new 40-stamp mill, and a large reservoir for storage of tailings behind a concrete dam, 400 feet long and 40 feet high. The Amador Star, at Plymouth, (formerly the Rhetta and Bay State) has been reopened this year and a new vein of satisfactory ore found. In Calaveras County, a company has been formed to develop the Thorpe mine at Fourth Crossing, which

PIERCE-BOSQUIT Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

has been idle 18 years. Several old claims near the Melones mine, have consolidated and are to be worked as one property by a new company. In Tuolumne County, the Tarantula mine, at Chinese, has been purchased by Ex-Governor Gage, who will work it and the adjoining Jones group. The Rawhide and App mines, near Jamestown, formerly heavy producers, have come under new ownership and are being reopened and rehabilitated. The Patterson, near by, is also to be started up again. The Crystalline and Alabama mines, near Sonora, several years idle, are being reopened by Los Angeles men. The old Columbia, near Tuolumne City, is being reopened and the shaft sunk to 1,000 feet depth. In El Dorado county important discoveries have been made in the old Montezuma mine, near Nashville. In El Dorado district, near Placerville, the old Church-Union mine is again being developed, and the Oram, adjoining, has been started up again. After 35 years idleness the Cedarburg mine, near Spanish Dry Diggings, is being reopened.

Deep mining outside the Mother Lode section of the State is also unusually active. In the Grass Valley district, Nevada County, both the North Star and Empire mines, the leading producers, are finding high grade ore in depth. In the Providence, of the Champion group, Nevada City, a strike of high grade ore, carrying telluride, has been made. In this section a number of small and idle mines are coming into possession of the larger companies in



LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:30A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland, Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train
service between Bay Cities
and points in the Sacramento Valley.

Thru beautiful Redwood
Canyon and Mt. Diablo
country.

Write for illustrated folder
and time table.

Oakland, Antioch & Eastern Railway

L. H. RODEBAUGH
Traffic Manager
Oakland, - Cal.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker,
2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing;
Telephone Oakland 1735.

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

order to improve their position in the district. The old Murchie mine is to be unwatered and the shaft deepened. The famous old Allison Ranch mine, formerly a large producer, but idle since 1898, is being reopened by a new company. In Butte County, at Forbes-town, the Gold Bank, Golden Queen, and Shakespeare, formerly producers, have been sold to Salt Lake men, who will reopen them. In the southern counties of the State, notably in the desert regions of Inyo, San Bernardino, and Riverside counties, there is a distinct revival of mining activity, largely brought about through the adoption of auto trucks for delivery of ore to railroad stations for shipment to reduction works.

The gold dredging industry of the State continues in a flourishing condition. The dredges produce 86 per cent of the placer gold of California, and 38 per cent of the total gold yield. The larger companies have been adding new machines to their equipment, and these are invariably of great capacity, several costing over half a million dollars each. The new dredge of the Natomas Consolidated in the Folsom district, designed to restore ground to its natural condition after dredging, permitting its use for agriculture, has demonstrated its efficiency. Extensive areas of placer ground near Redding have been bonded and are being prospecting for dredging. Over 1,500 acres of dredging ground along the Trinity River from Lewiston to Poker Bar have been acquired by capitalists, and one dredge will be in operation this summer; 2 more next year. Dredge machinery from Ohio, for the dredge near Carville, Trinity County, amounting to 2,000 tons, is being hauled from the railroad at edging, 62 miles into the mountains, 200 mules being used in the hauling work. The largest dredge in the world has been completed and set at work on the Yuba river, near Ham-monton. It is the fifteenth dredge of the Yuba Cons. Goldfields. The Pacific Dredging Company is building a very large dredge near Smartsville, Yuba County, on ground extending along the Yuba and Bear Rivers, and several other dredges are planned in the district not far from the holdings of the Yuba Goldfields. The Oro Water, Light and Power Company is arranging to construct a third dredge in the Mokelumne river near Comanche, Calaveras County, extensive quantities of pay gravel have been found outside the main property of the company. Several small dredges have been put on "outside" ground in the mountain region this year.

Hydraulic mining has not been very active outside of Trinity and Siskiyou counties, but some new mines have started up in central California. A merger of hydraulic mining interests is being made in the State Creek district, Sierra County, and extensive work is contemplated, under supervision of the California Debris Commission. A mammoth restraining dam is to be put across Slate Creek, which will permit, when completed, hydraulic operations at Seales, Port Wine, Whiskey Diggings, Gibsonville, La Porte, and other famous old camps long idle. A revival of drift mining along the Magalia ridge, in Butte County, has brought about numerous changes, and the reopening of old properties. The old South Fork prop-

erty, on Oregon Creek, Sierra County, is now continuing the 6,000 feet bed-rock tunnel to try and reach the channel in the extension of the famous old Bald Mountain drift mine.

Copper mining in the State has been very active in 1916, owing to the high price of the metal. The larger companies have increased miners' wages in the form of a bonus while electrolytic copper sells at 20 cents a pound or over. A number of new copper properties have been opened in Trinity, Siskiyou, Plumas, Madera, and other Northern counties, as well as in several of the Southern counties of the State. The Engels Copper Company in Plumas County is using the flotation process to concentrate its ore before shipment to Nevada smelters. The Calaveras Copper Company, near Copperopolis, has increased the capacity of its flotation plant. The Bunker Hill copper mine, near Auburn, Placer County, which shipped ore to Swansea, Wales, 52 years ago, and has since been idle, has been reopened this year.

THE COUNTRY'S OLDEST BUILDING.

One of the really historic buildings in the United States is said to be the residence of the Governor of New Mexico in the city of Santa Fe. It is said to have been erected by the Spaniards when the greater part of the Western world was theirs and was the finest house in the colonies. According to legend millions of dollars were spent on the quaint old structure. Most of the material in it was brought from Spain and it was constructed by the best builders to be found among the Indians of that period. In the ship which brought over the building material and builders were many art treasures used to decorate the finished house.

After the Spanish departed Mexicans used the house as a governor's palace and with the overthrow of the Mexicans by the United States Government, it was continued as the residence of the head of the territorial government that was formed. The house is still in use and there seems to be every reason to believe it will continue to house many of New Mexico's future Governors.

BUILDING HOUSES WITHOUT ARCHITECTS.

There are many persons of intelligence even in this age of efficiency who fail to understand the necessity of employing an architect when they want to construct a building, says the Improvement Bulletin.

Possessing an unlimited ignorance of the profession of architecture they totally fail to comprehend the duties of an architect. But they do understand that he gets a percentage for his work. And so to save money they often go ahead, trading with the calm confidence of ignorance in paths which are beset with pitfalls and which they would most sedulously avoid if they knew their existence.

This pennywise policy is responsible for many architectural monstrosities throughout the country. It has been the cause of a great deal of litigation and worry. But conditions are not as bad as they once were. There are probably fewer people today who are confident of their own natural, though untrained, ability to plan a building

than there ever has been in the past. That is one of the reasons why the standard of architecture in the cities and towns is improving. This is especially noticeable in the construction of small residences. There are more small and comparatively inexpensive homes of architectural excellence being built today than every before. A residence doesn't necessarily have to be of expensive construction to be of pleasing appearance and correct arrangement.

When a man wants to draw up a legal document he consults a lawyer. Yet he would be just as foolish to plan a house, attend to the many details that precede the beginning of construction work, and attempt to solve unaided the problems that arise during the period of construction, as he would be were he, being unskilled and unversed in law, attempt to draw complicated legal documents or enter upon a law suit unaided by legal advice.

IS THERE SUCH A THING AS ETHICS IN BUSINESS?

By J. W. Wiley in Modern Methods.

Despite all the arraignment of business and business men by our large crop of demagogues and muck-raking politicians it is not in that chaotic moral state which characterized it for centuries and made "Caveat Emptor" the prevailing policy.

It would be useless to reiterate here the many and devious attacks on the morale of business men, as they are only too well known, and it would therefore seem a propitious time to present the other side of the case.

The great difficulty with business men as a whole is that they are so deeply absorbed in the pursuit of their affairs that they have neither the time nor the inclination to present their case to the people, nor to repudiate in the remotest degree the posterous, heartless leviathans of iniquity.

For the purpose of this discussion it would seem advisable to make a distinction between business men in their relations with labor and with the people generally as vendors, as it is the latter phase of the question we wish to speak of.

In the days of barter when the farmer traded his wheat for shoes or clothes as his needs demanded, when worldwide distribution was unknown; when trademarks, trade names and good will were not found among assets valued at millions; before the days of our vast business institutions that aim to build reputations upon the cassions of honesty and integrity, such a thing as ethics in business was an unknown quantity.

Today we find as a result of a process of evolution a far different situation and one that in so far as the right conduct of the seller toward the buyer is concerned is in the vast majority of cases ethical.

There have been, of course, a number of different factors responsible for this change, chief of which I think might rightly be said to be that business men as a whole have been convinced beyond a shadow of a doubt that "honesty is the best policy" and that profits accrued as a result of failing to give the buyer value received is as much inimical to the seller's interests from both an ethical and busi-

ness standpoint as it is illegitimate.

It is immaterial whether or not business men have assumed moral responsibility as a matter of self-preservation or because of a nobler conception of their obligations; the net result is what concerns us.

Individuals as well as classes cannot be justly estimated without taking a complete inventory of their stock and in closing their accounts, credits as well as debits must be entered at their proper value. Therefore, let every man of affairs be fully cognizant of those points in his favor, as they may possibly more than offset those against him.

It is an analysis of the credits that we shall be chiefly concerned with here.

Through the instrumentality of advertising probably more than any other single agency has the impetus been given to the higher standards in business.

Think just a moment and you will agree that this is true. Make a mental survey of the advertising of all those things that go to make up the appointments of our homes, the food we eat, the clothes we wear, the automobiles we ride in, and the many other necessities and luxuries of life we might mention, and you will find a far more important moral force than you might have supposed.

Consider the large merchandising establishments typical of the large cities of the country. Do you suppose they aim to willfully misrepresent in their advertising the true merits of their goods? Is there one of these institutions that would question for one moment the advisability of accepting the return of an article that proved unsatisfactory to one of their customers?

Do you know of a single national advertiser of food products from the breakfast food manufacturers to those of table delicacies that misrepresent to any degree the purity or palatableness of their products, but on the contrary, isn't a significant fact that they are constantly striving in every way to increase these qualities at an added expense, in order to attain as nearly as possible ideal conditions of manufacture from the standpoint of cleanliness, wholesomeness and purity of ingredients?

Isn't it true that every national clothing manufacturer strives to make his advertising conform, in so far as representations are concerned, to the character of his garments? Do you believe any representative clothing house in the country would endeavor to sell a cotton suit for all wool, even assuming the inability of the buyer to detect the difference?

What representative automobile manufacturer do you know of that grossly misrepresents any essential feature of the car he markets? It is true that even the use of the superlative in the qualifying adjectives has been practically discarded as bad form.

How many concerns would tolerate in their employ a salesman who misrepresented their goods to customers? How many concerns are there that would contract to furnish a buyer one thing and attempt to deliver something entirely different? How many concerns are there that ignore the policy of the square deal?

When Farmer Jones sends for a pair of shoes to his favorite mail order house, and sends his money in advance he had implicit confidence in the honesty and integrity of the institution he is doing business with, and knows that what he will get is what was described in the catalog.

The trademark and the trade name are virtually implied guarantees and have come to be considered as such. No manufacturers indelibly imprint his name on a product that he isn't prepared to guarantee, and in the final analysis what's the result? Buyer and seller deal on terms of mutual confidence based on the solid foundation of honesty and probity, and the policy of "Let the buyer beware" has been altered by time to read "Let the seller beware."

Business organizations today are becoming more and more permeated with the fundamental essentials of ethics, each one is building a composite character comprising all the ramifications of its activities.

What each institution should do is to develop what might be termed an institutional character, so that in dealing with its patrons they should know precisely what policy it would pursue in adjusting the various phases of differences which are bound to arise from time to time between buyer and seller.

Could there be any more incontrovertible evidence of the ethical tendencies in business than the action of the New York Times in absolutely giving a "money back" guarantee to every purchaser of goods advertised in their columns in the event of dissatisfaction on their part by reason of the character of the goods?

Is it evidence of existence of ethics in business when one of the large magazine publishing companies of the country absolutely refused their columns to one of the largest national advertisers because they refused to retract a statement made in an advertisement which the publisher considered questionable?

I believe that ethics is a vital, living force in business today and will extend its domain more and more in keeping with the tendencies of the day.

STORY OF THE GREAT YOLO BASIN CONCRETE TRESTLE.

It Bridges Over Three Miles of Marsh Lands and Unites the East and West Sides of Sacramento Valley.

[From the California Highway Bulletin.]

The completion of the Yolo Basin Trestle by the State Highway Commission was the occasion of a celebration May 11 to 14, 1916, in which practically the entire Sacramento Valley participated in the formal opening and dedication of this, the longest concrete trestle in the world.

For forty years the people of Sacramento Valley had been dreaming of the day when the basin would be permanently bridged, and at last the dream has come true.

The so-called Yolo Basin is flooded annually for six or eight months, and is a part of the great marshy district extending from a point some fifteen miles north of Marysville to Rio Vista,

a distance of more than 120 miles. The flooded territory is as wide as three miles in places.

South of the bridge at Meridian, which lies due west of Marysville, there has been no way of crossing the overflowed area in vehicles during the flood periods; and the east and west sides of the great Sacramento Valley have had no means of intercommunication by highway at such times.

For a few months during summer and fall, when the flood waters from the Sacramento have subsided and the marsh lands have dried out somewhat, a precariously passable road, known as the "Tule Jake" road, was the only means of crossing the basin.

It is unnecessary to say that "Tule Jake's" road was usually a concatenation of ruts and chuckholes.

Thus the reader from a distance may readily understand how the social and commercial interests of the Capital City have been hemmed in and how the farmer on the other side has been denied access to the market center of California by this great Yolo Basin; and he no longer wonders that the building of a solid concrete trestle with asphaltic pavement across this marsh was the occasion of an event comparable in spirit and enthusiasm with the celebration of the opening of the Panama Canal by the nation last year. For in truth, in a local way, the Yolo Basin Causeway is even of larger significance to Sacramento Valley and Central California than the Canal is to the Country at large, slides or no slides.

The building of this trestle of concrete was in pursuance of the policy of the California Highway Commission to construct the State highway system in a durable manner, and choose routes that would most directly and strategically connect the centers of population, regardless of engineering difficulties and false theories of economy in first cost.

The design of this trestle was worked out by the engineering forces in the Commission's office in Sacramento.

The westerly 2,000 feet of the trestle is of timber construction for the reason that some day a levee to define the westerly margin of the Yolo By-pass is to be built. Thereafter an earth fill may be substituted for the wooden trestle.

Including this wooden portion, the entire trestle is over three miles in length, and is reported as stated to be the longest trestle in the world. Its average height is 20 feet and it provides a clear driveway of 21 feet in width.

The contract for the work was let July 31, 1914. Driving the wooden piles on the west end began November 1st of that year, and the first concrete pile was driven on January 2, 1915, and the last on October 1, 1915.

On Saturday, March 18, 1916, the general public was given the first and long looked for opportunity to use the trestle; and on the following day over 2,000 automobiles, conveying 8,000 people, traveled over it.

Nearly 1,100 carloads of material were used in the construction of this great bridge, including 21,692 tons of crushed stone, 12,553 tons of sand, 32,000 barrels of cement and 2,200 tons of reinforcing steel. These materials, which cost \$148,000, were supplied by the Commission under its special half-

freight schedule agreement with the railroad company.

The contractors, the Graff Construction Company of Seattle, received \$246,000 under their contract. The total cost of the trestle was therefore a little under \$400,000.

The trestle is a structure resting upon reinforced concrete piles from 32 to 50 feet long, driven in groups of four abreast, called "bents," to an average depth of 20 feet. These piles are 14 inches square, the lower five feet being tapered to facilitate driving. They weigh from three to five and one-half tons each, according to length.

They were conveyed from the casting grounds to position by a narrow gauge railroad, especially built by the contractors for the purpose. The piles were cast with the ends of the heavy steel reinforcing bars projecting two feet from their tops. The two inside piles of each "bent" were driven vertical, the outside piles were sent down at a slant, giving the structure a widened and a braced foundation.

Each group of four piles is capped and bound together by a concrete cap. This cap is reinforced by heavy steel rods, and is cast in place, forming a solid monolithic member, with the projecting ends of the steel reinforcing bars of the piles embedded and anchored into the cap when cast.

Spanning the 20 feet from "bent" to "bent," the reinforced concrete floor slabs were placed directly upon the caps. These slabs weigh about six tons each. They are formed like a huge inverted box with side and end walls eighteen inches high and top six inches thick. Five of these slabs, side by side, bound by reinforcing steel and cement to the caps, form a practically solid stone structure three miles in length.

The precision of the lines and grades of the trestle have been favorably commented upon by many who have closely examined the work. As the piles and the guardrail stretch away out of sight across the watery wastes, one marvels at the skill displayed in driving the great concrete piles with such unvarying accuracy and at the assembling of all the bulky parts into a complete whole so that its lines and grades are as true as if the structure had been cast as a monolith.

This trestle, together with the connecting roadways, reduces the distance from Sacramento to San Francisco by automobile to 98 miles, a saving of 30 miles via Stockton and Altamont.

The run to Davis from Sacramento may be easily covered by auto in half an hour, and Woodland is now brought to within fifty minutes' driving time from the Capital.

There is a double satisfaction to the public in knowing this very important and necessary structure, which would be cheap at almost any price, has been finished in the most creditable manner at a cost that under the present war market conditions would cost many thousands of dollars more than the State has paid for it.

Incidentally, this trestle stands as a very striking physical exhibit of the California Highway Commission's methods in disbursing the State highway funds.

GENERAL WOOD WRITES OF OUR LACK OF MUNITIONS.

"I think the developments of the last year, both south of us and abroad, have indicated the desirability of a little better peace insurance," writes Major-General Leonard Wood, U. S. A., in the June number of *American Defense*, the monthly magazine published for the American Defense Society and which is on the newsstands this week. "There is nothing concrete, of course. But we are a good deal like a ship that is on an ocean, and wireless alarms of typhoons are coming in from all directions. We do not know when one is going to hit us. We know this, that if one does hit us we have not in any single particular—I make no exception whatever—adequate reserve materials for the first force we should have to call. We have about 700,000 Springfield rifles. We have also some 200-and-odd thousand Kraggs. That is all we have. We ought to have behind us today, at least one additional rifle for each man. That is the minimum. The French estimate two. The capacity of this country for the manufacture of arms, if war came on now, would be vastly increased over what it was a year ago. This capacity will increase incident to the orders for arms from abroad, and probably by the end of April we shall be up to 7,000 or 8,000 a day."

"We are very short of field artillery and field artillery ammunition, alarmingly short of both, and if we should suddenly become involved in war we should be absolutely without a reasonable supply of either artillery guns or ammunition. Soldiers today without adequate artillery are as helpless as a lot of men armed with butcher knives."

"As for the new heavy mobile guns, we have not a single one in the United States. The condition in reference to field artillery and of all types of field-artillery ammunition is a cause for grave alarm. This has been repeatedly reported during the last few years."

THE EXPOSITION IN RETROSPECT.

Mr. Charles Moore, President of the Panama-Pacific International Exposition, has announced the publication of a volume by the Commission on "The Legacy of the Exposition." Over seven hundred of the most prominent Americans who visited the Exposition have briefly contributed to the volume their views and impressions. The contributors to this interesting little literary gem represent all the professions and business callings to be found in the diversified life of America.

Our great political leaders and statesmen, such as Theodore Roosevelt, Elihu Root, Champ Clark, Wm. Jennings Bryan and William Howard Taft contributed epitomes. Franklin K. Lane, Robert Lansing and other cabinet members are there with interesting lines. There is a beautiful tribute from Vice-President Marshall and President Wilson's Toast was not overlooked. General Goethals expresses his opinion of the Exposition and its purposes. The sentiments on the affair as viewed by many of our leading mayors, governors, United States senators, admirals of the navy, presidents of great universities, the leading jurists, inventors and scientists also appear.

There are interesting remarks by

some of the most prominent women of the country. The great captains of industry also occupy a place in the work.

The volume has been artistically done by one of the West's leading print shops, so that it will prove a delight to the eye as well as to the mind. There will be only a limited circulation of the book.

GOVERNMENT SAFETY FIRST TRAIN

WASHINGTON, July 4.—The Government Safety First special train, carrying a quarter of a mile of exhibits illustrating the various life and property saving activities of Uncle Sam, is just beginning a tour of the Missouri, Kansas and Texas and the Union Pacific Railway systems. More than a third of a million people have viewed the big show train in its swing around the Baltimore and Ohio system, which was completed on June 30.

The great success of this train, which has been crowded to its capacity at every stopping place, has led other railroad companies to request that the special be sent over their lines. Secretary Lane of the Interior, has made arrangements with the Baltimore and Ohio railroad officials that the train will remain sixty days longer in the hands of the Government, and has arranged that the train will go over the Missouri, Kansas and Texas railroad for thirty days and then for thirty days over the Union Pacific.

After the completion of this itinerary, the Safety First Special will be delivered to the Union Pacific Railroad and will go over this line for thirty days after which the train will be turned back to the Baltimore & Ohio railroad.

"I regret very much that it will be impossible to favor the other railroads that have applied for this train," said Secretary Lane today, "I also regret that I have been unable to give a favorable response to the multitude of civic organizations in many cities and towns that have asked for a visit of the train. This is due to the fact that the Federal Government does not own the train. I feel that we have been very fortunate in obtaining such generous co-operation with the Baltimore & Ohio railroad and in having been able to show the exhibits to so many citizens. If it had not been for the patriotic action of President Daniel Willard of the B. & O., the train would have been an impossibility, for the Federal Government did not have the quarter of a million dollars necessary to purchase such a train. I hope that the day will soon come when the Federal Government will feel that it can afford to own and operate such a train to the end that all of our people may have an opportunity to learn more about what their government is doing along these humanitarian lines."

Copies of the British Columbia act, respecting the inspection of steam boilers and engines, and the examining and licensing of engineers, and the British Columbia rules for the inspection of boilers and engines, have been received from the American consulate general at Vancouver and may be inspected at the Bureau of Foreign and Domestic Commerce or its district offices. Refer to file No. 77507.

Statement Of The Structural Steel Shops Of San Francisco And Bay Cities, As Submitted To And Approved By The Building Trades Employers' Association Of California. July 10, 1916.

For the information of the public we beg to submit herewith the following facts in connection with conditions existing in the Plants of the Firms fabricating structural steel in San Francisco and Oakland.

Up to the present time our men have been working nine hours per day but a strike is now in effect to enforce an eight hour day.

We have taken the stand that it is impossible for us to concede this eight hour demand or make any other concession and hope to remain in business for the reason that we now pay at least thirty-five per cent higher wages than our competitors located elsewhere who work nine and ten hours. In addition similar plants on the Pacific Coast and in the East with whom we are in direct competition are operated on an exclusive open shop basis, which means that there is no limitation of production.

Heretofore our Eastern competition has been limited principally to plants located around Pittsburgh and New York, but in addition we are now in competition with the entire Middle West due to a recent ruling by the Interstate Commerce Commission, permitting fabrication in transit, which means that a Structural Steel Plant, for example in Kansas City, can purchase material in Pittsburgh, ship it to their plant in Kansas City, fabricate and then re-ship it to San Francisco for the same freight rate that we pay

for the raw material shipped direct from Pittsburgh to San Francisco.

If we were to grant this demand our Eastern competitors would be able to take all the business of any moment offered in this market and our plants and our workmen would eventually be put out of business.

In view of the fact that the demand made on us is a forerunner of other demands to be made on other branches of the building industry, we feel that we should have the support of the business community and especially of property owners who ultimately pay the bills, and who heretofore have shown no interest in the conditions prevailing in the building business, but on the contrary in many instances have forced the employer to accede to unjust demands on the part of his employees.

The greatest difficulty with which we have to contend is not so much against the pressure brought by the strikers as against the pressure brought by the merchants and owners who demand that their buildings be completed and that their work go on in accordance with their contracts.

In conclusion we beg to call your attention to the fact that we are perhaps the last manufacturing industry in this vicinity in the iron and steel business attempting to cope with outside competition.

STRUCTURAL STEEL EMPLOYERS OF SAN FRANCISCO AND BAY CITIES.

have made many improvements in the plant and at the present time are working at full capacity. Mr. A. Muller, Superintendent of the Meek Co., reports the following work on hand: All interior work of the Southern Pacific Depot at Fresno, Cal., which includes tile, marble and quartered oak finish; the Stockton Savings Bank, Stockton, Cal., all quartered oak interior finish, and a large store on Mission street for W. R. Davis, interior finish to be in Eastern gum.

SACRAMENTO ASSESSMENT.

SACRAMENTO—According to the report of Charles Mier, city assessor, the total valuation of personal property, improvements and lands in the city of Sacramento is \$600,000 less than they were last year. The figures of the assessor show the property to be valued at \$74,977,318, as compared with \$75,566,236 last year.

RUSH WORK ON IRRIGATION PROJECT.

ANDERSON (Shasta Co.)—Three hundred men and 400 horses are at work on James Williamson's contract on the Anderson-Cottonwood irrigation District's canal.

The main canal is completed from Redding to Olney Creek, four miles south. A new camp has been established at Clear Creek, where the main crew is at work. The Anderson crew is very little smaller. These men are working in the neighborhood of Panorama Point, midway between Anderson and Cottonwood.

The lateral from the main canal to the Churn Creek siphon is completed.

On the east side of the river, McIntire and Vernon have completed six miles of lateral.

The district, which will build the siphon itself, is assembling material for beginning the work.

Bridges are being constructed by a contractor from Orland. Lumber is on the ground for building the forms for twelve concrete bridges. These bridges are ready for pouring cement.

EUREKA BUILDING TOTALS.

EUREKA, Cal.—Ira B. Thomson inspector of buildings for Eureka, has completed a report for building activity in Eureka covering the period from July 1, 1915, to June 30, 1916, inclusive, which shows that this city has had a rather progressive lot of construction, a total of \$144,377 having been spent.

One interesting feature of Thomson's report was that permits were issued for sixty-one residences ranging in price from \$100 to \$6,650.

Date	Permits	Amount
July	16	\$ 10,058
August	10	7,943
September	19	17,275
October	11	9,650
November	10	13,394
December	10	6,585
January	11	14,075
February	8	6,415
March	14	6,555
April	11	9,551
May	18	14,186
June	11	15,690
Total	142	\$144,377

A SUCCESSFUL AUTOMOBILE TRUCK.

One of our greatest problems in the entire country west of the Rocky Mountains, and especially on the Pacific Slope, is the solving of our "Off the railroad" transportation needs. This is being largely and adequately handled by many of the famous F. W. D. trucks manufactured by the Four-Wheel Drive Auto Company of Clintonville, Wisconsin.

This enterprising firm was pre-eminent the first and foremost in the field of motor truck manufacturers in the country to have been successful in building a line of motor trucks that apply equal power to all four wheels, using full floating axles.

This system of applying power results in a gain of practically 100% in traction efficiency, which gives one the idea of a rail-less locomotive with four powerful driving wheels, absolutely independent of tracks or even roads. All F. W. D. trucks seem to need is a driver and a place to go. This fact has been proven by the work of one thousand or more trucks now operating in the camps of the allies where they are performing the hardest kind of strenuous work that one could conceive of.

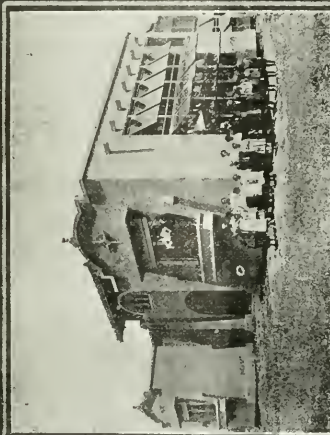
It is surprising to note that in building these trucks no gears or friction is used by the Four-Wheel Drive in delivering power to the front wheels, the power being applied by means of a

simple universal joint enclosed in a ball and socket which runs in grease. Thus the method of power application has been so contrived that the speed of the driving mechanism is gradually brought down, between the motor and the driving wheels so that when the maximum power is delivered at the driving wheels, the speed of the driving mechanism conforms to that of the driving wheels, thus eliminating all shock and strain. This feature is unique and exclusive in the Four-Wheel Drive Truck, and is acknowledged to be the secret of the low cost of operation and the small liability of breakage and excessive wear.

These Trucks are being handled by the Four-Wheel Drive Truck Co., located at 343 Golden Gate avenue, San Francisco, with Mr. J. E. Perkins as general manager of the local concern. They are being demonstrated to many of the large lumber and mining firms on the Coast and meeting with unprecedented success.

MECK COMPANY EXTENDS BUSINESS.
Well Known Manufacturers of Bank and Office Fixtures Purchase The Herman Co. Report Much Business.

T. H. Meck Co., manufacturers and designers of store, office, bank and bar fixtures, has purchased the Herman Company, 951-961 Howard street, and



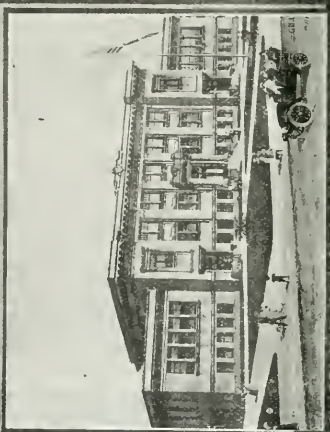
COLLEGE PARK SCHOOL - SAN JOSE. - Frank D Wolfe Architect



ROCK RIDGE SCHOOL, OAKLAND. - J.J. Donovan Superinsing Arc.



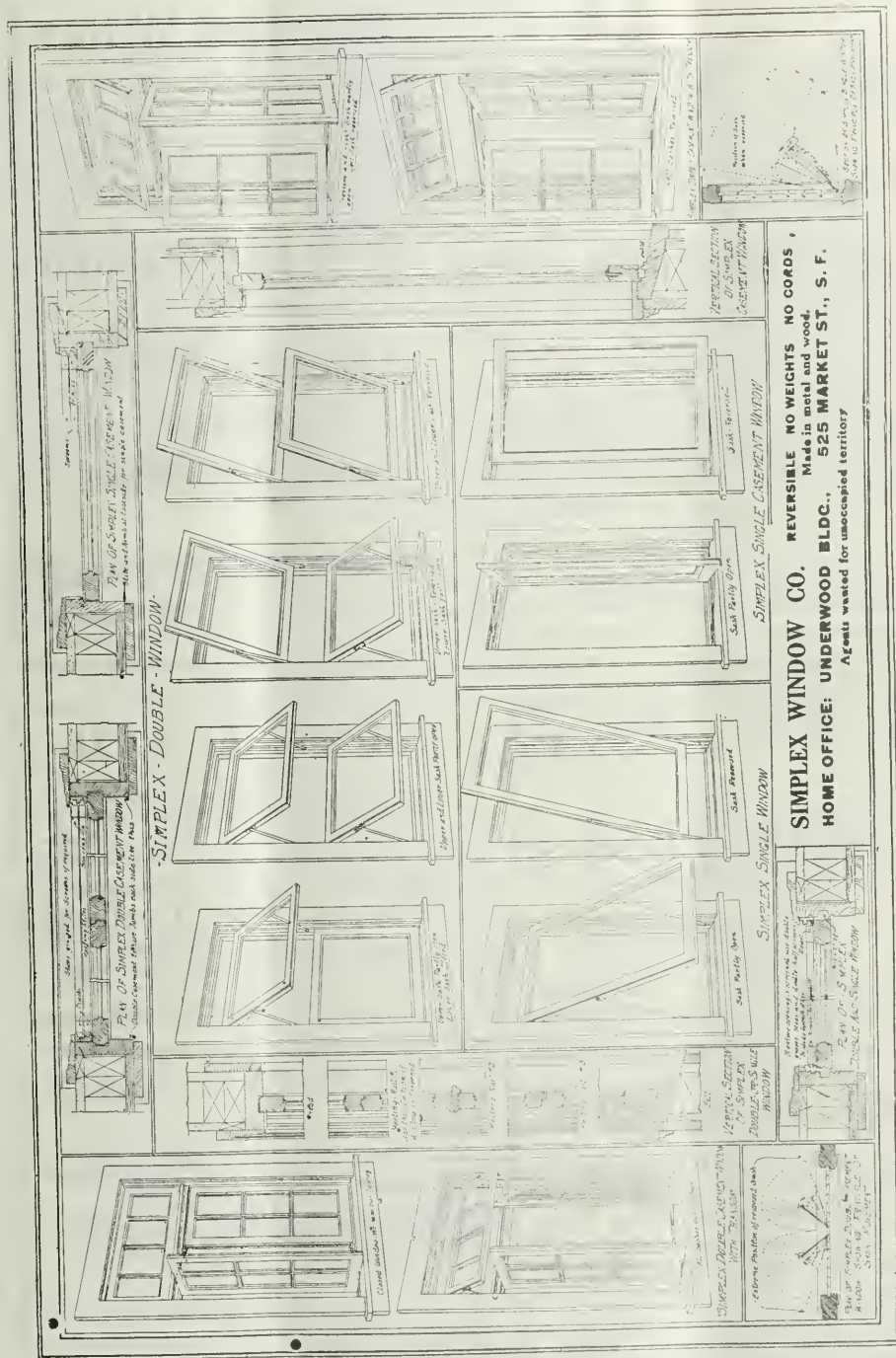
INTERIOR VIEW - MICHESENEY SCHOOL - J.J. Donovan Superinsing Arc.



WOODLAND SCHOOL - W.H. Weeks Architect.

Equipped with SIMPLEX WINDOWS 525 Market St., S. F.

Send for Catalog. Agents wanted for unoccupied territory.



"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check - and Spring

Still on Deck Best in the World

**Sure to Close Your Doors
Without Slamming**

Strictly An Air Cushion Check, working automatically.
Simplicity and Durability combined Applied
to either side of any size of door either
Right or Left Hand, without change

In ordering, give size of Door; also projection of Casing (if any)
over door, when Bracket will be sent to fit.

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"
Automatic
Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

539-541 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 5941

THE
Safe Deposit Vaults
of the
BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

**From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.**

Boxes \$2 50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

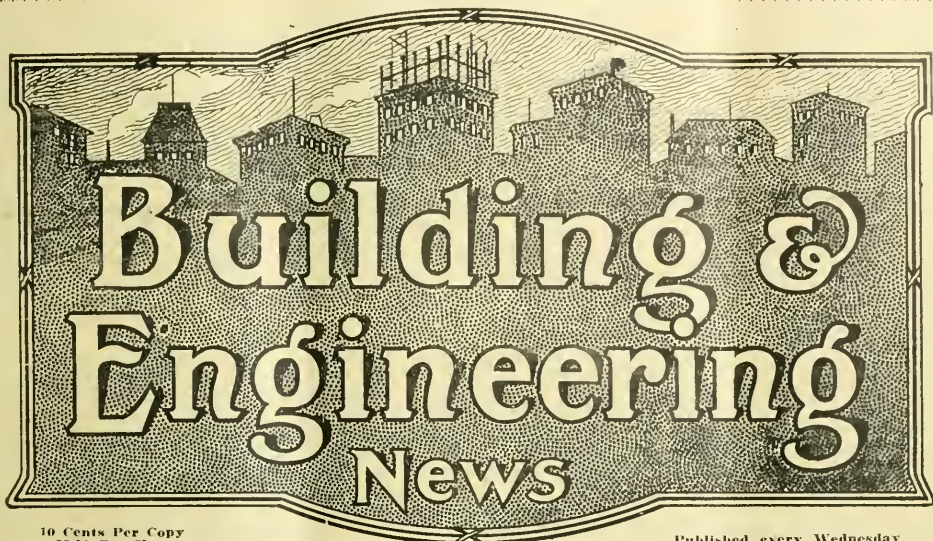
**Fine and Sanitary
PLUMBING**

Frank J. Klimm
PLUMBER

221 OAK STREET

Bel. Gough and Octavia

SAN FRANCISCO, CAL.



10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 28

Publication Office,
560 Mission St.

San Francisco, Cal., July 19, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best in the World

**Sure to Close Your Doors
Without Slamming**

Strictly An Air Cushion Check, working automatically.
Simplicity and Durability combined Applied
to either side of any size of door either
Right or Left Hand, without change

In ordering, give size of Door; also projection of Casing (if any)
over door, when Bracket will be sent to fit.

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

**Automatic
Gas Water Heater**

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member

Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfit

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Addressed by phone at San Francisco, Franklin 2807
Oakland, Oakland 8941

**THE
Safe Deposit Vaults
of the
BANK OF ITALY**

Are Open Every Day of the Year

Including Sundays and Holidays

**From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.**

Boxes \$2 50 per year and upwards.

Union Market, Mason and Turk Streets

Telephone Market 1935

**Fine and Sanitary
PLUMBING**

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and Octavia

SAN FRANCISCO, CAL.

Konveno is the ideal closet for small bathrooms



It is so constructed that it can be used as a convenient shelf upon which to stand toilet articles that are constantly in use.

Any object can be laid upon it, without any possibility of it sliding off.

Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.

"Pacific"



Plumbing Fixtures

Showroom and main offices,
67 New Montgomery St.
San Francisco, Cal.

Factories,
Richmond,
California.

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan-Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, July 19, 1916

Sixteenth Year, No. 28



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
580 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	1
Apartment Houses	4
Bonds	1
Bridges, Dams and Harbor Work	4-5
Factories and Warehouses	5
Fire Houses and Jails	5
Fresno, Modesto, Stanislaus and Central California	28-29
Garages	29
Government Work and Supplies	3-6
Hospitals	6
Hotels	6
Irrigation Projects	6
Los Angeles and Southern California	20-31
Marin, Contra Costa and Sonoma Counties	27-28
Oakland and Alameda County	18-19-20-21-22-23-24-25
Power Improvements	6
Railroad Construction, Stations and Equipment	6-7
Residences	7
Sacramento, Stockton and Northern California	29-30-31
San Francisco	12-13-14
	15-16-17-18
San Jose and the Santa Clara Valley	26-27
Schools	7-8
Sealed Proposals	10-11
Seattle and Washington	30
Sewers, Street Work and Water Systems	8-9-10
Stores and Offices	10
Theatres	10

PREPAREDNESS IN THE SCHOOLS.

"Trust in God but keep your powder dry" was the advice of Cromwell, who was a hidebound puritan and a dogmatic churchman but a great military leader. "The Lord fights on the side of the strongest battalions" was the epigram of Napoleon, the greatest military genius of the world.

So as long as the millennium is not here and there are nations and peoples in the world whose aim is military supremacy, it is just as necessary that a nation make provision for its protection from invasion and the maintenance of the rights of its citizens throughout the world as it is for an individual to provide for his future physical welfare or for a frontiersman to protect himself against bandits, savages, and wild beasts.

Our good friends, the peace at any price advocates, have a good purpose in view. But one who has to reflect that this great world war is being waged by Christian nations, each of the warring nations insisting that God is on its side, and employing the aid of the gentle Nazarene, whose mission here was heralded by the divine message of "Peace on Earth, Good Will to Men."

So to most of us who exercise what little brain we have to view human history and human nature from a reasonable standpoint, the efforts of the pacifists to wish peace and good fellowship upon a world at war seems more or less ridiculous. In any event one can talk peace just as effectively if he is able to fight as he can if he refuses to put himself in condition to resist attack and allows himself to be imposed on by every hoodlum and bully whose sense of morality is that of the savage.

So aside from the maintenance of a respectable army and navy, an efficient organization of our industries the effect of military training upon the youth of the land is of the highest value, when given in such manner as the Swiss give it. And in this they begin in the schools at the age of ten, military drill without arms, and the qualities it is meant to imbue are these:

First—Obedience.

Second—Discipline.

Third—Physical fitness.

and who can say that these are not the first essential of success in any walk of life.

It is well for the pacifists to consider these three shining truths that are taught by the Switzerland of today which are quoted from an address by Mr. Frederick A. Kuenzli, formerly lieutenant in the Swiss army and teacher in the Swiss Public Schools, at the hearing of the Welsh Bill before the Senate and Assembly of the State of New York:

1. Switzerland's policy of preparedness has always been to the end of

keeping peace and preventing war. It has succeeded in those accomplishments.

2. By keeping her powerful military resources always in readiness Switzerland frustrates the ambition any neighboring power might have to attack her or to violate her neutrality, by misuse of her territory in the present war.

3. Preparedness founded on the training of the youth does not foster militarism or a desire for military aggression, but is a wonderful contribution to the vigor and vitality of the nation.

How can we better judge the efficacy of Switzerland's policy than by observing how she fared when that policy was put to the test? No more severe trial than that arising from the world struggle which has already lasted 19 months could come to a nation hemmed in, as is Switzerland, among the four great belligerent powers of Europe. Has Switzerland's policy of preparedness succeeded in this case?

Switzerland is at peace and will remain so.

Why did not Germany strike at France through Switzerland instead of through unprepared Belgium and defenseless Luxembourg?

What prevented France and Italy from invading Germany at her most undefended frontiers through Switzerland?

To both question the answer is the same:

The big powers know how tremendous an obstacle the well-dressed and equipped, efficient patriotic Swiss army manning the well-nigh impregnable fortifications of Switzerland would be to any invasion conducted through her territory.

What more logical than the Swiss System of preparedness should appeal peculiarly to us because Switzerland has been a republic for 624 years, and the Swiss people stand, like ourselves, as the guardian of liberty and living examples of the success of justice and orderly self-government.

Let us no longer lag behind our little sister of the Alps in this manner of preparedness! Let us reap the advantages we must reap if we take model from Switzerland and adopt her system of compulsory physical training in the public schools."

CALIFORNIA STATISTICS.

WASHINGTON—California possesses more than 10,000 manufacturing establishments producing annually manufactured products worth more than \$700,000,000, according to a report of the Census Bureau on manufactures in California in 1911. The population of California at the census of 1910 was 2,377,519 and the Census Bureau estimates that it was 2,758,000 on July 1, 1914.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 3 story and base, brick and steel, \$25,000. Architect, W. G. Hind, 46 Kearny street, S. F. Owner, Dr. Clyde S. Payne. Location, northwest Seventh avenue and Judah, covering an area of 50 by 100 feet. Will contain 20 suites of two and three rooms. Plans complete and segregated figures being taken.

SAN FRANCISCO—Apartment houses 2, 3 story and base, frame, \$11,950 each. Architect, none. Owner, F. W. Lurmann, 1370 Washington street, S. F. Location, south Sacramento west of Hyde, each covering an area of 27½ by 87½ feet. Will contain three apartments each. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$35,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Marcus Marcussen, Royal Insurance Bldg., S. F. Location, west Jones north of Washington, covering an area of 50 by 110 feet. Will contain 12 apartments of three and four rooms. Plans complete and owner taking segregated figures.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$25,000. Architect, August G. Headman, Cal Bldg., S. F. Owners, Graham & Rhine. Location, south Washington east of Presidio. Will contain apartments of five, six and seven rooms. Plans complete and figures being taken.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 2 story and base, frame, \$5,000. Architects, J. C. and Merrill Newsom, 1748 Broadway, Oakland. Owner, Mr. Shaw. Location, Ellsworth near Fulton. Will contain six apartments of three rooms each. Plans being prepared.

OAKLAND, CAL.—Apartment houses, 2, 3 story and base, frame and brick. Cost not stated. Architects, Sidney B. and Nohle Newsom, Nevada Bank Bldg., S. F. Owner, J. M. Booth. Location, southeast corner 10th and Oak streets. Will contain two and three room apartments. Plans complete and in the hands of the owner who is letting contracts.

BERKELEY, ALAMEDA CO., CAL.—Apartment houses, 2, 3 and 4 story. Class C construction, \$65,000 and \$50,000. Architect, John W. Woollett, 1005 K street, Sacramento. Owner's name withheld. Preliminary plans only have been prepared. Further mention will be made of the work.

BERKELEY, ALAMEDA CO., CAL.—Apartment house and stores, 3 story and base, frame, \$25,000. Architects, O'Brien Bros., 210 Montgomery street, S. F. Owner's name withheld. Location, Channing Way. Will contain six stores and a number of two-room apartments. Plans complete and contract to be awarded at once.

LOS ANGELES, CAL.—Apartment house, 4 story and base, brick. Cost not stated. Architects, Peoples & Cheney, Haas Bldg., L. A. Owner, Miss

Ruby Cotner. Location, Coronado between Wilshire and Sixth streets, covering an area of 60 by 107 feet. Will contain 75 apartments of two and three rooms. Plans being prepared.

PASADENA, LOS ANGELES CO., CAL.—Apartment house, 2 story and base, frame. Cost not stated. Architects, Peoples & Cheney, Haas Bldg., L. A. Owner's name not given. Location, South Los Robles avenue, covering an area of 60 by 172 feet. Will contain 50 rooms arranged in 18 apartments of two, three and four rooms. Plans being prepared.

LOS ANGELES, CAL.—Apartment house, 2 story and base, brick. Cost not stated. Architect, Louis Blecher, L. W. Hellman Bldg., L. A. Owner, William G. Donald, Westley Roberts Bldg., L. A. Location, near Grand avenue and Adams. Will contain 16 apartments of five rooms. Garage in basement. Plans complete and figures being taken.

BONDS

MERCED, MERCED CO., CAL.—The Merced Union High School District bonds, amounting to \$150,000, have been sold by the County Supervisors to the Bank of Italy at a premium of \$9,725.50. The bonds bear 5 per cent interest and run from one to twenty years.

The proceeds of the sale will finance school improvements as planned by the Supervisors.

WOODLAND, YOLO CO., CAL.—The sewer and water bonds of \$61,000 have been sold by the City Council to E. H. Rollins of San Francisco, their bid being the highest of seven bidders. The premium offered was \$2,645.

RIVERSIDE, RIVERSIDE CO., CAL.—A committee has been appointed to devise ways and means of constructing a new pavilion in Fairmount Park. It is probable that a bond election will be called to raise the necessary funds.

TRACY, SAN JOAQUIN CO., CAL.—A petition, signed by a majority of land owners in the West Side Irrigation District, has been presented to the directors of the district, asking that an election be called to vote bonds of \$295,000 to construct the necessary ditches and installing the machinery needed to put water on the land.

ALHAMBRA, LOS ANGELES CO., CAL.—A special election will be held on August 3rd to vote bonds of \$225,000 with which to purchase the San Gabriel Valley Water Company properties.

SANTA ANA, ORANGE CO., CAL.—Bonds of \$20,000 were voted last week by the Talbert Drainage District. The proceeds of the sale of the bonds will purchase a dredger and lay a pipe line to the ocean.

COALINGA, FRESNO CO., CAL.—An election has been called for August 7th to vote bonds of \$3,000 for the building of a city hall and fire station.

\$6,000 for the purchase of a site for the proposed natatorium and \$14,000 for an auxiliary fire lighting system consisting of a 200,000 gallon reservoir and pumping plant.

REDWOOD CITY, SAN MATEO CO., CAL.—The County Supervisors have sold the \$66,000 bonds of the South San Francisco School District to the Lumberman's Trust Company. A new school will be erected from the proceeds of the sale.

SAN RAFAEL, MARIN CO., CAL.—The City Council at their last meeting destroyed the \$10,000 canal bond issue. In doing this the Council is preparing to make way for a new issue for channel and harbor work.

CULVER CITY, LOS ANGELES CO., CAL.—The State Board of Control has declined to take the \$35,000 bond issue of the Culver City School District on account of illegalities in the proceedings for the formation of the district. It is probable that another election will be called.

TURLOCK, STANISLAUS CO., CAL.—August 4th is the date set to vote bonds of \$100,000 to secure the necessary funds for the erection of a new high school.

OCEAN BEACH, SAN DIEGO CO., CAL.—The City Engineer will recommend to the City Council to call an election to vote bonds for the following improvements: A jetty to extend from the foot of Narragansett street a distance of 800 feet.

Another is to extend from the bridge over the entrance to Mission Bay a distance of 1750 feet. It will be six feet wide at the top. The plans also call to eight groins 200 feet apart to extend 200 feet into the ocean from the foot of Newport street. They are to be of timber planking bolted to reinforced concrete posts.

A reinforced concrete pleasure pier to extend from the foot of Narragansett street a distance of 800 feet. The second item also includes cement stairs from the cliffs of Narragansett street to the pier, a comfort station and a cement walk along the beach a distance of two blocks.

The estimated cost of the jetties is \$87,000. The estimated cost of the pier, comfort station and walks is \$38,000.

ALPAUGH, TULARE CO., CAL.—The \$283,000 bond issue recently authorized by the voters of the Alpaugh District has been declared legal by Judge J. A. Allen.

BRIDGES, DAMS AND HARBOR WORK

BENICIA, SOLANO CO., CAL.—Bridge, steel and concrete. Cost not stated. Engineer, County Surveyor, Fairfield. Owners, Solano County. At the last meeting of the County Board of Supervisors the plans and specifications for a new bridge across Platis Creek, road No. 125, Elmira Township, new bridge on road No. 310, Denverton

Township, and new bridge in Silveyville township to replace the Lacy bridge, were ordered approved, and the Clerk directed to advertise for bids for said work, bids to be opened on August 7th. Plans for the work together with full information may be had from the County Clerk at Fairfield.

YREKA, SISKIYOU CO., CAL.—Bridge, steel and concrete. Cost as follows. Engineer, County Surveyor, Yreka. Owners, Siskiyou County. All bids received by the Board of County Supervisors for the construction of the proposed Quigley suspension bridge have been rejected and new bids will probably be called for. The following bids were received: William Stephens of Redding for building bridge according to plans, \$6,700; alternate bid, substituting steel towers, \$7,806. Portland Bridge Company, by R. E. Meith, for building bridge with wooden towers, \$5,400; for building bridge with towers as per plans, \$6,000.

TACOMA, WASH.—Bridges, steel. Cost as follows. Engineer, City Engineer, Tacoma. Owners, City of Tacoma. The Washington Paving Company of Seattle was low bidder on both the Division and Trent street bridges with A. C. Biegle & Co. of Spokane a close second on both jobs. In both cases the bids are below the estimate. Awards will wait on a complete tabulation of proposals. The two bids were as follows: Washington Paving Co., Division street, \$105,143; Trent avenue, \$92,643. A. C. Biegle & Co., Division street, \$109,987; Trent avenue, \$96,341.

SAN RAFAEL, MARIN CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. The City Council at its last meeting instructed the City Manager to prepare plans and specifications for a full width concrete bridge for C street.

BAKERSFIELD, KERN CO., CAL.—Bridge, timber. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on August 9th for the construction of a 150-foot pile bridge over what is known as Buttonwillow Slough at Old Headquarters, in Section 12, Township 30 South, Range 24 East, Mount Diablo Meridian.

Contracts Awarded.

SAN FRANCISCO—Bridge repairs, \$58,287. Engineers, Galloway & Markwart, First National Bank Bldg., S. F. Owners, Northern Electric R. R. Co., John P. Coghlan, Receiver. Contractors, Missouri Valley Bridge and Iron Co., Leavenworth, Kansas. Contract price, \$58,287.

REDDING, SHASTA CO., CAL.—Bridges, reinforced concrete. Cost as follows. Engineer, County Surveyor, Redding. Owners, Shasta County. Contractor, William Stephens, Redding. Contract price, Clover Creek bridge, \$2,417; Stillwater bridge, \$3,547.

VISALIA, TULARE CO., CAL.—Bridge, timber and reinforced concrete. Cost as follows. Engineer, County Surveyor, Visalia. Owners, Tulare County. The County Supervisors have awarded the following bridge contracts: To Johnson Bros., Kingsburg, at \$10,182 for the construction of the Rockford bridge in Road District No. 1. To Johnson Bros., Kingsburg, for the construction of the Success bridge in Road District No. 1 on their bid of \$7,290. To Nate Lovelace, Visalia, con-

struction of the Elk Bayou bridge on his bid of \$15,245. To Nate Lovelace, Visalia, for the construction of the Elk Bayou Canyon bridge at \$1,406.

FACTORIES AND WAREHOUSES

OAKLAND, CAL.—Bunk house and shed, 2 story, frame, \$2,000. Architect none. Owner, Joe Martin, 2241 Valley street. Oakland. Location, east Magnolia between 24th and 26th streets. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Warehouse, 2 story and base, brick and steel. Cost not stated. Architect, William Kerr, L. A. Owners, The Eastern Outfitting Co., 626 South Main street, L. A. Location, Enterprise street and Santa Fe avenue, covering an area of 90 by 140 feet. Plans complete and work to be sublet by owners.

Contracts Awarded

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Rice mill, 2 and 4 story, mill construction, \$18,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, Growers Rice Milling Corporation, Contractors, Val Franz & Son, 180 Jessie street, S. F., general construction, \$13,700. Lamp-burn, piling, \$3,500. Special machinery to be let by owners.

PILE HOUSES AND JAILS

Contracts Awarded

REDWOOD CITY, SAN MATEO CO., CAL.—Jail equipment, \$17,604. Architect, Will H. Toepke 46 Kearny street, S. F. Owners, San Mateo County. Contractors, Paoli Jail Co., S. F. Contract price, 17,604.

GARAGES

Contracts Awarded

SAN FRANCISCO—Garage alterations, 2 story, reinforced concrete \$17,000. Architect, Henry H. Gutterston, 278 Post street, S. F. Owners, White Co. Contractors, Moore & Burlingame, 110 Jessie street, S. F. Contract price, \$17,000.

GOVERNMENT WORK & SUPPLIES

Power and Pumping Equipment.

Power and pumping equipment for Grandview irrigation district, Sunny-side unit, Yakima project, Wash., bids received at Denver, Colo.:

Schedule 1—Electrical Apparatus.

Item 1, 1 187-k. w. a. gen. and ex.; 2, 3 60-kv-a. single-phase transformers; 3, switchboard equipment; 4, combination bid for all apparatus in schedule 1.

General Electric Co., Schenectady, N. Y., item 1, \$5,142; 2, \$1,472; 3, \$3,420; 4, \$12,190.

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa., item 1, \$2,500; 2, \$1,236; 3, \$3,000; 4, \$7,130.

Fairbanks, Morse Co., Denver, Colo., item 2, \$1,482.

Pittsburgh Transformer Co., Pittsburgh, Pa., item 2, \$1,152.

Schedule 2—Hydraulic Apparatus.

Item 1, hydraulic turbine, 270 h. p., 600 r. p. m., 72 ft. head; 2, direct pumping unit, using 110 sec ft. at 21 ft. head, pumping head 78 ft.; 3, 10 sec ft., 75-ft. lift pump and motor; 4, 10 sec ft., 35-ft. lift pump and motor; 5 10-ton hand-power traveling crane.

S. Morgan Smith Co., York, Pa., item 1, \$4,500; 2, \$3,300.
The Trump Mfg. Co., Springfield, Ohio, item 1, \$3,250.

Pelton Water Wheel Co., item 1, \$4,865; 3, pump \$1,065, G. E. Mot., \$1,088; W. H. Mot., \$962; total G. E. \$2,153; total W. H., \$2,027; item 4, \$1,065, \$1,096, \$901, \$2,161, and \$1,997.

Fairbanks, Morse Co., item 3, pump, \$635, total \$1,880; 4, \$635 and \$1,745.

Cyclops Iron Works, Denver, Colo., item 5, \$675.

Whiting Foundry Equipment Co., item 5, \$735.

Brown Hoisting Machinery Co., item 3, \$750.

Niles-Bement-Pond Co., item 5, \$1,515.

Schedule 3—Steel Work, Etc.
Item 1, riveted steel pipe; 2, cast iron head gates; 3, trash racks; 4, combination bid for all material in schedule 3.
Western Pipe and Steel Co., item 1, \$2,713; 2, \$255; 3, \$670; 4, \$3,900.

Vulcan Iron Works, Denver, Colo., item 2, \$420.

Trump Mfg. Co., item 3, \$510.

Judson Mfg. Co., San Francisco, Cal., \$397.

Schedule 4—Erection of Electrical Apparatus.

General Electric Co., \$2,200.
Westinghouse Electric & Mfg. Co., \$870.

Prospective Bidders—Supervising Architect.

Specifications for work under the office of the supervising architect have been furnished to the following firms in addition to those previously noted in these columns:

Portland, Ore., Construction, August 7.

Puget Sound Bridge and Dredging Co., Central Building, Seattle, Wash.

Spalding Construction Co., Rialto Building, San Francisco, Cal.

Olson & Johnson Co., Missoula, Mont.

Bayajohn-Arnold Co., Medical Lake, Wash.

Campbell Building Co., Salt Lake City, Utah.

J. H. Wiese, Omaha, Neb.

Norman Ker Co., 1123 Broadway, New York City.

Hans Pederson, Alaska Building, Seattle, Wash.

M. Yeager & Son, Danville, Ill.

MacRea Bros., American Bank Building, Seattle, Wash.

O. H. Olsen, Stillwater, Minn.

Pearson Construction Co., 754 New York Block, Seattle, Wash.

C. S. Moffitt, Palestine, Tex.

Thomas W. Cissel, Wooster, Ohio.

Ward & Goodwin, 110 Jessie street, San Francisco, Cal.

John Wallin, Tacoma, Wash.

Grant Fee, 2440 16th street, San Francisco, Cal.

Sound Construction and Engineering Co., 72 Union street, Seattle, Wash.

Henry Ericson Co., City Hall Square Building, Chicago, Ill.

The William Dall Co., Marion Building, Cleveland, Ohio.

George Curley, Kearns Building, Salt Lake City, Utah.

George Eckman, Mutual Life Building, Seattle, Wash.

William H. Maxwell, Lakeside, Wash.

George Baker Long, State Mutual Building, Worcester, Mass.

L. P. Hobart, 1122 Crocker Building, San Francisco, Cal.

Portland, Ore., Mechanical Equipment, August 7.

The Turner Co., 77 Natoma street, San Francisco, Cal.

McLargo-McKenny Co., Armour Building, Seattle, Wash.

Thomas J. Sheehan Co., 1428 Olive street, St. Louis, Mo.

Campbell Building Co., Salt Lake City, Utah.

General Heating and Ventilating Co., 474 Jefferson street, Milwaukee, Wis.

Healy Plumbing and Heating Co., St. Paul, Minn.

The G. A. Kees Domestic Engineering Co., 260 E. 7th street, St. Paul, Minn.

S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, Pa.

W. G. Cornell Co., Southern Building, Washington, D. C.

L. P. Hobart, Crocker Building, San Francisco, Cal.

M. Yeager & Son, Danville, Ill.

Pearl Harbor, Track Sales.

The following bid was received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., July 1 for furnishing a railway track scale at the naval station, Pearl Harbor, H. T.:

Item 1, for furnishing and erecting a railroad scale on the coaling-plant railway trestle, complete; 2, do, in accordance with the spirit of the specification, but with such modifications of methods and details as may be proposed by the bidder; 3, add to items 1 and 2 for furnishing and erecting, complete and ready for use an automatic weighing and recording device; 4, price for the scale f. o. b. manufacturer's works; 5, price for scale equipped with the automatic weighing and recording device f. o. b. manufacturer's works; 6, price per working day of 8 hours each, for services of a competent engineer to superintend the erection by the government of the scale and automatic weighing and recording device.

The Fairbanks Co., 516 Broome street, New York City, item 1, \$5,350; 1, \$1,150; alternate bid, \$2,400, excluding mechanic's service.

Reclamation Work.

Bids for earthwork and structures, Bowdoin Canal, Milk River project, were received by the U. S. Reclamation Service, Malta, Mont., on June 22 as follows:

James O'Connor, Malta, Mont., \$21,710, schedule 1.

The Security Bridge Co., Minneapolis, Minn., \$7,847.50, schedule 2.

Reclamation Service, Winch.

The following bids were received by the chief engineer, U. S. Reclamation Service, Washington, D. C., on July 5 for furnishing a winch for steel shutter for Elephant Butte Dam:

Vulcan Iron Works Co., Denver, Colo., \$1,200; time, 30 days.

Stacy-Schmidt Manufacturing Co., York, Pa., \$1,350; time, Sept. 15.

J. & J. B. Millholland Co., Pittsburgh, Pa., \$1,092; time, Nov. 1.

Schoellhorn-Albrecht Machine Co., St. Louis, Mo., \$1,500, time, 60 days.

Minneapolis Steel and Machinery Co., Minneapolis, Minn., \$1,167; time, 60 days.

El Paso Foundry and Machine Co., El Paso, Tex., \$704; time, 60 days.

The Webster Manufacturing Co., Tiffin, Ohio, \$1,217; time, 60 days.

The Rosedale Foundry and Machine Co., Pittsburgh, Pa., \$1,691; time, November 1.

S. B. Harding, Insurance Exchange, Chicago, Ill., \$1,270; time, 60 days.

Joshua Handy Iron Works, San Francisco, Cal., \$1,250; time, Aug. 20.

Western Navajo Indian School.

All bids received by the commissioner of Indian affairs, Washington, D. C., June 19 for constructing a frame dairy barn at the Western Navajo (Ariz.) Indian School have been rejected.

Reclamation Service, Cement.

Under authority of the Secretary of the Interior the following awards have been made covering contracts for Portland cement for the requirements of the Reclamation Service from July 1, 1916, to June 30, 1917:

Colorado Portland Cement Co., Belle Fourche, Grand Valley, North Platte, Shoshone, Strawberry Valley, and Uncompahgre projects, 26,000 bbls, \$1.40; at Portland, Colo.

Iola Portland Cement Co., Carlsbad project, 4,000 bbls, \$1.40; at Iola, Kans.

Pacific Portland Cement Co., Okahogan, Orland, Umatilla, Yakima-Storage, and Yakima-Sunnyside projects, 22,000 bbls, \$1.80; at Tolenas, Cal.

Riverside Portland Cement Co., Salt River and Yuma projects, 5,500 bbls, \$1.65; at Crestmore, Cal.

Southwestern Portland Cement Co., Rio Grande project, 3,000 bbls, \$1.85; at El Paso, Tex.

Union Portland Cement Co., Boise project, 7,000 bbls, \$1.85; at Devils Slide, Utah.

Three Forks Portland Cement Co., Blackfoot, Flathead, Fort Peck, Huntley, Milk River, St. Mary Storage, and Sun River projects, 18,000 bbls, \$1.90; at Trident, Mont.

HOSPITALS

SAN RAFAEL, MARIN CO., CAL.—Hospital cottage, 1 story, frame. Cost not stated. Architect, none. Owners Marin County. Bids will be opened on August 8th at 2 p. m. for the construction of a tuberculosis cottage at the County Hospital near San Rafael. Plans can be secured from the County Clerk.

HOTELS

SACRAMENTO, CAL.—Hotel alterations, 4 story and base. Class A construction. Cost not stated. Architect E. C. Hemmings, 1203 J street, Sacramento. Owners, Hotel Land Co. Bids are now being taken for marble work, elevator doors, ornamental iron work, roofing, cabinet work, decorating glass and glazing and ventilating in connection with the extensive alterations now under way at the Hotel Land

IRRIGATION PROJECTS

RIVERSIDE, RIVERSIDE CO., CAL.—Irrigation system. Cost not stated. Engineer, W. E. Pedley, Riverside. Owners, Riverside County. Bids will be received by the Board of Supervisors up to 11 o'clock a. m. of July 26, 1916, for drainage work for reclamation of 8,000 acres of land subject to overflow from San Jacinto River in

flood season, and designated as Drainage Improvement District No. 2. Plans call for widening and deepening present channel below district in Perris Valley, and making artificial channels, using the dirt excavated as levees. The aggregate length of all channels is about 25 miles, the total excavation 150,000 cubic yards, of which 359,727 cubic yards could be done by machine of the Austin type or by a dragline or clamshell, the balance by scrapers and teams. Estimated cost of machine work is 10c per cubic yard, of scraper bridges, etc., \$4,000. Certified check or bond for 10% required. A. B. Pilch is Clerk of the Board. Reuben G. Brown, 530 California Bldg., L. A., has been named superintendent on the job.

POWER IMPROVEMENTS

HEALDSBURG, SONOMA CO., CAL.—Water pipe. Cost not stated. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. Specifications submitted by Water Superintendent Nelson to the City Trustees were approved at the last meeting of the Board and bids were ordered received for furnishing the same. The pipe will be used from the reservoir to the well. The quantity of pipe is estimated at 2,300 feet of the 4-inch size. Plans and specifications may be had from the City Clerk.

LOS ANGELES, CAL.—Water pipe. Cost as follows. Engineers, Los Angeles Water Commission, L. A. Owners Los Angeles County. The following bids were received for furnishing steel pipe for Los Angeles Water Works No. 3 in San Fernando Valley: San Fernando main line—Llewellyn Iron Works, Main and Redondo streets, L. A., \$154,643; Baker Iron Works, \$156,430; and Lacy Mfg. Co., \$157,655.

Calabasas Main—Western Pipe and Steel Co., 1759 North Broadway, L. A., \$143,428; Lacy Mfg. Co., \$143,678; and Baker Iron Works, \$144,421.

Ventura Main—Baker Iron Works 912 North Broadway, L. A., \$120,756; Lacy Mfg. Co., \$123,960; and Llewellyn Iron Works, \$125,120.

Chatsworth High Line—Lacy Mfg. Co., Washington Bldg., L. A., \$126,150; Llewellyn Iron Works, \$128,160; and Baker Iron Works, \$129,325.

Calabasas Subsidiary Main—L. A. Manufacturing Co., 2500 Leonard, L. A., \$16,990; Western Pipe and Steel Co., \$17,250; Baker Iron Works, \$17,558; and Lacy Mfg. Co., \$17,475.

Macley Main—L. A. Manufacturing Co., \$62,738; Western Pipe and Steel Co., \$63,148; Lacy Mfg. Co., \$64,260; and Baker Iron Works, \$65,206.

Chatsworth Main—Baker Iron Works, \$90,750; Llewellyn Iron Works, \$95,325; and Western Pipe and Steel Co., \$95,760.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN FRANCISCO—Rails, etc. Cost not stated. Engineer, City Engineer City Hall, S. F. Owners, City and County of San Francisco. No bids were received by the San Francisco Board of Public Works for furnishing steel rails, etc., for the Municipal Railway through the Twin Peaks Tunnel under contract No. 86. It is probable that new bids will be ordered called

Contracts Awarded.

VANCOUVER, B. C.—Passenger station, 2 and 4 story. Class A construction, \$1,000,000. Architect's name not given. Owners, Canadian Northern R. R. Co. Contractors, Northern Construction Co., Vancouver. Carter-Halls-Aldinger Co., Winnipeg, is associated with the Northern Construction Co.

RESIDENCES

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, Miss M. O'Neal, 1950 Washington street, S. F. Location, west 28th avenue south of Clement. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$10,000. Architect, Henry H. Guttersen, 278 Post St., S. F. Owners, St. Francis Home Building Co. Location, St. Francis Woods. Will contain ten rooms, three baths, sleeping porch and separate garage. Plans nearly ready for figures.

SAN FRANCISCO—Residence alterations, frame, \$2,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner, Mrs. Haskins. Location, 1610 Hayes street. Work will consist of new interior and exterior work. Plans being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architects, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, E. C. Douglas. Location, Santa Barbara west of Spruce. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$9,500. Architects, Banning & Stewart, 5215 Broadway, Oakland. Owners, Banning & Stewart. Location, north Caperton avenue east of Highland. Will contain ten rooms, three baths and sleeping porches. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architects, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, Frank Spring. Location, Thousand Oaks. Will contain eight rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, A. R. Dexter, 820 Athens avenue, Oakland. Location, northwest corner of Adeline and Shattuck. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architects, Milwan Bros., Albany Bldg., Oakland. Owner, C. De F. Case. Location, Elair avenue. Will contain eight rooms, bath and sleeping porch. Plans complete and figures being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$7,500. Architect, Henry H. Guttersen, 278 Post street, S. F. Owner, Mrs. P. L. Palache. Location, Claremont Tract. Will contain eight rooms, two baths and sleeping porch. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$2,500. Architect,

none. Owner, Charles D. Hart, 615 22nd street, Oakland. Location, northwest corner of Jean and Monte Vista. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architects, Banning & Stewart, 5215 Broadway, Oakland. Owners, Banning & Stewart. Location, east Clarendin Crescent and Ashmont. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Conrad Roth, 2117 Pacific avenue, Alameda. Location, 2123 Clement avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, E. M. Marquise, 2827 Russell street, Berkeley. Location, east 41st avenue south of Santa Rita. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Edward Larmer, 470 Boulevard Way, Oakland. Location, south Derby east of Ellsworth. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$7,000. Architect, none. Owner, E. E. Spitzer, 815 Oxford street, Berkeley. Location, east Mendocino south of Indian Rock. Will contain nine rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, I. A. Kellogg, 5404 Champion street, Oakland. Location, east Laguna north of Montana. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$1,800. Architect, none. Owner, R. Michel, 1092 66th street, Oakland. Location, east Preda north of 66th. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$8,000. Architect, C. W. McCall, Central Bank Bldg., Oakland. Owner, M. Cianciarulo. Location, Sheridan avenue. Will contain ten rooms, three baths and sleeping porch. Separate garage. Plans complete and figures being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architects, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, Frank Spring. Location, Thousand Oaks. Plans complete and work to be done by Day Labor.

BEVERLYHILLS, MARIN CO., CAL.—Residence, 1 story and base, frame, \$5,000. Architect, W. G. Hind, 46 Kearny street, S. F. Owner, Dr. Clyde S. Payne. Will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and work being done by Day Labor.

FRENO, WIRE-RO CO., CAL.—Residence alterations, frame, \$2,000. Architect, none. Owner, W. H. Minard, 319 Abby street, Fresno. Location, Almont Addition. Plans complete and work to be done by Day Labor.

MAYFIELD, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, D. C. Lively. Location, Lincoln avenue. Will contain six rooms, bath and sleeping porches. Plans complete and contract to be awarded shortly.

PLACERVILLE, EL DORADO CO., CAL.—Residence, 2 story and base, frame, \$8,000. Architect, E. C. Hemmings, 1203 J street, Sacramento. Owner, Max Mierson, Placerville. Will contain ten rooms, two baths and sleeping porches. Plans being prepared.

LOS ANGELES, CAL.—Residence, 2 story and base, hollow tile, \$50,000. Architect, Edwin Bergstrom, Citizens' National Bank Bldg., L. A. Owner, M. H. Whittier. Location, Beverly Hills. Will contain 18 rooms, 6 bath rooms and a separate garage. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,000. Architect none. Owner, W. E. Boyd, 4175 Park Boulevard, Oakland. Location, east Santa Ray south of Viona. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$17,000. Architect, none. Owner, Alfred D. Darling. Location east 23rd avenue north of East 30th street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

Contracts Awarded.

MONTECITO, SANTA BARBARA CO., CAL.—Residence, 1 and 2 story, frame \$31,500. Architect, Reginald D. Johnston, Staats Bldg., Pasadena. Owner P. P. Knott. Contractor, W. A. Taylor, 966 Elizabeth street, Pasadena. Contract price, \$34,500. All work except exterior plastering, painting and heating.

SCHOOLS

SAN FRANCISCO — School urinal stalls, \$511.20. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Haines-Jones & Cadbury Co. presented the low bid for furnishing 16 urinal stalls for the Washington Irving School and will probably be awarded the contract.

BERKELEY, ALAMEDA CO., CAL.—College building completion, 2, 2 and 3 story. Class A construction. Cost not given. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. A complete list of the bids received for completing Hilgard Hall and the Chemistry building will be found under the heading of Oakland and Alameda County in this issue. Awards have not been made.

CONCORD, CONTRA COSTA CO., CAL.—School heating system. Cost not stated. Engineers, Leiland & Haley, Holbrook Bldg., S. F. Owners, Town of Concord. Plans are being prepared for a new heating system to be installed in the Concord Grammar School.

OAKDALE, STANISLAUS CO., CAL.—School, 1 story, frame. Cost not stated. Architects, Stone & Wright, San Joa-

quin Valley Bank Bldg., Stockton. Owners, River Road Grammar School District. Will contain one class room. Plans complete and bids to be opened on July 28th. Plans on file with the architects.

VISALIA, TULARE CO., CAL.—School, 1 story, brick. Cost not stated. Architect, Merve L. Weaver, Visalia. Owners, City of Visalia. Designed for a manual training school. Plans complete and figures to be opened on July 24th. Plans at office of architect.

CAMP VERDE, ARIZ.—School, 2, 1 story, frame and stone. Cost not stated. Architect, U. S. Department of Indian Affairs, Washington, D. C. Owners, U. S. Government. Bids will be opened on July 28th for constructing an Indian school and quarters. Plans on file at the U. S. Indian Warehouse, 605 Howard street, S. F.

MONROVIA, LOS ANGELES CO., CAL.—School, 1 story and base, hollow tile, \$20,000. Architect, Frank O. Eager, 101 East Greyston avenue, L. A. Owners, City of Monrovia. Will contain four class rooms, assembly hall and departments for manual training and domestic science. Plans being prepared.

SEATTLE, WASH.—College building, 4 story and base. Class A construction, \$150,000. Architects, Charles Behh and Carl F. Gould, Denny Bldg., Seattle. Owners, Regents of the University of Washington, Henry Bldg., Seattle. Bids will be received on August 11th for the new building to be known as the Commerce Hall. Bids are being taken both as a whole and segregated.

Contracts Awarded

MORAGA, CONTRA COSTA CO., CAL.—School, 1 story, frame, \$9,185. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, Willow Spring School District. Contractors, Keller & Crane, 74 Miramar avenue, S. F. Contract price, \$9,185.

OROVILLE, BUTTE CO., CAL.—School heating system, \$3,470. Architects name not given. Owners, City of Oroville. Contractors, Ellerington & Myers, Oroville. Contract price, \$3,470.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story, brick, \$20,000. Architect, J. B. Oghorn, 464 13th street Richmond. Owners, City of Richmond. Contracts for the one-story frame and plaster addition to the Tenth Street School building have been awarded as follows: General construction to Carl Overaa, 1808 Roosevelt avenue, Richmond, for \$16,377. Heating to J. C. Hurley, 509 6th street, S. F., for \$2,893. Mr. Overaa has awarded the following subcontractors: W. L. Lane, lathing work; Zeb Knott, painting; Charles Brown, plastering, and Richard Williams, brick work.

SAN FRANCISCO—Schools, 2 story brick. Cost as follows. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. The following contracts have been awarded by the San Francisco Board of Public Works: C. L. Wold Co., 75 Sutter street, general construction of the Daniel Webster School at \$84,579, and for the completion of the general construction of the Redding School at \$45,300. The Globe Electric Works, 1959 Mission Mission street, were awarded the contract for electric wiring at the Redding School for \$4,609.

SEWERS, STREET WORK & WATER SYSTEMS

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on July 25th for street improvements authorized under the following resolution: That Thompson street, from the north line of 47th avenue to the south-east line of 45th avenue, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement sidewalks 6 feet wide.

OAKLAND, CAL.—Culverts and sewer. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on July 25th for street improvements authorized under the following resolution: That a concrete culvert be constructed in portions of Foothill Boulevard, Church street and Beck street, a pipe conduit having an internal diameter of 24 inches; relay a portion of existing pipe conduit; three brick storm water inlets and pipe conduits having internal diameters of 10 inches, and seven brick manholes with cast iron tops.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on July 25th for street improvements authorized under the following resolution: That the roadway of Keith avenue from the east line of Hopkins Terrace No. 4 east and north to north boundary line of the city of Berkeley, be graded. Combination concrete curbs and gutters be constructed along the curb lines thereof, and that the remainder of the roadway be macadamized and surfaced with oil and rock screenings.

SAN LEANDRO, ALAMEDA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, San Leandro. Owners, City of San Leandro. Bids will be opened on July 24th at 8 p. m. for the furnishing of the labor and materials and doing the work for the construction of a storm water sewer in East 14th street, from Juana avenue to Maud avenue.

SAN LEANDRO, ALAMEDA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, San Leandro. Owners, City of San Leandro. Bids will be opened on August 7th at 8 p. m. for construction authorized under the following resolution: That Williams street, from the west line of Martinez street to the west boundary line of the city of San Leandro, be sewerd along its center line with a 6-inch (internal diameter) sewer pipe; also 1 brick manhole, 1 brick flush tank, having a cast iron top and equipped with a No. 2 "Walker siphon;" 1 lamphole, having a top of cast iron and brick; Y branches, each having 4-inch openings and house drains 4-inch (internal diameter) sewer pipe be constructed.

RICHMOND, CONTRA COSTA CO., CAL.—Sewer construction, \$125,000. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans for the proposed storm and sanitary sewers to be laid in 10th street have been completed by City Engineer Chapman and will be presented to the City Council at their meeting next week. The sewer will drain that property north and east of 10th street and

will empty into the inner harbor. The sewer will be constructed of brick, pipe and concrete.

SAN RAFAEL, MARIN CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, San Rafael. Owners, Marin County. County Surveyor Richardson reports that he is preparing plans and estimates for regrading the Bolinas road from the top of the ridge down to Bolinas. At the present time the road is narrow and crooked, and has a maximum grade of 15%. Richardson is also preparing plans for regrading the road from Alto Station to Belvedere. The plans will be presented to the Supervisors shortly for approval, when bids will be called.

BURLINGAME, SAN MATEO CO., CAL.—Culverts, etc. Cost not stated. Engineer, Town Engineer, Burlingame. Owners, Town of Burlingame. At the last meeting of the City Trustees, plans and specifications were adopted for the improvement of Elm avenue where a culvert and gutter are required and are to be built jointly by this city, Hillsborough and the county. The same action was taken on the plans and specifications for the construction of a storm sewer along Burlingame Creek. Bids will be called for within the next few days on this work.

FRESNO, FRESNO CO., CAL.—Furnishing cement. Cost as follows. Engineer, County Surveyor, Fresno. Owners, Fresno County. Four bids were submitted to the County Supervisors for furnishing 2,205 barrels of cement for county use. Bids were received from the following firms: The Standard Portland Cement Co., Henry Cowell Lime and Cement Co., Pacific Portland Cement Co., and the Santa Cruz Portland Cement Co. All of the bids were the same, or amounted to the same. All bidders said they would furnish the county 2,205 barrels of cement for \$2.83 a barrel. Three bidders said they would furnish the cement for \$2.53 a barrel in burlap bags and one bidder said he would furnish the cement for \$2.53 a barrel in paper bags. A refund of 75¢ a bag is paid for the return of burlap bags and it takes four bags to make a barrel. The matter was put over to July 11th for investigation.

MERCED, MERCED CO., CAL.—Lighting system. Cost not stated. Engineer, Charles T. Phillips, Pacific Bldg., S. F. Owners, Town of Merced. The City Trustees have commissioned Charles T. Phillips, an electrical and illuminating engineer to outline plans for the formation of the proposed lighting district. The purpose of forming the district is to obtain a system of electroliers. The design, number, size and location of the electroliers will be left up to Phillips.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Bids will be opened on July 25th for street improvements authorized under the following resolutions: That High street, between Storey and Spring street, be improved by the construction of two reinforced concrete retaining walls. Wall No. 1—96 cubic yards reinforced concrete; wall No. 2—264.5 cubic yards reinforced concrete. All steel for reinforcement shall be square twisted steel bars of sizes and dimensions shown on plans.

BAKERSFIELD, KERN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. In response to a petition presented to the City Council, the City Engineer has been instructed to prepare plans and specifications for the paving of 20th street, from Cedar to G street with a concrete base and asphaltic surface. Bids will be called for on the completion of the plans.

FRESNO, FRESNO CO., CAL.—Lighting system. Cost not stated. Engineer, County Surveyor, Fresno. Owners, Fresno County. Bids will be opened on August 8th at 2 p. m. for the installation of an electric lighting system in the Court House Park.

COLUSA, COLUSA CO., CAL.—Road grading. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. Bids received by the County Supervisors at their last meeting for grading the county road in Road District No. 4 were rejected and the County Surveyor was instructed to do the work according to plans and specifications.

SACRAMENTO, SACRAMENTO CO., CAL.—Road paving. Cost not stated. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Bids will be received up to August 7th for supplying and placing an asphaltic covering on the concrete roads in the 4th and 5th Supervisorial Districts. Said covering to be 1/2 inch in thickness. All of the said work to be done in accordance with the specifications as furnished by the contractor with his bid.

STOCKTON, SAN JOAQUIN CO., CAL.—Street improvements. Cost as follows. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications have been adopted by the City Council for curbing and paving the central and south side roads of Bienvenido Park and bids will be called for shortly. The work is estimated to cost \$8,164.64, according to the City Engineer's estimate. Plans were also adopted and bids will be called for shortly for the construction of storm water sewers for the southern section of the city. The sewers are to be installed on Edison, Harrison, Lincoln, Jefferson, Jackson, South streets and the French Camp Turnpike. City Engineer Compton's estimate for the work is \$5,749.38.

SACRAMENTO, CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Bids will be opened on August 7th for the construction of a concrete roadway on the "Prison Road," between the south property line of Sutter street in the town of Folsom, California, and Robber's Ravine, a distance of approximately 5,900 feet.

COLUSA, COLUSA CO., CAL.—Paving. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. Bids will be opened on August 3rd for surfacing the Colusa draw bridge with Mastic paving.

SACRAMENTO, CAL.—Highway construction. Cost as follows. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids were opened by the State Highway Commission Monday for six miles of Portland cement highway in Marin County. The Marin Rock Co.

of San Anselmo submitted the lowest bid at \$25,610 and were awarded the contract. One mile of Portland cement highway, including a reinforced concrete bridge 100 feet long in Glenn County, Manuel Jacento, 2108 14th street, Sacramento, submitted the lowest bid and was awarded the contract at \$8,645.70. The bids for the reinforced concrete bridge with one span 36 feet long in Ventura County were taken under advisement. Hunter Bros., Los Angeles, presented the lowest bid at \$1,648.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway improvements. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. The County Supervisors at their last meeting approved the plans prepared by Surveyor Neuman for macadamizing the shoulders on a portion of the Redwood-San Gregorio road from the Menlo Country Club to Neuman Bros.' store at Woodside, and bids on the work were ordered received up to August 7th. The same action was taken on the plans and specifications for oiling and screening the San Gregorio Creek road for a distance of 7.43 miles. Bids on this work were also ordered received up to August 7th. Plans and full information may be had from the County Clerk at Redwood City.

SALINAS, MONTEREY CO., CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, Salinas. Owners, City of Salinas. Bids will be opened on August 7th at 8 p. m. for grading the roadway of Front street, from Alisal street to Summer street, and constructing thereon a hydraulic cement concrete base with a two-course asphalt and screening surface, with concrete curbs along both sides of the roadway. Also grading the roadway of Gavilan street, from Monterey street to California street, and constructing thereon a hydraulic cement concrete base with a two-course asphalt and screening surface, with concrete curbs along both sides of the roadway.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on July 27th for street improvements authorized under the following resolutions: That Excelsior avenue, from Athol avenue to Beacon street, be graded curbed with concrete, guttered with concrete gutters 3 feet wide, paved oil macadam, and cement sidewalks.

HEALDSBURG, SONOMA CO., CAL.—Septic tank. Cost as follows. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. The single bid received by the City Trustees for the construction of the proposed three septic tanks was rejected. The bid was that of Ward B. Esterly, 244 Alvarado Road, Berkeley, at \$2,250, as the engineer's estimate was \$1,152.80. It is probable that the Trustees will now do the work under the Day Labor system.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on July 27th at 11 a. m. for street improvements authorized under the following resolutions: That J street from 21st street to east boundary line of Golf Crest, produced southerly, be improved by constructing concrete curb, concrete gutter, 6-inch, vitrified

6-inch sewer pipe drains, concrete manholes complete, cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached, constructing 3-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains to be connected with 6-inch vitrified, ironstone Y branches on 8-inch sewer pipe; grading the space between the property line and curb, and constructing thereon concrete sidewalk 6 feet in width and 3 1/2 inches thick; reconstructing 4 concrete manholes, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1 1/2 inches thick.

That 26th street, from B street to Y street, be improved by constructing concrete sidewalk 6 feet in width and 3 1/2 inches thick, and grading the space between the sidewalk and curb.

That 27th street, from B street to Y street, be improved by constructing concrete sidewalk 6 feet wide and 3 1/2 inches thick, and grading the space between the sidewalk and curb.

That the alley between M and N streets, from 4th to 5th street, be improved by reconstructing 1 concrete manhole, by placing same to official grade, reconstructing one concrete catchbasin by placing same to official grade and supplying new cast iron curb and cover; grading the roadway and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1 1/2 inches thick.

That 28th street, from B to Y, be improved by constructing concrete sidewalk 6 feet in width and 3 1/2 inches thick, and grading the space between the sidewalk and curb.

That Lower Stockton Road be improved from 7th avenue in Oak Grove to Waring Court in Capitol Heights, and that Whiskey Hill Road be improved from Lower Stockton Road to a point 750 feet westerly from the center line of Lower Stockton Road, by constructing 8 and 10-inch, vitrified ironstone pipe sewer, constructing 4 concrete manholes complete and one 8-inch, vitrified, ironstone inlet. Further information may be had from City Clerk M. J. Desmond.

SAWTELLE, LOS ANGELES CO., CAL.—Paving, \$60,810. Engineer, City Engineer, Sawtelle. Owners, City of Sawtelle. The Los Angeles Paving Co. submitted the lowest figure for paving Santa Monica Boulevard at \$60,810 and to culvert work at \$1,200. They will probably be awarded the contract.

Contracts Awarded.

LOS ANGELES, CAL.—Street improvement, \$79,235.70. Engineer, City Engineer, L. A. Owners, City of Los Angeles. Contractor, George H. Osakabi, 6 T Johnson Bldg., L. A. Contract price, \$79,235.70.

LOS ANGELES, CAL.—Highway improvement, \$15,900. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Contractors, Rogers Bros., L. A. Contract price, \$15,900.

LOS ANGELES, CAL.—Highway improvement, \$86,375.11. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Contractors, P. A. and C. H. Howard, 2128 Sacramento street, L. A. Contract price, \$86,375.11.

MANHATTAN BEACH, LOS ANGELES CO., CAL.—Paving, \$30,950. Engineer, Town Engineer, Manhattan Beach. Owners, Town of Manhattan Beach. Contractors, The California-Arizona Construction Co., 1700 East Washington street, L. A. Contract price, \$30,950.

TUCSON, ARIZ.—Sanitary and outfall sewers. Cost as follows. Engineer, City Engineer, Tucson. Owners, City of Tucson. Contractor, T. J. Shea, 1800 South Oxford street, L. A. Contract price, \$115,362.50 for vitrified pipe and \$112,381.79 for concrete pipe is used.

MODESTO, STANISLAUS CO., CAL.—Paving. Cost as follows. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Contractor, Edward M. Chadbourn, 503 Market street, S. F. Contract price, 1.8c per square foot and 1.6c per square foot.

RICHMOND, CONTRA COSTA CO., CAL.—Sewer construction, \$20,000. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractors, F. R. Ritchie & Co., Richmond Bldg., S. F. Contract price, \$20,000.

SAN JOSE, SANTA CLARA CO., CAL.—Street improvement, \$2,880. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Contractors, A. J. Raichs Improvement Co., Crocker Bldg., S. F. Contract price, \$2,880.

SALINAS, MONTEREY CO., CAL.—Road improvement, \$2,510. Engineer, County Surveyor, Salinas. Owners, Monterey County. Contractors, Kunze & Haggard, Salinas. Contract price, \$2,510.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts for street improvements have been awarded under the following resolutions: That 50th avenue, from the southwest line of East 12th street to a straight line drawn from the intersection of the southeast line of 50th avenue with the southwest line of East 10th to a point on the northwest line of 50th avenue distant thereon 50,114 feet northeast from the northeast line of East 10th street, be graded, curbed with redwood concrete gutters 3 feet wide and paved with oil macadam; also corrugated iron and concrete culverts, each having two branches. Awarded to The Ransome-Crummey Co., First National Bank Bldg., Oakland.

That a sewer having an internal diameter of 8 inches be constructed along the center line and its production of 45th avenue, from the center line of Clement street to a point 360 feet northeast therefrom, measured parallel to the northwest line of said 45th avenue; also a lamphole with a brick and cast iron top and Y branches, having 5-inch openings, be constructed. Awarded to M. P. Cambar, 1044 91st avenue, Oakland.

That portions of 33rd avenue be graded, curbed with redwood, concrete gutters 3 feet wide and paved with oil macadam; also vitrified pipe conduit be constructed, brick storm water inlets with cast iron tops, a brick manhole with cast iron top. Awarded to The Ransome-Crummey Co., First National Bank Bldg., Oakland.

EUREKA, HUMBOLDT CO., CAL.—Highway grading, \$2,679. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Contractor, James Hartley, Eureka. Contract price, \$2,679.

FRESNO, FRESNO CO., CAL.—Furnishing cement. Cost as follows. Engineer, County Surveyor, Fresno. Owners, Fresno County. Contractors, Henry Cowell Lime and Cement Co., 2 Market street, S. F., 2,205 barrels at \$2.53 in paper bags and \$2.83 in burlap bags.

LOMPOC, SANTA BARBARA CO., CAL.—Sewer system, \$36,602.92. Engineer, Town Engineer, Lompoc. Contractors, Chambers & Heafey, Bacon Bldg., Oakland. Contract price, \$36,602.92.

STORES AND OFFICES

SAN FRANCISCO — Stores, 1 story and base, brick, \$9,000. Architect, T. Patterson Ross, 310 California street. Owners, J. B. Treadwell Co. Location east Valencia south of 14th, covering an area of 70 by 100 feet. Will contain three stores and a large shop. Plans complete and segregated figures being taken.

SAN FRANCISCO—Stores and lofts 3 story and base. Class C construction, \$17,000. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner, E. A. Howard. Location, west Mission south of Main. Will contain stores on the first floor and light lofts above. Plans complete and figures being taken.

FRESNO, FRESNO CO., CAL.—Stores 1 story and base, brick and steel, \$7,000. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, F. F. Mitchell, S. F. Location, Tulare and M streets, covering an area of 42 by 63 feet. Plans being prepared.

FRESNO, FRESNO CO., CAL.—Store alterations and addition, brick, \$2,000. Architect, none. Owner, D. Yezdan 1115 K street, Fresno. Work will consist of interior and exterior alterations. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Market buildings, 2, 6 story and base, reinforced concrete. Cost not stated. Architect John Parkinson, Security Bldg., L. A. Owners, Los Angeles Union Terminal Co. Location, Seventh and Central avenue, covering an area of 80 by 1250 feet and 40 by 1500 feet. Plans complete and separate bids being taken for general construction, plumbing, electric work, sprinkler systems and heating.

Contracts Awarded.

SEATTLE, WASH.—Market, 1 story and base, concrete and tile, \$29,781. Architects, Stephen & Stephen, New York Block, Seattle. Owners, Pine Street Investment Co. Contractors, Finne & Gjarde, Northern Bank Bldg., Seattle. Contract price, \$29,781.

THEATRES

SAN FRANCISCO—Motion picture theatre and stores, 1 story, base and mezzanine floor, reinforced concrete \$54,000. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner, Mrs. Mary E. Seidel. Location, southwest 10th avenue and Clement, covering an area of 50 by 150 feet. Will contain ten stores and a theatre seating 1500 people. Plans being prepared.

SACRAMENTO, CAL.—Theatre alterations. Class A construction, \$60,000. Architect, E. C. Hemmings, 1205 J street, Sacramento. Owners, Hellhorn Estate. Location J street between 5th and 6th streets. Work will

consist of complete interior alteration, exterior work and mechanical equipment. Plans being prepared.

SEALED PROPOSALS

PROPOSALS FOR BUILDING.

BUILDING—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals marked on the "outside of the sealed envelope" "Proposals for School and Quarters Building, Camp Verde, Ariz.," and addressed to the commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until 2 o'clock p. m. of July 28, 1916, for furnishing materials and labor for the construction of a combination store day school and quarters building in strict accordance with the plans, specifications and instructions to bidders, which may be examined at the United States Indian warehouse at San Francisco, Cal., and at the office of the superintendent of the Camp Verde Indian School, Camp Verde, Ariz. For further information apply to the superintendent of the Camp Verde School, CATO SELLS, commissioner.

PROPOSALS FOR RADIO MAST.

RADIO MAST—Sealed proposals, endorsed "Proposals for Radio Mast," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. July 22, 1916, and then there publicly opened for one wooden radio mast at the naval radio station, North Head, Wash. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard, Bremerton, Wash. F. R. HARRIS, chief of bureau.

PROPOSALS FOR DREDGE.

DREDGE—Sealed proposals, endorsed "Proposals for Dredge," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. August 12, 1916, and then there publicly opened for a gravity swing, 1-ton, bucket dredge for the navy yard, Mare Island, Cal. Plans and specification can be obtained on application to the bureau or to the commandant of the navy yard named. F. R. HARRIS, chief of bureau.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals, endorsed "Proposals for Superintendent's Residence and Hatchery Building, Springville, Utah," and inclosed in an envelope addressed to commissioner of fisheries, Department of Commerce, Washington, D. C., will be received at this office until 2 o'clock p. m. July 28, 1916, and then opened, for the construction of superintendent's residence and hatchery building at the fishery station, Springville, Utah. For blank proposals, specifications, etc., address commissioner of fisheries, Washington, D. C.

SALE OF MATERIALS.

PANAMA CIRCULAR 1057 — Proposals for the Purchase of Locomotives Offered for Sale by the Panama Canal and Which Are No Longer Needed.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. August 23, 1916, at which time they will be opened in public, for purchasing the above mentioned articles. Blanks and general information relating to this circular (No. 1057) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; Earl L. BROWN, major, corps of engineers, U. S. army general purchasing officer.

PROPOSALS FOR ELEVATOR.

ELEVATOR—Sealed proposals, endorsed "Proposals for Elevator," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. July 29, 1916, and then there publicly opened, for one electric freight elevator at the navy yard, Mare Island, Cal. Plan and specification can be ob-

tained on application to the bureau or to the commandant of the navy yard named, F. R. HARRIS, chief of bureau.

NOTICE TO ELEVATOR DEALERS.

SEALED PROPOSALS will be received at the Bureau of Yards and Docks, Navy Department, Washington D. C., until **July 20, 1916**, for one electric freight elevator at the navy yard, Mare Island, Cal. Plans and specifications may be obtained on application to the Bureau of Yards and Docks or to the commandant of the navy yard named.

PROPOSALS FOR BUILDING.

OFFICE of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office until **10 o'clock a. m., on Monday, August 7th, 1916** (the day when said bids will be opened), for the construction of an Annex to the Hall of Records, situated at Fifth and Broadway Streets, in the city of Oakland, County of Alameda, State of California.

Bids will be received on each of the following departments of work:

Department No. 1.—Excavating, brick work, stone work, concrete work, carpenter work, mill work, glass, stairs, steel fire doors, ornamental and miscellaneous iron and steel work, window guards, plastering, lathing, cementing, damp-proofing, foundation, roofing, sheet metal, skylights, hardware, painting, tinting.

Department No. 2.—Plumbing, drains and gas fitting.

Department No. 3.—Electrical work.

Department No. 4.—Marble work, tiling.

Department No. 5.—Heating.

Department No. 6.—Elevator work.

Department No. 7.—Well boring and casing.

Complete plans and specifications for each of these separate departments of work are on file in the Hall of Records Building, Oakland, where copies may be obtained, by depositing with the County Clerk the sum of Ten Dollars (\$10.00). Contractors will be restricted as to the length of time they may retain these plans and specifications to twelve (12) days on department No. 1 and to five (5) days on all other departments.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limits.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board of Supervisors of Alameda County, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the contract.

Dated June 20, 1916. (Seal)
GEO. E. GROSS,
Clerk of Board of Supervisors of the County of Alameda.

STATE PURCHASING DEPARTMENT NOW HANDLES ENGINEERING CONTRACTS.

State Purchasing Agent W. G. McMullin has taken over the purchasing department of the state engineering department, this being the last outstanding unit that he was instructed to absorb. W. S. Ormsby, who has been at the head of the engineering purchasing department for nearly two years, is settling up unfinished business. The department purchased about \$2,000,000 worth of supplies for road and other work annually.

"The department has grown by leaps

and bounds," said McMullin, "and it is necessary to keep a large office force continuously to handle the business. The legislature's appropriation of \$50,000 will prove inadequate to run the purchasing department for the biennial period, and it is certain that an emergency appropriation will be levied to carry the department over to the next session of the legislature."

FRESNO PREPARES FOR BOND ELECTION.

FRESNO, Cal.—It is probable that Fresno county will not vote on the good roads bond issue on August 29, the date originally suggested, as it is thought that it will be inadvisable to bring the proposition up on that date. It was tentatively arranged to hold the election the same day as the primaries on grounds of economy. The bond issue will be for \$3,500,000.

SIGN PAINTER IN HAD; WORK TOO REALISTIC.

DAILEY (Mich.)—The remarkable genius of Joshua Tripe, the village sign painter, may result in a suit for damages being brought against the village. Tripe a few days ago completed a mail course in sign painting, and to show his skill painted a board fence on the side of a barn standing along the main street. It looked so natural that several farmers have skinned their knuckles trying to hitch their teams to it, and event birds have attempted to light on it, slipping down the sides of the barn to the grounds and flying away in disgust.

The climax came, however, when Tripe's bulldog chased a stranger down the street, who, in trying to get away, attempted to jump the supposed fence and nearly knocked his brains out.—Exchange.

LUMBER PRODUCTION.

CHICAGO—The monthly compilation of lumber production of the United States, made by the National Lumber Manufacturers' Association for May, 1916, completed recently shows an increase of production over shipments for both hard and soft woods. The total cut of both varieties by 631 mills was 1,452,700,000 feet. Shipments were 1,351,200,000. This is a total excess of production of 7 5-10 per cent. Soft wood excess was 6 1-10 per cent and hardwood excess 27 2-10 per cent.

THOMAS A. EDISON URGES A NATIONAL DEFENSE LABORATORY

"I shall not make any argument for a research laboratory for national defense, but I will tell you just what it will do," writes Thomas A. Edison in the June number of *American Defense*, the monthly magazine published for the American Defense Society which is on the newsstands this week. "Some of my colleagues here will probably make an argument for it, but I will tell you what it will do. The object of the laboratory is to perfect all the different details, or one unit of all the war machinery, and do it quickly. My methods are probably different from anybody's else in laboratory work. When I want to make a thing quickly, I put a hundred men on it instead of a few men, to carry it along for weeks or months; I

put everybody in the shop on it. If the longest thing takes ten hours, then in fifteen hours I have got my machine, because I put a man on every part.

"Now, I think the best way in this laboratory is to perfect all the units of the war machinery, and carry out that idea of putting all the men you can on it at once, and get it done. * * *

"Fortunately, in the Navy you, of course, have expert and educated men, and if you give them the right thing you will never have any trouble with that thing, if properly instructed. As it is now, you get something and it breaks down, and you have got to take it into the repair yard and change it all over, and that is expensive. If you will make one unit here, it is inexpensive, and you will know what you have if you order a hundred."

BIG BRIDGE PROJECT PLANNED.

YUBA CITY (Sutter Co.)—Supervisor Frank Graves, who has interested himself in the movement inaugurated by the Live Oak Chamber of Commerce to build a new bridge over Feather River near Live Oak, is in receipt of an engineer's estimate which shows the probable cost of the structure to be \$126,650, or a cost to each county, if Yuba County agrees to join in the work, of \$60,325.

This is figuring on three 150-foot spans and four cylinder piers of reinforced concrete, with wood floor on the spans to be covered with asphalt. In addition there would be a 250-foot cross-trestle pile trestle on the Sutter side and a 5,460-foot trestle on the Yuba side.

RECLAIM BIG TRACT IN MADERA.

MADERA, Cal.—More than eighty thousand acres of land in Madera county will be reclaimed on the Chowchilla ranch within the near future. The owners of the ranch propose to form a reclamation district which will mean the expenditure of \$400,000 in building sloughs and levees along the San Joaquin river—to drain the over-land and protect it from the river.

1,018 SURVEYORS.

SACRAMENTO, Cal.—A pamphlet issued by State Surveyor General W. S. Kingsbury shows there are 1,018 licensed land surveyors in the State of California. The pamphlet gives the names of the surveyors, their addresses and the date of their licenses.

PLAN MILLION DOLLAR POWER PLANT IN SPOKANE.

SPOKANE, Wash.—H. S. Stoolfire, Secretary and Treasurer of the Spokane Valley Power Co., assures the development of the smelter power site on the Spokane, five miles down the river, at a cost of \$1,500,000, as a condition to the passage of an electric lighting, power and steam heating franchise filed with the city clerk. The engineering work has been completed. This company is composed of Spokane people. The project will develop over 25,000, 60 per cent load factor horse power. Officers are: J. D. Sherwood, President; D. M. Drumheller, Vice President; H. A. Stoolfire, Secretary and Treasurer.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

APARTMENT HOUSE—3 story and base, brick and steel, \$25,000. San Francisco. Architect, W. G. Hind, 46 Kearny street. S. F. Owner, Dr. Clyde S. Payne. Location, northwest Seventh avenue and Judah, covering an area of 50 by 100 feet. Will contain twenty suites of two and three rooms. Plans complete and segregated figures being taken.

APARTMENT HOUSES—2, 3 story and base, frame, \$11,950 each. San Francisco. Architect, none. Owner, F. W. Lurmann, 1370 Washington street, S. F. Location, south Sacramento west of Hyde, each covering and area of 27½ by 87½ feet. Will contain three apartments each. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$35,000. San Francisco. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Marcus Marcussen, Royal Insurance Bldg., S. F. Location, west Jones north of Washington, covering an area of 50 by 110 feet. Will contain 12 apartments of three and four rooms. Plans complete and owner taking segregated figures.

APARTMENT HOUSE—3 story and base, frame, \$25,000. San Francisco. Architect, August G. Headman, Call Bldg., S. F. Owners, Graham & Rhine. Location, south Washington east of Presidio. Will contain apartments of five, six and seven rooms. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Miss M. O'Neal, 1950 Washington street, S. P. Location, west 34th avenue south of Clement. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$10,000. San Francisco. Architect, Henry H. Gutterson, 278 Post street, S. F. Owners, St. Francis Home Building Co. Location, St. Francis Woods. Will contain ten rooms, three baths, sleeping porch and separate garage. Plans nearly ready for figures.

RESIDENCE ALTERATIONS—Frame \$2,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner, Mrs. Haskins. Location, 1640 Hayes street. Work will consist of new interior and exterior work. Plans being prepared.

SANITARY AND OUTFALL SEWERS—Cost as follows. Tucson, Ariz. Engineer, City Engineer, Tucson. Owners, City of Tucson. Contractor, T. J. Shea, 1800 Oxford street, L. A. Contract price, \$115,362.50 for vitrified pipe and \$112,381.75 if concrete pipe is used.

BUNK HOUSE AND SHED—2 story frame, \$2,000. Oakland, Cal. Architect, none. Owner, Joe Martin, 2241 Valley street, Oakland. Location, east Magnolia between 24th and 26th streets. Plans complete and work to be done by Day Labor.

RAILS, ETC.—Cost not stated. San Francisco. Engineer, City Engineer. City Hall, S. F. Owners, City and County of San Francisco. No bids were received by the San Francisco Board of Works for furnishing steel rails, etc., for the Municipal Railway through the Twin Peaks Tunnel under contract No. 86. It is probable that new bids will be ordered called.

Stores—1 story and base, brick, \$9,000. San Francisco. Architect, T. Patterson Ross, 310 California street. Owners, J. B. Treadwell Co. Location, east Valencia south of 14th, covering an area of 70 by 100 feet. Will contain three stores and a large shop. Plans complete and segregated figures being taken.

STORES AND LOFTS—3 story and San Francisco. Architect, Chester H. base. Class C construction, \$17,000. Miller, First Savings Bank Bldg., Oakland. Owner, E. A. Howard. Location west Mission south of Main. Will contain stores on the first floor and light lofts above. Plans complete and figures being taken.

MOTION PICTURE THEATRE AND STORES—1 story, base and mezzanine floor, reinforced concrete, \$54,000. San Francisco. Architect, Charles C. Frye 20 Montgomery street, S. F. Owner Mrs. Mary E. Seidel. Location, southwest 10th avenue and Clement, covering an area of 50 by 150 feet. Will contain ten stores and a theatre seating 1500 people. Plans being prepared.

SCHOOL URINAL STALLS—\$511.20 San Francisco. Architect, City Department of Architecture. City Hall, S. F. Owners, City and County of San Francisco. Haines-Jones & Cadbury Co. presented the low bid for furnishing 16 urinal stalls for the Washington Irving School and will probably be awarded the contract.

SCHOOLS—2 story, brick. Cost as follows. San Francisco. Architect, City Department of Architecture. City Hall S. F. Owners, City and County of San Francisco. The following contracts have been awarded by the San Francisco Board of Public Works: C. L. Wold Co., 75 Sutter street, general construction of the Daniel Webster School at \$64,579; and for the completion of the general construction of the Redding School at \$48,300. The Globe Electric Works, 1959 Mission street, were awarded the contract for electric wiring at the Redding School.

SCHOOL—2, 1 story, frame and stone. Cost not stated. Camp Verde Ariz. Architect, U. S. Department of Indian Affairs, Washington, D. C. Owners, United States Government. Bids will be opened on July 28th for constructing an Indian school and quarters. Plans on file at the U. S. Indian Warehouse, 608 Howard street, S. F.

Contracts Awarded.

BRIDGE REPAIRS—\$58,297. San Francisco. Engineers, Galloway &

Markwart, First National Bank Bldg., Bldg., S. F. Owners, Northern Electric R. R. Co., John P. Coghlan, Receiver. Contractors, Missouri Valley Bridge & Iron Co., Leavenworth, Kansas. Contract price, \$58,297.

GARAGE ALTERATIONS—2 story, reinforced concrete, \$17,000. San Francisco. Architect, Henry H. Gutterson 278 Post street, S. F. Owners, White Co. Contractors, Moore & Burlingame 110 Jessie street, S. F. Contract price, \$17,000.

City Bids Opened.

Bids were opened by the San Francisco Board of Public Works for bulletin boards for the City Hall and for electric work at the Daniel Webster School. Following is a list of the bids opened:

Bulletin Boards and Directories, City Hall.

	Prop. 1	Prop. 2	Prop. 3
P. J. Sullivan.....	\$3522	\$2406	\$—
Pacific Mfg. Co.....	4259	2994	—
Wm. Bateman.....	3934	2400	—
L. & E. Emanuel, Inc.	2940	1475	—
Fink & Schindler.....	2990	1775	—

Electric work, Daniel Webster School.

	Prop. 1	Prop. 2
F. E. Newberry Elec. Co....	\$5898	\$5529
Butte Eng. & Elec. Co....	6287	5825

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Am't.
20632	Wood	Zelinsky	2950
20625	Peyser	Zelinsky	2950
20644	Lankershim	Sullivan	7049
20655	Webster	Matthews	10329
20665	Burns	Klein	850
20677	Barrett	Hip	3000
20688	Stark	Stark	750
20689	Mariani	Mariani	400
20670	Emerson	Lohlah	1000
20671	Odon Cafe	Kale	400
20672	College of Phys	Elam	10000
20673	Lowenstein	Hansen	900
20674	Damico	Girretta	400
20675	Cassinelli	Devenconzi	3000
20676	Martin	Collins	750
20677	Kiler	Conserv Bldg	3500
20678	Same	Same	3500
20679	Same	Same	3500
20680	Friedrich	Devenconzi	6500
20681	Siccardi	Todhunter	7539
20682	Zehriskie	Helms	2000
20683	Marks	Nelson	1250
20684	Stanford Univ	Concrete	6700
20685	Same	Kiernan	6241
20686	Same	Stevenson	20000
20687	Same	Anderson	17900
20688	Same	Shiley	8000
20689	Same	Sartorius	8500
20690	Same	White	12600
20691	Same	Fuller	2400
20692	Same	Musto	3500
20693	Same	Brown	8000
20694	Same	Clinton	91000
20695	Same	Mangrum	21573
20696	Same	Pac Extg	29752
20697	Same	Forderer	8000
20698	Same	Vulcan	3170
20699	Same	Otis	11325
21000	Same	Mangrum	19924
21001	Alyne	Barre	11112
21002	Buckley	Sartorio	1125
21003	Otis	Hann	826
21004	Bruns	Coburn	23800
21005	P & E Co.	Pac Boiler	12200

2106	Booth	.....Hoyt	300
2107	Ede	.....Boos	1000
2108	Schienger	.....Ohlsen	500
2109	Ghiotto	.....Ghiotto	1900
2110	Moffat	.....Burns	500
2111	De Journal	.....Ruegg	400
2112	Mkt. St. Theatre	.....Federal	770
2113	Hansen	.....Wilkie	400
2114	Behre	.....Behre	400
2115	Hind	.....Jones	17000
2116	Marcessen	.....Marcessen	35000
2117	Nelson	.....Nelson	1900
2118	Nelson	.....Nelson	1900
2119	Clancy	.....Clancy	1000
2120	Lurmann	.....Lurmann	1000
2121	Same	.....Same	11950
2122	Eureka Benov So.	.....Snook	740
2123	Same	.....Watson	5022
2124	Hanify	.....Montague	7050
2125	Latz	.....Olson	2000
2126	St. Francis Hspil.	.....Hurley	2120
2127	Maas	.....Schell	2055
2128	Archbishop	.....Conlin	2850

PAINTING, ETC.

(2062) N JACKSON 72-1 W Franklin W 60xN 122-8 1/4. All work for painting, etc., for four-story and basement Class "C" brick building.
Owner.....Meyer Wood, Cr. S. N. Wood & Co., 4th & Market, S. F.
Architect...C. A. Meussdorffer, Humboldt Bank Bldg., S. F.
Contractor..D. Zelinsky & Sons, Inc., 564 Eddy, S. F.
Filed July 8, '16. Dated June 13, '16.
25% of work done.....\$737.50
50% work done.....737.50
Completed and accepted.....737.50
Usual 35 days.....737.50
TOTAL COST, \$2950.00
Bond, \$1475. Surety, United State Fidelity & Guaranty Co. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

PAINTING, ETC.

(2063) N JACKSON 132-1 W Franklin W 60xN 127-8 1/4. All work for painting, etc., for four-story and basement Class "C" brick building.
Owner.....Annie Peyser, 1458 Page, San Francisco.
Architect...C. A. Meussdorffer, Humboldt Bank Bldg., S. F.
Contractor..D. Zelinsky & Sons, Inc., 564 Eddy, S. F.
Filed July 8, '16. Dated June 13, '16.
25% of work done.....\$737.50
50% work done.....737.50
Completed and accepted.....737.50
Usual 35 days.....737.50
TOTAL COST, \$2950.00
Bond, \$1475. Surety, United State Fidelity & Guaranty Co. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

REPAIRS

(2064) NE FIFTH AND JESSIE 75 m or 1 on Fifth and 175 on Jessie. Hold up and support and necessary excavating, brick work, bulkheading, back filling for underpinning Lankershim Hotel.
Owner.....J. B. Lankershim.
Architect...None.
Contractor...D. J. and T. Sullivan, Inc., 1940 Folsom, San Francisco
Filed July 8, '16. Dated July 1, '16.
Work 1/2 completed value of labor and material placed in building on completion total, less.....\$1763
Usual 35 days.....1763
TOTAL COST, \$7049
Bonds, Material men, \$3525; owner, \$3525. Surety, The Aetna Accident & Liability Co. Limit, forfeit, none. Plans and specifications filed.

BRICK STORES

(2065) N McALLISTER 57-6 E Gough E 52-6 N 120 W 110 S 20 E 57-6 S 100.
All work for one-story brick stores.
Owner.....Ada M. Webster & Pauline A. Younger.
Architect...Albert W. Burgren, 30 Woodland Ave., S. F.
Contractor..H. C. Matthies, 180 Jessie, San Francisco.
Filed July 8, '16. Dated July 6, '16.
Brick work ready for ceiling
Joists.....\$2500
Roof on and fire walls up.....2500
Completed and accepted.....2500
Usual 35 days.....2829
TOTAL COST, \$10,329

Bond, \$5165. Surety, Hartford Accident & Indemnity Co. Limit, 60 days. Forfeit, \$8. Plans and specifications filed.

FRAME DWELLING

(2066) W TWENTY-THIRD AVE 125 N Judah. One-story and basement frame dwelling.
Owner.....T. A. Burns, 243 Drumm, San Francisco.
Architect...None.
Contractor..F. A. Klein, 1423 24th Ave., San Francisco.
COST, \$950

FRAME DWELLING

(2067) N SUNNYSIDE 100 E Arcadia. Two-story and basement frame dwlg.
Owner.....Lawrence Barrett, 12 Sunnyside, San Francisco.
Architect...None.
Contractor..Barrett & Hilp, Sharon Bldg., San Francisco.
COST, \$3060

FRAME STORE

(2068) N CORTLAND AVE 30 E Moultrie. One-story and basement frame store.
Owner.....Chas. Stark, 603 Cortland Ave., San Francisco.
Architect...None.
Days work.....COST, \$750

ALTERATIONS

(2069) NO. 520 ATHENS. Raise and alter dwelling.
Owner.....L. Mariani, Premises.
Architect...None.
Day's work.....COST, \$100

FRAME DWELLING

(2070) NO. 214 PERCITA AVE. One-story and basement frame dwelling.
Owner.....E. G. Emerson, Premises.
Architect...None.
Contractor..M. H. Loblaw, 2222 Fillmore, San Francisco.
COST, \$1000

ELECTRIC SIGN

(2071) GORE EDDY AND MARKET. Electric sign.
Owner.....Odeon Cafe, Premises.
Architect...None.
Contractor..Kale Silde Co. (Wiring by Atlas Elec. Co.)
COST, \$400

ALTERATIONS

(2072) NO. 344 FOURTEENTH. Raise frame college building 6 feet; cut out basement and add one story of frame construction.
Owner.....College of Physicians & Surgeons, Premises.
Architect...Edw. E. Young, 251 Kearny, San Francisco.
Contractor..Thos. Elam & Son, 130

Jessie, San Francisco
COST, \$10,000

ALTERATIONS

(2073) NO. 3212 PACIFIC AVE. Galvanized iron sky light, new partitions etc.
Owner.....B. Lowenstein, Premises.
Architect...G. A. Landsburgh, 709 Mission, San Francisco.
Contractor..F. L. Hansen, 709 Mission San Francisco.
COST, \$906

TILE WORK, ETC.

(2074) NO. 560 BROADWAY. Terrazzo floor and tile work.
Owner.....C. Damico, Premises.
Architect...None.
Contractor..Frank Girretta, 3287 Scott, San Francisco.
COST, \$400

FRAME BAKERY

(2075) E HORACE 195 S 25th. One-story frame bakery.
Owner.....L. Cassinelli & Co., 3251 26th, San Francisco.
Architect...J. Devencenzi, 1069 Union, San Francisco.
Contractor..Devencenzi Bros., 1069 Union, San Francisco.
COST, \$2060

BRICK FOUNDATION

(2076) NOS. 1859-65 BUSH. Brick foundation, cement floor, etc.
Owner.....P. Martin, 1814 Bush, S. F.
Architect...None.
Contractor..J. Collins, 581 Waller, S. F.
COST, \$750

FRAME RESIDENCE

(2077) E LINARES 245 S Ortega. Two-story and basement frame residence.
Owner.....William H. Kiler, 200 Phelan Bldg., San Francisco.
Architect...Falch & Knoll, Hearst Bldg., San Francisco.
Contractor..Conservative Bldg. & Investment Co., 200 Phelan Bldg., San Francisco.
TOTAL COST, \$3590

FRAME DWELLING

(2078) E LINARES 386 S Ortega. Two-story and basement frame dwelling.
Owner.....William H. Kiler, 200 Phelan Bldg., San Francisco.
Architect...Ed. Musson Sharpe.
Contractor..Conservative Bldg. & Investment Co., 200 Phelan Bldg., San Francisco.
COST, \$2500

FRAME DWELLING

(2079) E LINARES 488 S Ortega. Two-story and basement frame dwelling.
Owner.....William H. Kiler, 200 Phelan Bldg., San Francisco.
Architect...Falch & Knoll, Hearst Bldg., San Francisco.
Contractor..Conservative Bldg. & Investment Co., 200 Phelan Bldg., San Francisco.
TOTAL COST, \$3800

FRAME FLATS

(2080) W TWENTY-SECOND AVE 200 N Anza N 25x120. All work for two-story frame flats.
Owner.....Jno. H. and Lena Friedrich 120 Montgomery, S. F.
Architect...None.
Contractor..Devincenzi Bros. & Co., 1069 Union, S. F.
Filed July 10, '16. Dated May 9, '16.
Frame up.....\$1625

Brown coated 1625
Completed and accepted..... 1625
Usual 35 days..... 1625
TOTAL COST, \$6500
Bond, \$3250. Sureties, L. Peirano and
Domenico Divencenzi. Limit, 90 days.
after May 15, 1916. Forfeit, none. Plans
and specifications filed.
NOTE:—1st report April 29th. No. 1269

DWELLING

(2081) W LARKIN 112-6 N Lombard
W 87-6XN 25. All work except plumbing
for two-story basement and attic
dwelling house and garage.
Owner..... Angelina and L. Siccardi
and A. Pedrini, 1325 Filbert
San Francisco.
Architect... Albert Farr, 68 Post, S. F.
Contractor... Geo. C. Todhunter, 446 29th
Ave., San Francisco.
Filed July 10, '16. Dated July..... '16.
When roof framing on..... \$1400.00
Plastering completed 1400.00
Door jambs set, windows glazed
and 75% of mill work done..... 1100.00
Completed and accepted..... 1454.35
Usual 35 days..... 1835.00
TOTAL COST, \$7533.35
Bond, none. Limit, 70 days. Forfeit,
\$. Plans and specifications filed.

COTTAGE, ETC.

(2082) S MAYNARD 250 E Craut. All
work for one-story cottage and garage.
Owner..... Ignatius J and Catherine
A. Zabriskie.
Architect... None.
Contractor... E. F. Helms, 4363 California,
San Francisco.
Filed July 10, '16. Dated June 5, '16.
Frame up \$500
Brown plaster on..... 650
Standing trim on..... 250
Usual 35 days..... 500
TOTAL COST, \$2000
Bond, none. Limit, Oct. 5, 1916. Forfeit,
none. Plans and specifications filed.

CONCRETE WORK

(2083) W ALDER ALLEY 244 S 21st
32x117-6. All work for underpinning
and concrete work for building.
Owner..... Sarah Marks.
Architect... None.
Contractor... E. K. Nelson, 109 Buchanan,
San Francisco.
Filed July 10, '16. Dated July 8, '16.
On 1st of each month..... 50%
On completion 25%
Usual 35 days..... 25%
TOTAL COST, \$1350
Bond, \$1500. Sureties, E. R. Sten and
D. D. Horsell. Limit, 40 days. Forfeit,
none. Specifications only filed.

METAL FURRING, ETC.

(2084) NE SACRAMENTO AND WEBSTER
N 255-4½X E 275. Metal furring
and lathing for reinforced concrete
surgical building, consisting of a
sub-basement, basement and 5 stories
Owner..... The Board of Trustees of
the Leland Stanford Jr.
University, Insurance Exchange Bldg., S. F.
Architect... Bakewell & Brown, 251
Kearny, San Francisco.
Contractor... Concrete Engineering Co.
Filed July 10, '16. Dated June 15, '16.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$6700
Bond, \$3250. Surety, Massachusetts
Bonding & Insurance Co. Limit, 60
days. Forfeit, \$10. Plans and specifications
filed.

(2085) PLUMBING ON ABOVE.

Contractor... Kiernan & O'Brien, 1754
Mission, San Francisco.
Filed July 10, '16. Dated June 21, '16.
Payments same as above.....
TOTAL COST, \$62,961
Bond, \$31,481. Surety, The Guardian
Casualty & Guaranty Co. Limit, 300
days. Forfeit, \$25. Plans and specifications
filed.
(2086) PLASTERING ON ABOVE.
Contractor... Frank Stevenson, 320 Market,
San Francisco.
Filed July 10, '16. Dated June 16, '16.
Payments same as above.....
TOTAL COST, \$20,000
Bond, \$10,000. Surety, Massachusetts
Bonding & Insurance Co. Limit, 90 days
Forfeit, \$20. Plans and specifications
filed.

(2087) MILL WORK ON ABOVE.

Contractor... Anderson Bros. Planing
Mill & Mfg. Co., 2399
Powell, San Francisco.
Filed July 10, '16. Dated June 16, '16.
Payments same as above.....
TOTAL COST, \$17,900
Bond, \$8950. Surety, Globe Indemnity
Co. Limit, as required. Forfeit, \$20.
Plans and specifications filed.

(2088) WRECKING AND EXCAVATION ON ABOVE.

Contractor... Sihley Grading & Teaming
Co., 284 Dolores, S. F.
Filed July 10, '16. Dated June 15, '16.
Payments same as above.....
TOTAL COST, \$8900
Bond, \$4450. Surety, Massachusetts
Bonding & Insurance Co. Limit, as required.
Forfeit, \$20. Plans and specifications
filed.

(2089) ORNAMENTAL IRON WORK ON ABOVE.

Contractor... Sartorius Co., 15th and
Utah, San Francisco.
Filed July 10, '16. Dated June 15, '16.
Payments same as above.....
TOTAL COST, \$3500
Bond, \$1250. Surety, Casualty Co. of
America. Limit, 60 days. Forfeit, \$10
Plans and specifications filed.

(2090) MASON WORK ON ABOVE.

Contractor... White & Gloor, Monadnock Bldg., S. F.
Filed July 10, '16. Dated June 15, '16.
Payments same as above.....
TOTAL COST, \$12,600
Bond, \$6300. Surety, The Accident &
Liability Co. Limit, 40 days. Forfeit,
\$20. Plans and specifications filed.

(2091) GLAZING ON ABOVE.

Contractor... W. P. Fuller & Co., Beale
and Mission, S. F.
Filed July 10, '16. Dated June 16, '16.
Payments same as above.....
TOTAL COST, \$2400
Bond, \$1200. Surety, Casualty Co. of
America. Limit, 60 days. Forfeit, \$10.
Plans and specifications filed.

(2092) MARBLE WORK ON ABOVE.

Contractor... Joseph Musto Sons-Keenan
Co., 565 North Point, S. F.
Filed July 10, '16. Dated June 15, '16.
Payments same as above.....
TOTAL COST, \$2360
Bond, \$1900. Surety, New Amsterdam
Casualty Co. Limit, 40 days. Forfeit
\$10. Plans and specifications filed.

(2093) HARDWARE ON ABOVE.

Contractor... Chas. Brown & Sons, 871
Market, San Francisco.
Filed July 10, '16. Dated June 17, '16.

Payments same as above.....

TOTAL COST, \$8000
Bond, \$1000. Surety, American Surety
Co. Limit, as required. Forfeit, \$10.
Plans and specifications filed.

(2094) CONCRETE WORK ON ABOVE

Contractor... Clinton Constr. Co., 140
Townsend, San Francisco.
Filed July 10, '16. Dated June 17, '16.
Payments same as above.....
TOTAL COST, \$91,000
Bond, \$45,500. Surety, Casualty Co. of
America. Limit, 120 days. Forfeit, \$50
Plans and specifications filed.

(2095) TILE WORK ON ABOVE.

Contractor... Mangrum & Otter, Inc., 561
Mission, San Francisco.
Filed July 10, '16. Dated June 16, '16
Payments same as above.....
TOTAL COST, \$21,577
Bond, \$10,788.50. Surety, Casualty Co.
of America. Limit, 70 days. Forfeit,
\$20. Plans and specifications filed.

(2096) WIRING SYSTEM ON ABOVE.

Contractor... Pacific Fire Extinguisher
Co., 567 Montgomery, S. F.
Filed July 10, '16. Dated June 19, '16.
Payments same as above.....
TOTAL COST, \$29,752
Bond, \$11,876. Surety, Fidelity & Deposit
Co. of Maryland. Limit, 300 days.
Forfeit, \$20. Plans and specifications
filed.

(2097) ROOFING AND SHEET METAL WORK ON ABOVE.

Contractor... Forrester Cornice Works,
269 Potrero Ave., S. F.
Filed July 10, '16. Dated June 15, '16.
Payments same as above.....
TOTAL COST, \$8000
Bond, \$1060. Surety, United States Fidelity
& Guaranty Co. Limit, 60 days.
Forfeit, \$10. Plans and specifications
filed.

(2098) REFRIGERATORS & PIPING ON ABOVE.

Contractor... Vulcan Iron Works, Francisco
& Kearny, S. F.
Filed July 10, '16. Dated June 21, '16.
Payments same as above.....
TOTAL COST, \$3170
Bond, 1585. Surety, The Aetna Accident
& Liability Co. Limit, as required
Forfeit, \$10. Plans and specifications
filed.

(2099) TWO ELECTRIC PASSENGER ELEVATORS AND 3 DUMB WAITERS ON ABOVE.

Contractor... Otis Elevator Co., Beach &
Stockton, San Francisco.
Filed July 10, '16. Dated June 15, '16.
Payments same as above.....
TOTAL COST, \$11,325
Bond, \$5662.50. Surety, National Surety
Co. Limit, 100 days. Forfeit, \$20
Plans and specifications filed.

(2100) HEATING AND VENTILATING ON ABOVE.

Contractor... Mangrum & Otter, Inc., 561
Mission, San Francisco.
Filed July 10, '16. Dated June 20, '16.
Payments same as above.....
TOTAL COST, \$19,924
Bond, \$9962. Surety, Casualty Co. of
America. Limit, 300 days. Forfeit, \$20.
Plans and specifications filed.

CLASS "C" ADDITION

(2101) N PINE 137-6 E Van Ness Ave
E 62xN 137-6. All work for one-story
Class "C" addition to building.

Owner.....Mary N. Lucy H. & Edith
W. Allyn, 2609 Gough, S. F.
Architect...Reid Bros., California-
Pacific Bldg., S. F.
Contractor...Barrett & Hilp, Sharon
Bldg., San Francisco.
Filed July 11, '16. Dated July 10, '16.
On 5th and 20th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$11,113

Bond, \$6000. Surety, Hartford Accident
& Indemnity Co. Limit, Sept. 10, 1916.
Forfeit, \$6. Plans and specifications
filed.

EXCAVATION, ETC.

(2102) W LARKIN 50 S O'Farrell S 70
W 115 N 120 E 30 S 50 E 85. Exca-
vation, wood bulkheading, erect all
forms, concrete work, filling in for
side walk, side walk, etc., for retain-
ing walls.

Owner.....C. F. Buckley, 323 Geary,
San Francisco.

Architect...C. H. Skidmore, Hearst
Bldg., San Francisco.

Contractor...C. Sartorio & Co., 3126-A
Laguna, San Francisco.

Filed July 11, '16. Dated July 11, '16.
Completed and accepted.....\$563
Usual 35 days..... 562

TOTAL COST, \$1125

Bond, \$563. Sureties, C. Bruschera and
Frank Mordecai. Limit, 30 days. For-
feit, none. Plans and specifications
filed.

CONCRETE WORK, ETC.

(2103) SE MARKET 75 SW Eighth SW
200 SE 275 NE 155 NW 105 NE 45 NW
170. Concrete work to corridors and
hallways, reinforced concrete floor
and sundry concrete work for Hotel
Whitcomb Building.

Owner.....James Otis, Trustee, 310
California, San Francisco.

Architect...Wright & Rushforth, 354
Pine, San Francisco.

Contractor...C. C. W. Haun, 180 Jessie,
San Francisco.

Filed July 12, '16. Dated July 8, '16.
On 1st of each month..... 75%
Completed and accepted..... 25%

TOTAL COST, \$926

Bond, none. Limit, as rapidly as re-
quired. Forfeit, \$10. Plans and speci-
fications filed.

CLASS "C" STORES, ETC.

(2104) SE MISSION AND SIXTEENTH
S 95x E 105. All work for two-story
Class "C" stores and lofts.

Owner.....John H. Bruns, 1264 21st
Ave., San Francisco.

Architect...C. O. Clausen, Hearst
Bldg., San Francisco.

Contractor...Chas. Coburn, 4030 24th,
San Francisco.

Filed July 12, '16. Dated July 5, '16.
On 1st and 15th of each month 75%
Usual 35 days.....Balance

TOTAL COST, \$22,800

Bond, \$11,900. Surety, Massachusetts
Bonding & Insurance Co. Limit, 90
days. Forfeit, \$10. Plans and speci-
fications filed.

BOILERS

(2105) BLK 464 BOUNDED BY HUM-
holdt, 23rd, Georgia and Louisiana.
All work for taking down 2 Class
M-30 Sterling boilers now in owner's
Power Station in Sacramento and
setting them up in Owner's Station
"A."

Owner.....Pacific Gas & Electric Co.,
445 Sutter, San Francisco.

Architect...None.

Contractor...Robt. and Robt. A. Henry

(as Pacific Coast Boiler
Works), 235 Main, S. F.
Filed July 12, '16. Dated July 7, '16.
On last of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$12,200

Bond, \$6100. Surety, United States Feli-
city & Guaranty Co. Limit, 120 days.
Forfeit, \$20. Plans and specifications
filed.

ALTERATIONS

(2106) NO. 3160 CLAY. Alter dwelling.
Owner.....Al. P. Booth, Premises.

Architect...G. A. Dodge, Royal Ins.
Bldg., San Francisco.

Contractor...H. P. Hoyt Co., Monad-
nock Bldg., San Francisco.

COST, \$900

PLASTER WORK

(2107) NO.1059 MARKET. Ornamental
plaster work in cafeteria.

Owner.....Wm. Ede Co., Kohl Bldg.,
San Francisco.

Architect...Phimmer & Feil, 1059 Mar-
ket, San Francisco.

Contractor...Boos Bros., 1059 Market,
San Francisco.

COST, \$1000

FRAME GARAGE

(2108) W SEWARD 500 S 19th. One-
story frame garage.

Owner.....Mr. Schlenger, 204 Eureka,
San Francisco.

Architect...None.

Contractor...W. Ohlsen, 4507 19th, S. F.

COST \$500

FRAME DWELLING

(2109) N HAVELOCK 111 E Arago
One and one-half-story and base-
ment frame dwelling.

Owner.....A. G. and G. Ghiotto, 4524
Mission, San Francisco.

Architect...None.

Days work. COST, \$1900

FRAME SHED

(2110) BLK OF SILLIMAN, HOLYOKE,
Fulton and Hamilton. One-story
frame shed.

Owner.....H. Moffat Co., Balboa Bldg
San Francisco.

Architect...None.

Contractor...J. M. Burns, 1611 Mc-
Kinnon Ave., S. F.

COST, \$500

REPAIRS

(2111) NO. 1120 TAYLOR. Repair fire
damage.

Owner....."De Journal," Phelan
Bldg., San Francisco.

Architect...None.

Contractor...Ruegg Bros., 719 Pacific
Bldg., San Francisco.

COST, \$400

MARQUISE

(2112) NO. 936 MARKET. Erect mar-
quise.

Owner.....Market St. Theatre, Prem.
Architect...None.

Contractor...Federal Sign System Elec.,
618 Mission, San Francisco

COST, \$770

TAR & GRAVEL ROOF

(2113) NO. 363 WALLER. Tar and
gravel roof.

Owner.....C. Hansen.

Architect...None.

Contractor...Frank Wilkie, Clunie Bldg
San Francisco.

COST, \$400

REPAIRS

(2114) NO. 9 SURRY. Repair fire
damage.

Owner.....H. Behre, Premises.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(2115) NOS. 2621-29 MISSION. Altera-
tions and changes for stores and
(32) apartments.

Owner.....The Hind Estate Co., 230
California, San Francisco.

Architect...Nathaniel Blaisdell, 235
California, S. F.

Contractor...Paul K. Jones, 180 Jessie,
San Francisco.

COST, \$17,000

FRAME APARTMENTS

(2116) W JONES 137-6 N Washington
Three-story and basement frame (12)
apartments.

Owner.....Marcus Marcussen, Royal
Insurance Bldg., S. F.

Architect...Henry C. Smith, Humboldt
Bank Bldg., S. F.

Day's work. COST, \$35,000

NOTE:—Foundation started.

FRAME DWELLING

(2117) W TWENTY-NINTH AVE 266
N Irving. One and one-half-story
and basement frame dwelling.

Owner.....Fernando Nelson, 2701 Lin-
coln Way, San Francisco.

Architect...None.

Day's work. COST, \$1900

FRAME DWELLING

(2118) NE IRVING AND 29TH AVE.
One and one-half-story and basement
frame dwelling.

Owner.....Fernando Nelson, 2701 Lin-
coln Way, San Francisco.

Architect...None.

Day's work. COST, \$1900

FRAME DWELLING

(2119) E THIRTIETH AVE 100 S
Taraval. One-story and basement
frame dwelling.

Owner.....T. J. Clancy Jr., 739 Bran-
nan, San Francisco.

Architect...None.

Day's work. COST, \$1000

FRAME TENEMENTS

(2120) 8 SACRAMENTO 165 W Hyde.
Three-story and basement frame
tenements.

Owner.....F. W. Lurmann, 1370
Washington, S. F.

Architect...None.

Day's work. COST, \$11,950

FRAME TENEMENTS

(2121) 8 SACRAMENTO 137-6 W Hyde.
Three-story and basement frame
tenements.

Owner.....F. W. Lurmann, 1370
Washington, S. F.

Architect...None.

Day's work. COST, \$11,950

HEATING

(2122) N O'FARRELL 127-6 W Taylor
W 28xN 62-6. Heating and ventila-
ting for additional story to bldg.

Owner.....The Eureka Benevolent
Society, 436 O'Farrell, S. F.

Architect...G. Albert Lansburgh, 709
Mission, San Francisco.

Contractor...Frederick W. Snook, 596
Clay, San Francisco.

Filed July 12, '16. Dated July 10, '16.
Pipes roughed in.....\$370

Completed and accepted..... 185

Usual 35 days 185
TOTAL COST, \$740
 Bond, \$370. Surety, United States Fidelity & Guaranty Co. Limit, 65 days
 Forfeit, none. Plans and specifications filed.

(2123) CONCRETE, MASONRY, DAMP-proofing, wrought iron and steel, elevator cage, carpenter, lath and plaster, roofing, sheet metal, glazing, hardware, plumbing and electric work, etc., on above.
 Contractor, Moore & Watson, 110 Jessie, San Francisco.

Filed July 12, '16. Dated July 10, '16.
 Brick walls up and roof on...\$1883.25
 Completed and accepted..... 1883.25
 Usual 35 days..... 1255.50
TOTAL COST, \$5022.00

Bond, \$2511. Surety, Casualty Co. of America. Limit, 60 days. Forfeit, none. Plans and specifications filed.

EXCAVATE FOR RESIDENCE

(2124) N VALEJO 171-10 1/2 W Scott W 34-4 1/2 x N 137-6. Excavation for residence.

Owner.....J. R. Hanify, 24 Market, San Francisco.
 Architect...Reid Bros., California-Pacific Bldg., S. F.
 Contractor...P. Montague, 2887 Green, San Francisco.

Filed July 13, '16. Dated July 11, '16.
 Completed and accepted..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$1050

Bond, \$600. Surety, Fidelity & Deposit Co. of Maryland. Limit, July 26, 1916. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS

(2125) SW SIXTEENTH & HARLOW (Hardy) W 30xS 85. Alterations and additions to two frame buildings (store and flats).

Owner.....Rose Latz, 30 Walnut, S. F.
 Architect...None.
 Contractor...Andrew Olson, 289 Fell, San Francisco.

Filed July 14, '16. Dated July 14, '16.
 Alterations made and building ready for plaster.....\$500
 Plastering completed and roof finished and building primed.... 500
 Completed and accepted..... 500
 Usual 35 days..... 500
TOTAL COST, \$5000

Bond, \$1000. Surety, Fidelity & Deposit Co. of Maryland. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

EXCAVATION, ETC.

(2126) N BUSH 103-1 1/2 E Hyde E 34-4 1/2 x N 140. Excavation and leveling lot, also shoring and sustaining walls and property adjacent thereto.

Owner.....St. Francis Hospital Co., NE Bush and Hyde, S. F.
 Architect...Alfred I. Coffey, 785 Market, San Francisco.

Contractor...P. Hurley, 578 Elizabeth, San Francisco.
 Filed July 14, '16. Dated July 11, '16.
 Excavation work done.....\$1400
 Back filling completed..... 190
 Usual 35 days..... 530
TOTAL COST, \$2120

Bond, \$1060. Sureties Thos. F. Higginson and Philip O'Donnell. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

FRAME COTTAGE

(2127) N EIGHTEENTH 100 E Mission E 25xN 116-3 1/2. All work except

finish hardware, electric fixtures and shades for one-story and basement frame cottage.

Owner.....Mrs. Amanda Maass, 1287 4th Ave., San Francisco.
 Architect...None.
 Contractor...S. Schell, 1367 5th Ave., San Francisco.

Filed July 14, '16. Dated July 14, '16.
 Frame up\$510
 Brown coated 615
 Completed and accepted..... 515
 Usual 35 days..... 516
TOTAL COST, \$2055

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ROOFING, ETC.

(2128) NW TWENTY-THIRD AVE & Geary. Slate and asphalt roofing and sheet metal work, etc., for St. Monica's Church.

Owner.....The Roman Catholic Archbishop of San Francisco, 1100 Franklin, S. F.
 Architect...Frank T. Shea and Jno. O. Lofquist, 742 Market, S. F.
 Contractor...Conlin & Roberts, 410 Natoma, San Francisco.

Filed July 14, '16. Dated June 21, '16.
 On list of each month..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$2850

Bond, none. Limit, without delay. Forfeit, none. Plans and specifications filed.

LEASE.

July 14, 1916—NE LAGUNA AND IVY Ave. C J Sullivan to S. Eudo and Y. Hashimoto. 10 years. \$10,800.

July 12, 1916—NW CLEMENT AND Seventh Ave W 29xN115. Jas S Maguire to Sam Arendt and Frank Levy Assigned, May 9, 1916 to Henrietta L. Bennett. 5 years. \$50 per month.

July 12, 1916—E VALENCIA 195 S 25th S 40xE 117-6. Sarah G Grabill to Dante Tamo. 15 years. \$50 per month
 July 12, 1916—NOS. 3092-94 24th. Geo Mangels to E F Drew. 6 months. \$1800.

July 10, 1916—NO. 340 THIRD, W line Folsom and Harrison. 5 years. \$4500

BUILDER'S BOND.

July 14, 1916—SE MARKET 75 SW 8th SW 200 SE 275 NE 155 NW 165 NE 45 NW 170. James Otis, Trustee with C C W Haun, Contractor. Surety, U. S. Fidelity & Guaranty Co. Bond, \$—.

ARCHITECT'S CERTIFICATE.

July 10, 1916—Gustave T. Stahlberg has filed his certificate of architecture for San Francisco County.

NOTICE OF NON-LIABILITY.

SAN FRANCISCO COUNTY.

July 12, 1916—S PINE 137-6 E Laguna E 87-6xS 137-6. The Jonas Schoenfeld Co as to improvements on leased property.....

COMPLETION NOTICES.

San Francisco

RECORDED ACCEPTED
 July 3, 1916—NO. 240 SACRAMENTO D W C Tietjen, Extr Estate D W Tietjen, dec'd to S F Elev Co.....
July 1, 1916
 July 3, 1916—W TWENTY-FOURTH

Ave 175 S Lake S 25xW 120. John Little to whom it may concern...
July 3, 1916
 July 3, 1916—N GEARY 32-6 E 26th Ave E 25xN 100. John J Pratt to whom it may concern...June 1, 1919
 July 3, 1916—SE EIGHTH AVE AND Judah S 100xE 57. F Tomasini to Farnocchio-Petri...June 24, 1916
 July 5, 1916—S MINNA 125 E Fourth E 75xS 70. E A Norton to Schroder BrosJuly 3, 1916
 July 5, 1916—S CLEMENT 32-6 W 12th Ave W 25xS 100. Walter or Walter R and Daisy Savage to Geo M Hantzache and Fred O McKayJuly 1, 1916
 July 5, 1916—SW SIXTH AVE AND Lincoln Way S 95xW 32-6. Sunset Home Realty Co to Cox Bros.....
July 3, 1916
 July 6, 1916—S TARAVAL 107-6 W 27th Ave W 35xS 100. Tony Danna to whom it may concern...June 30, '16
 July 7, 1916—NE SUTTER & JONES N 55xE 68-9. Gerard Investment Co to whom it may concern...July 7, 1916
 July 7, 1916—SE SHIPLEY 225 SW Fifth SW 25xE 75. Helen C Dixon to A H Wilhelm.....June 23, 1916
 July 7, 1916—W FIFTEENTH AVE 200 S California S 25x120. Birdie and Louis May to whom it may concern.....July 1, 1916
 July 8, 1916—S GEARY 68-9 E Jones E 22-10xS 91-8. Manfred Brandenstein to G P W Jensen, Scott Co, R Zellinsky, The Elec Motor & Machine Co.....July 1, 1916
 July 8, 1916—W TWELFTH AVE 141 N Cabrillo N 84xW 120. Margaretha J Koening to whom it may concernJuly 5, 1916
 July 8, 1916—N GEARY 47-6 E Larkin E 40 N 127-6 W 27-6 S 57-6 W 12-6 S 80. H H Helbush to C L Wold Co.....June 28, 1916
 July 10, 1916—NW GEARY AND 23RD Ave. The Roman Catholic Archbishop to A Lynch.....June 29, 1916
 July 10, 1916—S HEARST AVE 125 W Genessee W 25xS 112-6. Homestead Realty Co to Wm H Grahn.....
July 5, 1916
 July 10, 1916—SW GENEVA AVE & Athens. Ruby Farrar to C D Bevier.....June 29, 1916
 July 10, 1916—E HYDE 137-6 N Ellis N 30xE 137-6. A Penzner to whom it may concern.....July 1, 1916
 July 10, 1916—W FOURTEENTH AVE 100 N Judah 25x127-6. Bertha Haimovitch to whom it may concernJuly 8, 1916
 July 10, 1916—E CAPP 64 S 23rd S 59-6xE 123-6. Jno and Mary Franke to Einar Petersen.....July 7, 1916
 July 11, 1916—NW COURTLAND AVE and Elsie; Nos 147-149 Courtland Ave. Jno P Connolly to Wm M RudyJuly 11, 1916
 July 11, 1916—W CHENERY and N line Lot 1 Blk 15, Fairmount Tract S 32 W 57 m or 1 NW 12 m or 1 E and SE to beg. Fedor Rothe to A Klahn & Son.....July 10, 1916
 July 11, 1916—E SIXTEENTH AVE 200 S Judah S 165xE 127-6. Lederman Bldg Co to whom it may concern.....July 11, 1916
 July 11, 1916—W TWENTY-EIGHTH Ave 306 N California N 25xW 120. Harry B and Laurence D Allen to whom it may concern...July 8, 1916
 July 11, 1916—W TWENTY-EIGHTH Ave 331 N California N 25xW 120. Harry B and Laurence D Allen to whom it may concern...July 8, 1916
 July 11, 1916—W TWENTY-EIGHTH

"DON'T FORGET THE BEST"

The Clintonville

Four

Wheel

Drive----

The Motor Truck for Any Road or Any Weather is Making Greater Gains in

POPULARITY
ROMINENCE and
REFERENCE

than any other Motor Truck built in America today.

You owe it to yourself to investigate the unapproachable records of FWD's in actual service. They make hauling pay.

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa

"DON'T FORGET THE BEST"

WITHOUT EXCEPTION

F. W. D. Trucks operating in California have all been placed on difficult hauls, where many of the best of the rear-drive trucks have been tried out and found wanting.

Remember—The Front
Wheels Pull, While the
Rear Wheels Push.

Here are some of our recent purchasers, who are all working one or more F. W. D.'s under city and adverse road conditions—ASK THEM:

Sonoma County Highway Commission,
Santa Rosa Cal.

E. M. Moores Bros., Construction Co.,
San Francisco, Cal.

Leviathan Mines Co., Yucca Ariz.

Federal Drilling Co., Taft, Cal.

W. H. Elsher, Bakersfield, Cal.

John Wagner Fullerton, Cal. (orange grower).

Felix Gelger Contractor, L. A., Cal.

Wawona Hotel Transportation Co.,
Yosemite, Cal.

Geo. F. Bartlett, Hetch Hetchy, Cal.

G. B. Milne Construction Co., Lakeview, Ore.

C. C. Van Seoy, Los Angeles, Cal.

J. M. Gates, Hetch Hetchy Cal.

John Crane, Los Angeles, Cal.

C. A. Woodyard, Contractor, L. A., Cal.

Mesa Grande Fuel Co., Brawley, Cal.

Dr. Cummings, Contractor, L. A., Cal.

Ave 281 N California N 25xW 120. Harry B and Laurence D Allen to whom it may concern. July 8, 1916
 July 12, 1916—S HAYES 27-6 E Webster S 120xW 27-6. Mary A and Margaret A Gallagher to A M Wallen. July 1, 1916
 July 12, 1916—W SECOND AVE 125 S Geary. Leo J Ruegg to whom it may concern. July 8, 1916
 July 12, 1916—SE PIER NO. 34 on E line East St. approximately opp junction of S end of Beale and E Brannan. Frank G Dunn and Warren Olney Jr., receivers Western Pacific Railway Co to Hyde Harjes & Co. July 7, 1916
 July 13, 1916—E TWELFTH AVE 175 N Kirkham N 25xE 120 O L 753. Vincent B Lewis to whom it may concern. July 13, 1916
 July 13, 1916—LOTS 40 AND 41 on W Edgewood Ave (3 buildings each 25x121-6). C Belle Grover to Grimes & Drew. July 12, 1916
 July 14, 1916—LOT 13, 15 AND 17 BLK 2817 Forest Hill Court. The Newell Murdock Realty Co to Higginson Co., Inc. July 11, 1916
 July 14, 1916—S GERMANIA AVE 80 E Steiner. P A Clifford to John J Binet Co. July 10, 1916
 July 14, 1916—SE BROADWAY AND Fillmore 35x100. Catherine C McKenzie to whom it may concern. July 12, 1916
 July 14, 1916—LOT 18 BLK 4 Crocker Amazon Tract. Wm Seaberg to Henning Olson. July 14, 1916
 July 14, 1916—SW ELLIS AND HYDE W 57-6xS 82-6. D & S Investment Co to Mealey & Collins. June 21, 1916
 July 14, 1916—SW ELLIS AND HYDE W 57-6xS 82-6. D & S Investment Co to Ralston Iron Works, Inc. July 7, 1916
 July 14, 1916—NW BUSH AND POLK. Estate Sarah Fry to Scott Co, Inc. July 7, 1916
 July 17, 1916—S Goldberg. July 7, 1916

LIENS FILED

San Francisco

RECORDED AMOUNT
 July 3, 1916—N SACRAMENTO 146-8 W Taylor N 120 W 27-6 S 120 E 28-6. Western Lime & Cement Co, \$121.85; Holmes Lime & Cement Co, \$63.50 vs Jos Bacciocco, Henry Conrad and John Fay. July 3, 1916
 July 3, 1916—N SACRAMENTO 119-2 W Taylor N 120xW 27-6. Holmes Lime & Cement Co, \$45; Western Lime & Cement Co, \$105.15 vs Henry Caillaud Jr, Henry Conrad and John Fay. July 3, 1916
 July 3, 1916—N SACRAMENTO 119-2 W Taylor N 120xW 27-6. J W Bender Roofing & Paving Co, \$73.26; Comyns & Nygren \$97 vs Henry Caillaud Jr and Henry Conrad. July 3, 1916
 July 3, 1916—N SACRAMENTO 146-8 W Taylor N 120 W 27-6 S 120 E 28-6. J W Bender Roofing & Paving Co, \$126.70; Comyns & Nygren, \$210 vs Jos Bacciocco and Henry Conrad. July 3, 1916
 July 3, 1916—NW ELIZABETH AND Douglass N 26-6xW 100. Henry Gervais vs Abraham and Clara Lenn and H W Neilson. July 3, 1916
 July 3, 1916—NW DOUGLASS AND Elizabeth. Marshall & Stearns Co vs Abraham and Clara Lenn and H W Nielsen. July 3, 1916
 July 3, 1916—NW ELIZABETH AND Douglass N 26-6xW 100. Joost Bros vs Abraham and Clara Lenn and H

W Nielsen. July 3, 1916
 July 5, 1916—S PINE 68-9 E Sansome E 34-4½xS 96. O Kurtz vs Postal Realty Co. July 5, 1916
 July 5, 1916—N BRAZIL AVE 50 W Edinburgh W 25xN 100. J S Guerin & Co vs Gaetano Ciampa, L Dio. July 6, 1916
 July 6, 1916—N SACRAMENTO 146-8 W Taylor N 120 W 27-6 S 120 E 28-6. H N McClure vs Jos Bacciocco. Henry Conrad and Jno Fay. July 6, 1916
 July 6, 1916—NW DOUGLASS AND Elizabeth N 26-6xW 100. Friedman Bros vs Abraham and Clara Lenn and H W Nielsen. July 6, 1916
 July 8, 1916—NE EIGHTEENTH AV and Noriega N 100xE 32-6. M Bertolino vs Julie Depierre and Hofmeister & Berdahl. July 8, 1916
 July 8, 1916—W THIRTIETH AVE 175 N Judah N 50xW 120. F S Buckman vs J J Cunningham. July 8, 1916
 July 8, 1916—E THIRTIETH AVE 150 S Irving S 25xE 120. F S Buckman vs M U Dowling. July 8, 1916
 July 8, 1916—NE EIGHTEENTH AV and Noriega N 100xE 32-6. Laurel Sheet Metal Wks vs Julie Depierre and Hofmeister & Berdahl. July 8, 1916
 July 8, 1916—NE EIGHTEENTH AV and Noriega N 100xE 32-6. California Steam & Plumbing Supply Co vs Mrs J De Pierre, J S Hofmeister and Frank Berdahl. July 8, 1916
 July 8, 1916—S EIGHTEENTH 54-10 E Oakwood E 27 S 101 W 27 N 100. Leonard Lumber Co vs Elizabeth A Keith and Segursion Bros. July 10, 1916
 July 10, 1916—W EIGHTEENTH AV 175 S Judah S 25x125. Pacific Portland Cement Co, Consolidated vs G H and Maude Morrill and F M Herrington. July 10, 1916
 July 10, 1916—N PAGE 165-7½ W Central Ave N 137-6xW 40. Palace Hardware Co vs Carrie Green and J P Fletcher. July 10, 1916
 July 10, 1916—W EIGHTEENTH AV 175 S Judah S 25xW 120. Atlas Mortar Co vs E A Chick and George H and Maud Morrill. July 10, 1916
 July 10, 1916—NE NOREIGA AND 15th Ave E 32-6xN 100. Leonard Lumber Co vs Julie Depierre, J S Hofmeister and F E Berdahl (as Hofmeister & Berdahl). July 10, 1916
 July 10, 1916—W EIGHTEENTH AV 175 S Judah S 25xW 120. Western Lime & Cement Co vs E A Chick and George H and Maud Morrill. July 10, 1916
 July 10, 1916—NW CLAY & SPRUCE N 100 W 37-6 S 100 E to beg; No. 223 Spruce. The Hoffman Heater Co vs Susan M Everding, H G W Dinkelspiel and R McClelland. July 12, 1916
 July 12, 1916—E DIVISADERO 102-84 N Jackson N 25xE 110. W J B McWhirter vs Elizabeth S Ellinwood and Henry E Routh. July 13, 1916
 July 13, 1916—W DE HARO 225 N 23rd N 25xW 100. W H Yates vs H C Andersen and William and Louisa Siebert. July 13, 1916
 July 13, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 NW 45 SW 57-6 NW 47-6 NE 137-6. Sibley Grading & Teaming Co vs E K Nelson, Ellen M Otto, Lucile E and Jas M Otto. July 14, 1916
 July 14, 1916—N PAGE 165-7½ W Central Ave N 137-6xW 40. J S Guerin & Co vs Carrie Green and J P Fletcher. July 14, 1916
 July 14, 1916—LOT 3 BLK "O" Mission Terrace. Ernest O Jones vs E Helms. July 14, 1916
 July 14, 1916—LOT 4 BLK "O" Mission Terrace. Ernest O Jones vs E Helms. July 14, 1916

July 14, 1916—W SEVENTEENTH Ave 246-1 S California. Ernest O Jones vs John F Gallagher and Myrtle M Gallagher. July 14, 1916
 July 14, 1916—W SAN CARLOS AVE 210 N 19th N 25xW 100. W G Hyman, S L Hyman, O Rosensteln, Trustees Columbia Lumber Co vs John F Haner. July 14, 1916
 July 14, 1916—W SAN CARLOS AVE 210 N 19th N 20-6xW 80. Robert H Smith vs John F and Rae Haner. July 14, 1916
 July 14, 1916—N JACKSON 137-6 W Divisadero W 31-10 4-5xN 127-3½. Inland Floor Co vs Inland Hardwood Co, Frank Neubert and Bertha Coope. July 14, 1916
 July 14, 1916—NW WASHINGTON & Jones N 68-4xW 137-6. Inland Floor Co vs Inland Hardwood Co, Frank Neubert, L M Egbert and John Hinkel. July 14, 1916

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland, Owners, City of Oakland. Bids will be opened on July 27th for street improvements authorized under the following resolution: That Thompson street, from the north line of 47th avenue to the southeast line of 45th avenue, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement sidewalks 6 feet wide.

CULVERTS AND SEWER—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland, Owners, City of Oakland. Bids will be opened on July 27th for street improvements authorized under the following resolution: That a concrete culvert be constructed in portions of Foothill Boulevard, Church street and Beck street, a pipe conduit having an internal diameter of 24 inches; relay a portion of existing pipe conduit, three brick storm water inlets and pipe conduits having internal diameters of 10 inches, and seven brick manholes with cast iron tops.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley, Owners, City of Berkeley. Bids will be opened on July 25th for street improvements authorized under the following resolution: That the roadway of Keith avenue from the east line of Hopkins Terrace No. 4 east and north to the north boundary line of the city of Berkeley, be graded. Combination concrete curbs and gutters be constructed along the curb lines thereof, and that the remainder of the roadway be macadamized and surfaced with oil and rock screenings.

SEWER CONSTRUCTION—Cost not stated. San Leandro, Alameda Co., Cal. Engineer, City Engineer, San Leandro, Owners, City of San Leandro. Bids will be opened on July 24th at 3 p. m. for the furnishing of labor and materials and doing the work for the construction of a storm water sewer in East 14th street, from Juana avenue to Maud avenue.

SEWER CONSTRUCTION—Cost not stated. San Leandro, Alameda Co., Cal. Engineer, City Engineer, San Leandro, Owners, City of San Leandro. Bids will be opened on August 7th at 1 p. m. for construction authorized under the following resolution: That Williams street, from the west line of Martinez street to the west boundary line of the

city of San Leandro, be sewerage along its center line with a 6-inch (internal diameter) sewer pipe; also 1 brick manhole, 1 brick flush tank, having a cast iron top and equipped with a No. 1 "Walker Siphon"; 1 lampole having a top of cast iron and brick; Y branches, each having 4-inch openings and house drains 4-inch internal diameter, sewer pipe be constructed.

APARTMENT HOUSE—2 story and base, frame, \$8,000. Berkeley, Alameda Co., Cal. Architects, J. C. and Merrill Newsom, 1748 Broadway, Oakland. Owner, Mr. Shaw. Location, Ellsworth near Fulton. Will contain six apartments of three rooms each. Plans being prepared.

APARTMENT HOUSES—2, 3 story and base, frame and brick. Cost not stated. Oakland, Cal. Architects, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, J. M. Booth. Location, Southeast corner 10th and Oak streets. Will contain two and three room apartments. Plans complete and in the hands of the owner who is letting contracts.

APARTMENT HOUSES—2, 3 and 4 story. Class C construction, \$65,000 and \$50,000. Berkeley, Alameda Co., Cal. Architect, John W. Woodlett, 1005 K street, Sacramento. Owner's name withheld. Preliminary plans only have been prepared. Further mention will be made of the work.

APARTMENT HOUSE AND STORES—3 story and base, frame, \$25,000. Berkeley, Alameda Co., Cal. Architects, "Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location, Channing Way. Will contain six stores and a number of two-room apartments. Plans complete and contract to be awarded at once.

RESIDENCE—2 story and base, frame, \$3,500. Berkeley, Alameda Co., Cal. Architects, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, E. C. Douglas. Location, Santa Barbara west of Spruce. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$9,500. Piedmont, Alameda Co., Cal. Architects, Banning & Stewart, 215 Broadway, Oakland. Owners, Banning & Stewart. Location, north apartment avenue east of Highland. Will contain ten rooms, three baths and sleeping porches. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Berkeley, Alameda Co., Cal. Architects, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, Frank Spring. Location, Thousand Oaks. Will contain eight rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, A. R. Dexter, 820 thens avenue, Oakland. Location, northwest corner of Adeline and Shattuck. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Piedmont, Alameda Co., Cal. Architects, Milwain Bros., Albany Bldg., Oakland. Owner, C. De F. Case. Location, Blair avenue. Will contain eight rooms, bath and sleeping porch. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$7,500. Berkeley, Alameda Co., Cal. Architect, Henry H. Gutterston, 278 Post street, S. F. Owner, Mrs. E. L. Palache. Location, Claremont Tract. Will contain eight rooms, two baths and sleeping porch. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, Charles D. Hart, 615 22nd street, Oakland. Location, northwest corner of Jean and Monte Vista. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Oakland, Cal. Architects, Banning & Stewart, 5215 Broadway, Oakland. Owners, Banning & Stewart. Location, east Clarendin Crescent and Ashmont. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. Alameda, Alameda Co., Cal. Architect, none. Owner, Conrad Roth, 2117 Pacific avenue, Alameda. Location, 2423 Clement avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, E. M. Marquise, 2827 Russell street, Berkeley. Location, east 11st avenue south of Santa Rita. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, Edward Larmer, 470 Boulevard Way, Oakland. Location, south Derby east of Ellsworth. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. B. Spitzer, 815 Oxford street, Berkeley. Location, east Mendocino south of Indian Rock. Will contain nine rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, I. A. Kellogg, 5101 Champion street, Oakland. Location, east Laguna north of Montana. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$1,800. Oakland, Cal. Architect, none. Owner, R. Michel, 1092 66th street, Oakland. Location, east Freda north of 66th. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$8,000. Oakland, Cal. Architect, C. W. McCall, Central Bank Bldg., Oakland. Owner, M. Cianciarulo. Location, Sheridan avenue. Will contain ten rooms, three baths and sleeping porch. Separate garage. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$5,000. Berkeley, Alameda Co., Cal. Architects, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, Frank Spring. Location, Thousand Oaks. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$6,900. Belvedere, Marin Co., Cal. Architect, W. G. Hind, 46 Kearny street, S. F. Owner, Dr. Clyde S. Payne. Will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and work being done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, W. E. Boyd, 4175 Park Boulevard, Oakland. Location, east Santa Ray south of Viona. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,700. Oakland, Cal. Architect, none. Owner, Alfred D. Darling. Location, east 27th avenue north of East 30th street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on July 27th for street improvements authorized under the following resolutions: That Excelsior avenue, from Athol avenue to Beacon street, be graded, curbed with concrete, guttered with concrete gutters 3 feet wide, paved with oil macadam, and cement sidewalks.

COLLEGE BUILDING COMPLETION—2, 2 and 3 story. Class A construction. Cost not given. Berkeley, Alameda Co., Cal. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. A complete list of the bids received for completing Hilgard Hall and the Chemistry Building will be found under the heading of Oakland and Alameda County in this issue. Awards have not been made.

Contracts Awarded.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts for street improvements have been awarded under the following resolutions: That 50th avenue, from the southwest line of East 12th street to a straight line drawn from the intersection of the southeast line of 50th avenue with the southwest line of East 10th to a point on the northwest line of 50th avenue, distant thereon 50.111 feet northeast from the northeast line of East 10th street, be graded, curbed with redwood, concrete gutters 3 feet wide and paved with oil macadam; also corrugated iron and concrete culverts, each having two branches. Awarded to The Ransome-Crummey Co., First National Bank Bldg., Oakland.

That a sewer having an internal diameter of 8 inches be constructed along the center line and its production at 15th avenue, from the center line of Clement street to a point 360 feet northeast therefrom, measured parallel to the northwest line of said 15th avenue; also a lampole with a brick and cast iron top and Y branches, having 5-inch openings be constructed of vitrified sewer pipe. Awarded to M. P. Cambar, 1041 91st avenue, Oakland.

That portions of 33rd avenue be graded, curbed with redwood, concrete gutters 3 feet wide and paved with oil macadam; also a vitrified pipe conduit be constructed, brick storm water inlets with cast iron tops, a brick manhole

with east iron top. Awarded to The Ransome-Crummey Co., First National Bank Bldg., Oakland.

Figures Opened For U. C. Construction.

All work on New Chemistry Building and Hilgard Hall Segregated. No Awards Have Been Made.

An exceptionally large number of figures were opened by the Regents of the University of California at their Wednesday meeting for construction work in connection with the Chemistry Building and Hilgard Hall on the Campus at Berkeley. All parts of the work were segregated. The following is a complete list of the bids as opened. No awards were made.

HILGARD HALL

Excavation and Concrete Work.

T. W. McClenahan & Co.	\$129,987
Ward & Goodwin	113,900
Anderson & Ringrose	110,700
Wm. A. Newsom	113,078
J. D. Hannah	127,772
Sound Constr. & Eng. Co. (Low)	106,485
Clinton Constr. Co.	106,990
Monson Bros.	108,865
H. L. Peterson	111,991

Exterior Cement Finish.

James F. Smith	\$29,800
Paul E. Denvelle (low)	27,900
C. C. Morehouse	33,608
Herman Bosch	27,925

Roofing and Sheet Metal Work

Robert Dalziel	\$12,427
C. S. Metal Products Co.	12,220
Conlin & Roberts	12,978
Forderer Corncice Works (low)	10,750
Yager Sheet Metal Works	14,214
Interior Furring, Lathing & Plastering	
James F. Smith	\$29,350
Knowles & Mathewson (low)	25,669
Herman Bosch	29,680
C. C. Morehouse	28,902

Carpentry and Cabinet Work

L. & E. Emanuel	\$85,990
R. W. Littlefield	94,077
B. Stone Co. & F. J. Melbourne	132,900
Anderson & Ringrose	107,690
Wm. A. Newsom	100,000
J. D. Hannah	92,473
S. Kulchar & Co.	79,994
Williams Bros & Henderson	93,941
McLeran & Peterson (low)	83,852
Fink & Schindler	89,750
A. J. Forbes	92,600
Monson Bros.	98,487

Marble and Terrazzo.

Vermont Marble Co.	\$8650
American Marble & Mosaic Co.	7875
Joseph Musto Sons-Keenan Co. (low)	7545

Plumbing.

Alexander Coleman	\$25,990
Wm. F. Wilson	22,980
Robert Dalziel	22,817
J. E. O'Mara	23,300
Herman Lawson	24,100
James H. Pinkerton	23,480
Scott Co. (low)	19,640
Carl Doell	33,825
Kiernan & O'Brien	23,888
Turner Co.	21,790
Frederick W. Snook	23,800

Heating and Ventilating.

Carl Doell	\$52,689
Robert Dalziel	46,863
J. E. O'Mara	49,947
Herman Lawson	51,300
J. H. Pinkerton	51,980

Kiernan & O'Brien	\$0,520
Scott Co. (low)	46,660
Mangrum & Otter	48,214
Turner Co.	48,960

Electric Wiring.

Ne Page-McKinney Co.	\$14,380
Electrical Constr. Co.	15,992
Pacific Fire Extinguisher Co.	16,215
H. S. Tittle	15,845
Rex Elec. Co. (no bond or check)	14,950
Newberry Elec. Co.	15,625
Turner Co.	15,800
McFell Elec. Co. (low)	14,655

Acoustic Felt, Hilgard Hall and Chemistry Building, Both

Johns Manville Co.	\$2675
--------------------	--------

CHEMISTRY BUILDING.

Excavation, Grading and Concrete.

Knowles & Mathewson	\$81,000
Anderson & Ringrose	67,000
Wm. A. Newsom	73,444
J. D. Hannah	81,773
H. L. Peterson	71,825
Monson Bros.	82,375
Clinton Constr. Co. (low)	65,250
Sound Constr. Co.	65,700

Exterior Cement Finish.

Paul E. Denvelle	\$17,500
MacGruer & Co. (low)	13,334
James F. Smith	14,400
Herman Bosch	14,200
C. C. Morehouse	15,706

Roofing and Sheet Metal Work.

Robert Dalziel	\$6,547
Forderer Corncice Works (low)	1,976
U. S. Metal Products Co.	5,992
Conlin & Roberts	5,655
Yager Sheet Metal Works	7,557

Interior Furring, Lathing & Plastering.

C. C. Morehouse	\$16,726
James F. Smith	15,940
MacGruer & Co.	15,826
Knowles & Mathewson (low)	14,776
Herman Bosch	17,900
Herman Bosch combined exterior and interior plastering for both buildings,	\$87,180.

Carpentry and Cabinet Work.

R. W. Littlefield	\$48,317
William Bros. & Henderson	51,513
B. Stone Co. & F. J. Melbourne	72,600
McLeran & Peterson (low)	43,260
Fink & Schindler	49,750
S. Kulchar Co.	46,890
J. D. Hannah	63,773
Wm. A. Newsom	59,983
Anderson & Ringrose	53,470
A. J. Forbes	49,300
Monson Bros.	58,568
L. & E. Emanuel	48,800

Marble and Terrazzo.

Vermont Marble Co.	\$5,500
American Marble & Mosaic Co.	5,976
Joseph Musto Sons-Keenan Co. (low)	4,785

Plumbing.

Carl Doell	\$23,812
Wm. F. Wilson	20,100
Alexander Coleman	22,955
Robert Dalziel	17,227
Scott Co. (low)	16,965
J. E. O'Mara	19,300
James H. Pinkerton	18,660
Kiernan & O'Brien	17,846
Herman Lawson	18,700
Turner Co.	18,660
Frederick W. Snook	18,500

Heating and Ventilating.

Carl Doell	21,550
J. E. O'Mara	15,777
James H. Pinkerton	17,890
Kiernan & O'Brien	17,458
Herman Lawson	18,200
Robert Dalziel	14,143
Scott Co. (low)	14,080
Mangrum & Otter	14,900
Turner Co.	16,146

Elevator.	
Otis Elevator Co.	\$2,090
Electric Wiring.	
Decker Elec. Constr. Co.	\$32,890
Pacific Fire Extinguisher Co.	31,000
Ne Page-McKinney Co.	30,647
H. S. Tittle	32,100
Rex Elec. Co. (no bond or check)	33,500
Newberry Elec. Co. (low)	29,980
Turner Co.	33,485
McFell Elec. Co.	31,300

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Am't.
1654	Eckles	Fake	400
1657	Nelson	Nelson	400
1658	Kat	Kat	500
1659	Palange	Palange	400
1660	Merithew	Merithew	600
1661	Kellogg	Kellogg	1600
1662	Gonsalves	Silva	1415
1663	Oates	Oates	4500
1664	Figueroa	Hudson	3285
1665	Tramer	Francis	1475
1667	Banning	Stewart	3500
1669	Galbraith	Swalley	7783
1672	Dexter	Dexter	1750
1673	Rapp	Almfield	500
1674	Spurts	Foster	400
1675	Ryan	Bane	500
1676	Werum	Brown	2000
1677	Schneider	Corbett	1000
1678	Peterson	Francis	400
1679	Peterson	Francis	400
1680	King	Fake	450
1686	Stone	Dowd	4955
1687	Marquise	Marquise	2000
1688	Banning	Stewart	5000
1689	Same	Same	400
1690	Hart	Hart	2300
1691	Unham	Dingwell	600
1692	Smith	Miller	1600
1693	Smith	Miller	1600
1694	Smith	Miller	1600
1695	Jeffreys	Coburn	2250
1708	Archibson	Nelson	1375
1709	Catford	Locke	3050
1710	Turner	Novelly	600
1711	Valleno	Getty	1150
1712	Nethkin	Nethkin	1600
1715	Portal	Legault	2000
1714	Westman	Pagerstrom	2000
1717	Nebeker	Nunes	4822
1718	Spring	Spring	5000
1719	Hart	Bugby	2000
1720	Martin	Martin	1000
1721	Martin	Martin	1000
1722	Nethkin	Nethkin	400
1723	Nethkin	Nethkin	900
1724	Dunn	Nethkin	1100
1725	Dunn	Nethkin	1100
1726	Russo	Nielsen	1857
1727	Smith	Smith	6500
1728	Boyd	Boyd	3000
1729	Darling	Darling	1700
1730	Morehouse	Eliel	2255
1732	Russo	Nielsen	1856

ADDITION

(1656) NO. 1820 IRVING AVE., Oakland.	Addition.
Owner.....N. B. Eckles, Premises.	
Architect.....None.	
Contractor.....W. H. Fake, 1640 25th Ave., Oakland.	
COST, \$400	

CONCRETE GARAGE

(1657) NO. 348 FIFTY-FIRST, Oakland.	One-story concrete garage.
Owner.....Edmund Nelson, Premises.	
Architect.....None.	
Days' work.....	COST, \$400

DWELLING

(1658) S HUMBOLDT 150 E Lynde, Oakland.	One-story 4-room dwlg.
Owner.....Mrs. Jeanne A. Kat, 2412 Humboldt, Oakland.	
Architect.....None.	
Contractor.....Wm. Kat, 2412 Humboldt, Oakland.	
COST, \$500	

ADDITION

(1659) NO. 809 BERRY, Oakland.	Addition.
--------------------------------	-----------

Owner.....A. Palange, Premises.
Architect...None.
Day's work. COST, \$400

REPAIRS
(1660) NO. 1432 TWELFTH AVE., Oakland, Repairs.
Owner.....C. H. Merithew, Premises.
Architect...None.
Day's work. COST, \$600

DWELLING
(1661) E LAGUNA AVE 35 N Montana Oakland. One-story 5-room dwlg.
Owner.....I. A. Kellogg, 3404 Champion, Oakland.
Architect...None.
Day's work. COST, \$1600

DWELLING
(1662) NW E-EIGHTH AND PORTWOOD, Oakland. One-story five-room dwelling.
Owner.....M. A. Gonsalves, 2771 E-Eighth, Oakland.
Architect...None.
Contractor.....Silva & Almeida, 2869 Ford Oakland.
COST, \$1415

FLATS
(1663) SE E-THIRTY-EIGHTH AND Division, Oakland. Two-story 16-room flats.
Owner.....R. Oates, 1580 Vista, Okd.
Architect...None.
Day's work. COST, \$1500

DWELLING
(1664) LOT 13 BLK "Q" Map Fourth Ave Terrace, Oakland. All work for two-story 7-room dwelling.
Owner.....Manuel C. and Cecelia E. Figueredo, Oakland.
Architect...None.
Contractor.....C. E. Harrison and L. G. Hudson (Harris & Hudson) 1957 E-38th, Oakland.
Filed July 8, '16. Dated July 7, '16.

1st floors laid.....\$ 450.00
Rough frame completed..... 450.00
Completed and accepted..... 1192.50
Usual 35 days..... 1192.50
TOTAL COST, \$3285.00
Bond, none. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

FRAME DWELLINGS
(1666) LOT 79 Map Kingsland Tract, Brooklyn Tp. All work for seven 1-story 4-room; 3 3-room and 1 5-room frame dwellings.
Owner.....A. Miles Taylor, Head Bldg., San Francisco.
Architect...None.
Contractor.....J. I. Thomas & David Clarke, 2231 Seminary Ave., Oakland.
Filed July 8, '16. Dated July 6, '16.

On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$14,750
Bond, none. Limit, 150 days. Forfeit, none. Plans and specifications, none.

FRAME DWELLING
(1667) N CAPERTON AVE 101 E Highland Ave., Piedmont. Two-story frame dwelling.
Owner.....Banning & Stewart, 5215 Broadway, Oakland.
Architect...None.
Day's work. COST, \$9500

FRAME DWELLING, ETC.
(1669) LOT 4 BLK 33 Lakeside Bldv Adams Point, Oakland. All work for two-story frame dwelling and one-story frame garage.

Owner.....Dr. A. and Gladys Galbraith, 1418 Broadway, Okd
Architect...None.
Contractor.....H. M. Swalley and E. A. Spencer, Oakland.
Filed July 10, '16. Dated July 6, '16.

Rafters in place.....\$1945
Sash set and shingled..... 1945
Completed and accepted..... 1945
Usual 35 days..... 1948
TOTAL COST, \$7783

Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.
DWELLING
(1672) NW ADELINE AND SHATTUCK AVE., Oakland. One-story five-room dwelling.
Owner.....A. R. Dexter, 820 Athens Ave., Oakland.
Architect...None.
Day's work. COST, \$1750

DWELLING
(1673) S KANNING 46 W Maybelle, Oakland. One-story 4-room dwlg.
Owner.....Frances Rapp.
Architect...None.
Contractor.....H. Ahnefeld, 3005 King, Berkeley.
COST, \$500

ALTERATIONS
(1674) NO. 415 FORTY-FIFTH, Oakland. Alterations.
Owner.....Mrs. W. C. Knuts, Prem.
Architect...None.
Contractor.....E. H. Foster, 563 17th, Oakland.
COST, \$100

ADDITION
(1675) NO. 2509 HIGHLAND AVE., Oakland. Addition.
Owner.....Annie T. Ryan, 1817 Harrison, Oakland.
Architect...None.
Contractor.....W. E. Bane, 570 9th, Okd.
COST, \$500

DWELLING
(1676) SW THIRTY-FOURTH AVE & Galindo, Oakland. One-story 5-room dwelling.
Owner.....A. N. Werum, 3404 Harper Court, Oakland.
Architect...None.
Contractor.....W. C. Brown, 1624 64th Ave., Oakland.
COST, \$2000

ADDITION
(1677) NO. 348 GRAND AVE., Oakland Addition.
Owner.....M. Schneider, Premises.
Architect...None.
Contractor.....Corbett & Bayliss, 1110 Franklin, Oakland.
COST, \$1600

REPAIRS
(1678) NO. 1222 FORTY-FOURTH AVE., Oakland. Repairs.
Owner.....E. Cramer, Premises.
Architect...None.
Contractor.....E. O. Francis.
COST, \$475

ALTERATIONS
(1679) NO. 1203 HIGH, Oakland. Alterations.
Owner.....J. Peterson, Premises
Architect...None.
Contractor.....E. O. Francis.
COST, \$400

ALTERATIONS
(1680) SE THIRTEENTH AND WEBSTER, Oakland. Alterations.
Owner.....J. H. King, 15th and Franklin, Oakland.
Architect...None.
Contractor.....W. H. Fake, 1640 25th Ave., Oakland.
COST, \$450

DWELLING
(1686) NW LAKE SHORE AVE AND Kenmore Ave., Oakland. All work for two-story and basement frame dwelling.
Owner.....Mrs. Florence P. Stone, 317 Lee, Oakland.
Architect...None.
Contractor.....Thomas F. Dowd, 728 Chestnut, Oakland.
Filed July 11, '16. Dated July 8, '16.

Frame up.....\$1000
Ready for plaster..... 1000
Ready for mill work..... 1000
Completed and accepted..... 1000
Usual 35 days..... 955
TOTAL COST, \$4955
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1687) E FORTY-FIRST AVE 850 S Santa Rita, Oakland. Two-story 6-room dwelling.
Owner.....E. M. Marquise, 2827 Russell, Berkeley.
Architect...None.
Day's work. COST, \$2000

DWELLING
(1688) E CLARENDON CRESCENT 500 S Ashmont, Oakland. Two-story 8-room dwelling.
Owner.....Banning & Stewart, 5215 Broadway, Oakland.
Architect...None.
Day's work. COST, \$5000

GARAGE
(1689) E CLARENDON CRESCENT 500 S Ashmont, Oakland. Garage.
Owner.....Banning & Stewart, 5215 Broadway, Oakland.
Architect...None.
Day's work. COST, \$400

DWELLING
(1690) NW JEAN AND MONTE VISTA AVE., Oakland. Two-story 6-room dwelling.
Owner.....Chas. D. Hart, 615 22nd, Oakland.
Architect...None.
Day's work. COST, \$2300

ALTERATIONS
(1691) NO. 268 GRAND AVE., Oakland. Alterations.
Owner.....J. S. Dunham, Premises.
Architect...Mau & Dingwell, Macdonough Bldg., Oakland.
Contractor.....J. H. Dingwell, 2006 West, Oakland.
COST, \$600

DWELLING
(1692) W FIFTY-EIGHTH AVE 200 S Taylor, Oakland. One-story 5-room dwelling.
Owner.....H. C. Smith, Humboldt Bk. Bldg., San Francisco.
Architect...None.
Contractor.....H. C. Miller, 2456 Seminary Ave., Oakland.
COST, \$1600

DWELLING
(1693) W FIFTY-EIGHTH AVE 360 S

Taylor, Oakland. One-story 5-room dwelling.
Owner.....H. C. Smith, Humboldt Bk. Bldg., San Francisco.

Architect...None.
Contractor...H. C. Miller, 2456 Seminary Ave., Oakland.

COST, \$1600

DWELLING
(1694) SW TAYLOR AND FIFTY-eighth Ave., Oakland. One-story 5-room dwelling.

Owner.....H. C. Smith, Humboldt Bk. Bldg., San Francisco.

Architect...None.
Contractor...H. C. Miller, 2456 Seminary Ave., Oakland.

COST, \$1600

DWELLING
(1685) NE BROOKDALE AND LILAC, Oakland. One-story 7-room dwelling.

Owner.....E. C. Jeffreys, 1707 Broadway, Oakland.

Architect...None.
Contractor...J. L. Coburn, 5017 E-14th, Oakland.

COST, \$2250

FOUNDATIONS

(1708) N HOBART 182 E Grove E 91 x N 100, Oakland. Excavation, concrete work, dampproofing, build forms and supply bolts for foundations.

Owner.....Roman Catholic Archbishop of S. F., 1100 Franklin, San Francisco.

Architect...Shea & Lofquist, 742 Market, San Francisco.

Contractor...F. E. Nelson, 3090 King, Berkeley.

Filed July 12, '16. Dated July 11, '16.

Excavation and forms completed 25%
Completed 50%

30 days after..... 25%
TOTAL COST, \$1375

Bond, limit, forfeit, none. Plans and specifications, none.

DWELLING

(1709) S FIFTY-THIRD 376.24 E San Pablo Ave E 40 S 132.22 W 40 N 131.21, Oakland. All work for one-story dwelling.

Owner.....D. A. and Ida S. Catford, 1065 53rd, Oakland.

Architect...None.

Contractor...Franklin H. Locke, Okd. Filed July 12, '16. Dated Mar. 10, 1911.

Agreement signed\$300

Completed and accepted..... 25

\$25 each month with 7% interest until paid
TOTAL COST, \$3050

Bond, limit, forfeit, none. Plans and specifications filed.

NOTE:—\$3050 includes lot also, dwelling to cost \$1850.

ELECTRIC SIGN

(1710) SW ELEVENTH & FRANKlin, Oakland. Electric sign.

Owner.....Turner & Dahnen.

Architect...None.

Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco.

COST, \$600

DWELLING

(1711) W HIGH 260 S Carrington, Oakland. One-story 4-room dwlg.

Owner.....B. Valieno, 1243 39th Ave., Oakland.

Architect...None.

Contractor...N. W. Getty, 1965 41st Ave., Oakland.

COST, \$1150

DWELLING

(1712) E FRED A LANE 100 N 66th, Oakland. One and one-half-story 6-room dwelling.

Owner.....R. Michel, 1092 66th, Okd.

Architect...None.

Day's work. COST, \$1600

DWELLING

(1713) E COLLEGE AVE 422 N Bryant Ave., Oakland. Two-story 7-room store and dwelling.

Owner.....E. Portal, 5457 Claremont Ave., Oakland.

Architect...None.

Contractor...O. Legault, 3136 West, Oakland.

COST, \$2000

DWELLING

(1714) W SAN PABLO AVE 125 S County Line, Albany. One and one-half-story 7-room dwelling.

Owner.....John Westman, 103 Manchella Ave., Richmond.

Architect...None.

Contractor...A. Fagerstrom, Richmond.

COST, \$2000

FRAME DWELLING

(1717) LOTS 9 AND 10 BLK "B," Lincoln Park, Piedmont. All work for two-story frame dwelling.

Owner.....F. C. Nebeker.

Architect...None.

Contractor...Geo. W. Nunes, 5430 Dover, Oakland.

Filed July 13, '16. Dated July 12, '16.

Frame up 1/4

Brown coated 1/4

Completed 1/4

Usual 35 days..... 1/4

TOTAL COST, \$1862

Bond, none. Limit, 80 days. Forfeit, \$3. Plans and specifications filed.

ADDITION

(1719) ALVARADO ROAD, Oakland. Add to conservatory.

Owner.....H. H. Hart, Premises.

Architect...Arthur S. Bugbee, 1684 Washington, S. F.

Day's work. COST, \$5000

SHED

(1720) E MAGNOLIA, bet. 24th and 25th, Oakland. Shed.

Owner.....Joe. Martin, 2241 Valley, Oakland.

Architect...None.

Day's work. COST, \$1000

BUNK HOUSE

(1721) E MAGNOLIA, bet. 24th and 26th, Oakland. Two-story bunk house

Owner.....Joe. Martin, 2241 Valley, Oakland.

Architect...None.

Day's work. COST, \$1000

DWELLING

(1722) N KANNING 95 W 39th Ave., Oakland. One-story 2-room dwlg.

Owner.....H. Nethkin, 3544 Porter, Oakland.

Architect...None.

Day's work. COST, \$400

DWELLING

(1723) W THIRTY-NINTH AVE 52 N Kanning, Oakland. One-story 4-room dwelling.

Owner.....H. Nethkin, 3544 Porter, Oakland.

Architect...None.

Day's work. COST, \$900

DWELLING

(1724) E GROVE 100 S 45th, Oakland. One-story 4-room dwelling.

Owner.....V. A. Dunn, Bacon Bldg., Oakland.

Architect...None.

Contractor...H. Nethkin, 3544 Porter, Oakland.

COST, \$1100

DWELLING

(1725) E GROVE 126 S 45th, Oakland. One-story 4-room dwelling.

Owner.....V. A. Dunn, Bacon Bldg., Oakland.

Architect...None.

Contractor...H. Nethkin, 3544 Porter, Oakland.

COST, \$1100

ALTERATION

(1726) NO. 3271 GROVE, Oakland. Alter dwelling.

Owner.....J. Russo, Premises.

Architect...A. W. Smith, 1010 Broadway, Oakland.

Contractor...J. C. Nielsen, 849 Athens Ave., Oakland.

COST, \$1857

BRICK GARAGE

(1727) E BROOK 200 S Broadway, Oakland. One-story brick garage.

Owner.....M. F. Smith, 579 31th, Okd.

Architect...Newsom & Newsom, 1748 Broadway, Oakland.

Day's work. COST, \$6500

DWELLING

(1728) E SANTA RAY 166 S Viona, Oakland. Two-story 7-room dwlg.

Owner.....W. E. Boyd, 4175 Park Blvd, Oakland.

Architect...None.

Day's work. COST, \$3000

DWELLING

(1729) E TWENTY-THIRD AVE 200 N E-30th, Oakland. One-story five-room dwelling.

Owner.....Alfred D. Darling.

Architect...None.

Day's work. COST, \$1700

DWELLING

(1730) N BROOKDALE 252 W 55th Ave., Oakland. One-story 5-room dwelling.

Owner.....Thos. Morehouse.

Architect...None.

Contractor...A. F. Eliel, 1433 Franklin, Oakland.

COST, \$2265

(1732) W GROVE 38.80 S Thirty-third 40x116.56, Oakland. All work for raising flats and building store underneath.

Owner.....J. A. and F. Russo, 3271 Grove, Oakland.

Architect...A. W. Smith, 1010 Broadway, Oakland.

Contractor...J. C. Nielsen, 849 Athens Ave., Oakland.

Filed July 14, '16. Dated —.

Frame up\$450.00

Brown coated 450.00

Completed and accepted..... 475.00

Usual 35 days..... 481.60

TOTAL COST, \$1856.60

Bond, \$928. Surety, Massachusetts Bonding & Insurance Co. Limit, Sept. 30. Forfeit, \$1. Plans and specifications filed.

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Am't.
1665	Bkly Dispensing.....	Nelson	6885
1668	Douglas.....	Douglas	3500
1670	Davidson.....	Warren	1563
1671	Shuey.....	Janson	2505
1681	Shuey.....	Sorenson	11520
1682	Hanson.....	Furman	400
1683	Oman.....	Creagmille	400
1684	Gutterson.....	Mason	1400
1685	McNaughton.....	Mason	1500
1702	Hewitt.....	Richmond	2975
1703	Rother.....	Kollmer	5200
1704	Larmer.....	Larmer	2000
1705	Un't'r Bldrs.....	Haynes	2000
1706	Hebbard.....	Spitler	3000
1707	Spitler.....	Spitler	5000
1715	Geoglugan.....	Lockhart	400
1716	Fish.....	Ernsberger	6300
1721	Kauffman.....	Bischoff	6000

FRAME DISPENSARY

(1665) SE UNIVERSITY AVE AND Sixth 100x100, Berkeley. All work for one-story frame dispensary. Owner.....The Berkeley Dispensary. Architect...Charles H. Cheney, Crocker Bldg., San Francisco. Contractor...H. P. Nelson, 2241 Grove, Berkeley.

Filed July 8, '16. Dated July 1, '16. Monthly payments of.....75% Usual 35 days.....25% TOTAL COST, \$6885 Bond, none. Limit, 90 days from July 1. Forfeit, \$10 a day. Plans and specifications filed.

DWELLING

(1665) S SANTA BARBARA 200 W Spruce, Berkeley. Two-story 6-room dwelling. Owner.....E. C. Douglas, Cortez and Easton, Burlingame. Architect...S. B. and Noble Newsom, Nevada Bank Bldg., S. F. Day's work. COST, \$3500

BRICK STORES

(1670) S BANCROFT WAY 450 E Dana being Lot 10 Bk 1, Beaver Tract, Berkeley. Carpenter and mill work for one-story brick and steel stores. Owner.....N. R. Davidson, 2519 College Ave., Berkeley. Architect...James W. Plachek, Acheson Bldg., Berkeley. Contractor...C. H. Warren, 2200 Atherton, Berkeley.

Filed July 10, '16. Dated July 3, '16. Roof frame completed.....\$300 Ready for finish.....600 Completed and accepted.....300 Usual 35 days.....363 TOTAL COST, \$1563 Bond, \$1563. Surety, Hartford Accident & Indemnity Co. Limit, as soon as possible. Forfeit, \$10 per day. Plans and specifications, none.

(1671) STEEL WORK ON ABOVE.

Contractor...Janson Iron Works, 6408 San Pablo Ave., Oakland. Filed July 10 '16. Dated July 3, '16. Completed and accepted.....\$1900 Usual 35 days.....605 TOTAL COST, \$2505 Bond, \$1252.50. Surety, London & Lancashire Indemnity Co. Limit, 20 days. Forfeit none. Plans and specifications none.

BRICK CREAMERY

(1681) E TELEGRAPH AVE 93-1 S Stuart S 46-6 E 150 th at L 44-10 W to pt beg, Berkeley. All work for one-story brick creamery. Owner.....Shuey Creamery Co., Stuart near Telegraph, Okd

Architect...James W. Plachek, Acheson Bldg., Berkeley. Contractor...Walter Sorenson, 3219 Ellis, Berkeley.

Filed July 10, '16. Dated July 9, '16. On 1st of each month.....75% Usual 35 days.....25% TOTAL COST, \$11,520 Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications, none.

ALTERATIONS

(1682) NO. 1414 KAINS AVE., Berkeley. Alterations. Owner.....Miss Marie Hanson, S. F. Architect...None. Contractor...M. F. Furman, 1610 Kains Ave., Berkeley. COST, \$400

REPAIRS

(1683) NO. 2224 CARLTON, Berkeley. Fire repairs. Owner.....Mrs. Oman, Premises. Architect...None. Contractor...J. C. Creagmille. COST, \$1060

GARAGE

(1684) NO. 2922 GARBER, Berkeley. Garage. Owner.....H. H. Gutterson, Premises. Architect...None. Contractor...Mason-McDuffie Co., Shattuck Ave. and Addison, Berkeley. COST, \$400

DWELLING

(1685) S DELAWARE 145 W Short, Berkeley. One-story 5-room dwlg. Owner.....W. H. McNaughton, 2328 Fulton, Berkeley. Architect...None. Contractor...Mason-McDuffie Co., Shattuck Ave. and Addison, Berkeley. COST, \$1500

DWELLING

(1702) W DEAKIN 45 N Woolsey, Berkeley. One-story 5-room dwelling. Owner.....E. and L. Hewitt, Oakland. Architect...None. Contractor...S. Richmond, 2229 Carlton, Berkeley. COST, \$2975

DWELLING

(1703) NO. 840 CONTRA COSTA AVE., Berkeley. Two-story 8-room dwlg. Owner.....Rother & Wolbold, 2108 Center, Berkeley. Architect...None. Contractor...Jacob Kollmer, 2813 Stuart Berkeley. COST, \$5200

DWELLING

(1704) S DERBY 200 E Ellsworth, Berkeley. One-story 5-room dwlg. Owner.....Edw. Larmer, 470 Boulevard Way, Oakland. Architect...None. Day's work. COST, \$2000

DWELLING

(1705) NO. 3046 Lee, Berkeley. One-story 5-room dwelling. Owner.....United Home Bldrs., 1762 Broadway, Oakland. Architect...None. Contractor...W. A. Haynes, 5712 Oak Grove Ave., Oakland. COST, \$2000

DWELLING

(1706) E CONTRA COSTA ROAD 300 S Indian Rock Path, Berkeley. One-story 6-room dwelling. Owner.....M. E. Hebbard, 912 Mendocino, Berkeley. Architect...None. Contractor...E. B. Spitler, 815 Oxford, Berkeley. COST, \$3000

DWELLING

(1707) E MENDOCINO 400 S Indian Rock Path, Berkeley. Two-story 9-room dwelling. Owner.....E. B. Spitler, 815 Oxford, Berkeley. Architect...None. Day's work. COST, \$5000

REPAIRS

(1715) NO. 1736 BERKELEY WAY, Berkeley. Repairs. Owner.....Virginia D. Geoglugan. Architect...None. Contractor...Wesley Lockhart, 1911 Ashby Ave., Berkeley. COST, \$400

DWELLING

(1716) W MENDOCINO ROAD 50 N Circle, Berkeley. Two-story 9-room dwelling. Owner.....Roy Fish. Architect...Chester H. Miller, First Savings Bank Bldg., Okd. Contractor...Frank A. Ernsberger, 6245 College Ave., Oakland. COST, \$6300

DWELLING

(1718) THOUSAND OAKS, Berkeley. Two-story 7-room dwelling. Owner.....Frank Spring, Nottingham Ave E of Arlington, Bkly. Architect...S. B. & Noble Newsom, Nevada Bank Bldg., S. F. Day's work. COST, \$5000 NOTE:—Frame ls up.

DWELLING

(1731) S THE UPLANDS 221.86 E Claremont Ave., Berkeley. Two-story 10-room dwelling. Owner.....F. A. Kauffman, 2746 College Ave., Berkeley. Architect...None. Contractor...John A. Bischoff, 6045 Harwood Ave., Oakland. COST, \$6000

Building Contracts Awarded

Alameda

No.	Owner	Contractor	Am't.
1696	Roth.....	Roth	3000
1697	Stecone.....	Perona	3650
1698	Smith.....	Cummings	400
1699	Smith.....	Cummings	400
1700	Haynes.....	Richards	417
1701	Knowland.....	MacRae	400
1733	Haynes.....	Richards	417

DWELLING

(1696) NO. 2423 CLEMENT AVE., Alameda. Two-story 6-room dwelling. Owner.....Conrad Roth, 2117 Pacific Ave., Alameda. Architect...None. Day's work. COST, \$3000

DWELLING

(1697) SW SECOND AND PACIFIC Ave., Alameda. One-story 6-room dwelling.

Owner.....P. Steccone, 5 Pacific Ave.,
Alameda.
Architect...None.
Contractor...J. Perona, 568 7th, Oakland
COST, \$365.00

ALTERATIONS

(1698) NO. 1221 PARK, Alameda
Alterations.
Owner.....R. H. Smith, Santa Cruz.
Architect...None.
Contractor...E. W. Cummings, 2304
Clinton Ave., Alameda.
COST, \$400

ALTERATIONS

(1699) NO. 1223 PARK, Alameda.
Alterations.
Owner.....R. H. Smith, Santa Cruz.
Architect...None.
Contractor...E. W. Cummings, 2304
Clinton Ave., Alameda.
COST, \$400

ADDITION

(1700) NO. 1521 MORTON, Alameda.
Addition.
Owner.....W. E. Haynes, Premises.
Architect...None.
Contractor...L. Richards, 1514 Bay,
Alameda.
COST, \$417

ALTERATIONS

(1701) NO. 717 FARU, Alameda. Al-
terations.
Owner.....Mrs. J. R. Knowland, Prem.
Architect...None.
Contractor...C. MacRae, 2315 Encinal
Ave., Alameda.
COST, \$400

REPAIRS

(1733) W. MORTON 150 N Santa Clara
Ave, being No. 1521 Morton, Alameda.
All work for repairs and addition to
dwelling.
Owner.....William E. and Alice
Haynes, 1521 Morton, Ala.
Architect...None.
Contractor...L. D. Richards, 1614 Bay,
Alameda.
Filed July 14, '16. Dated July 8, '16.
House moved and on new founda-
tion\$100.00
Plastered150.00
30 days after167.50
TOTAL COST, \$417.50
Bond, none. Limit, 18 days after July
10. Forfeit, none. Plans and specifi-
cations filed.

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

July 7, 1916—E SHATTUCK AVE
46.11 S Addison S 41 E 142 N 40 W
125.21, Bkly. Danregg Land Co
as to improvements on leased prop-
erty

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED
July 1, 1916—NEXT DOOR S of No.
1009 Grand Ave, Okd. R E Stubbe
to whom it may concern. June 15, '16
July 1, 1916—LOT (31) E, Claremont
Tract, Bkly. J Rollin Fitch to
Joseph F Rogers.....June 20, 1916

July 1, 1916—LOT 21 BLK 4 Key
Route Terrace Tract 35x110, Albany
E N Bertheaud to whom it may
concern.....July 1, 1916
July 1, 1916—S 15 LOT 123 and N
20 Lot 126, Terminal Junction Tet,
Albany. I Ariel Kellogg to whom
it may concern.....July 1, 1916
July 1, 1916—SE COLUSA & TACOMA
50x92, Oakland Tp. C A Davis to
whom it may concern. June 20, 1916
July 3, 1916—N ROSE, being Ptn Lot 2
Blk 1 Amended Map Hopkins Ter-
race Map No. 4, Bkly. F A McCall
to Samuel Clark.....June 30, 1916
July 3, 1916—E FOURTH AVE 100
N E-15th 45x100, Oke. J Brince-
field to Carl A Hejine.....June 5, 1916
July 5, 1916—S TAYLOR AVE 333-7
W Webster W 31-3xS 141-6, Ala.
Giuseppe Pucel to Wetzel & Jones
.....July 1, 1916
July 6, 1916—LOT 3 BLK "E" Map
Mastick Park, Alameda. C C Adams
to whom it may concern. July 5, 1916
July 6, 1916—LOT 9 BLK 5 Berkeley
Square, Bkly. R H Marrenner to
L S Lewis.....July 5, 1916
July 6, 1916—W SEVENTY-FIFTH
AVE 100 S Rudsdale S 50xW 200,
Okd. T L Spanggaard to whom it
may concern.....July 3, 1916
July 7, 1916—LOT 98 Map Nova Pied-
mont, Piedmont. Harry Schwalm
and Lillian Neudeck to whom it
may concern.....July 6, 1916
July 7, 1916—S KITTREDGE, bet.
Shattuck Ave and Milvia, Lot 16
and Ptn Lot 15 Shattuck Hotel Tet
60x128.64, Bkdy. C A Muller to
John A Kuivala.....June 2, 1916
July 8, 1916—LOT 92 Map Fourth Ave
Ext, Okd. Frank M Carr to C E
Burks.....July 6, 1916
July 8, 1916—LOT 21 BLK "E" Fourth
Ave Terrace, Okd. Carl E Ander-
son to Harry C Knight.....July 7, 1916
July 10, 1916—S FORTY-FIRST 100
W Howe, Okd. Elbridge S Fenton
to Jones & McGovern.....July 6, 1916
July 10, 1916—LOT 1 Map Nova Pied-
mont, Piedmont. Alfred Cords to
whom it may concern.....July 10, 1916
July 11, 1916—N PARK BLVD 370 W
Brighton Ave, being Lot 32 Bkly "C"
4th Ave Terrace, Okd. James Mc-
Guinness to whom it may concern
.....July 6, 1916
July 11, 1916—LOT 17 BLK 4 Hotel
Claremont Tract, Bkly. Ada L
Gompertz to A Carlson.....July 6, 1916
July 11, 1916—S GREENBANK AVE
264.1 W Oakland Ave, being ptn
Lots 10 and 14 Blk "E" Map Lincoln
Park, Piedmont. Louis Johnson
to whom it may concern.....July 8, 1916
July 11, 1916—LOT 18 BLK 8, Shaw
Tract, Bkly. Percival F Morris to
F W Thaxter.....July 1, 1916
July 12, 1916—LOT 158 Piedmont-by-
the-Lake Addition to City of Oak-
land, Okd. C J Seemann to H M
Swalley and E A Spencer.....July 3, 1916
July 13, 1916—LOT 17 BLK 5 Map
Melrose Heights Tract, Okd. Wm
H Sims to whom it may concern.....
.....July 13, 1916
July 13, 1916—LOT 19 BLK 5 Map
Melrose Heights Tract, Okd. Wm
H Sims to whom it may concern.....
.....July 13, 1916
July 13, 1916—LOTS 8 TO 24 and Ptn
Lots 4, 5, 6, 7 and 25 to 32, R J
McMullens Sbdvn Blk 676, City of
Oakland. Pacific Coast Shredded
Wheat Co to Ne Page-McKenney Co
.....June 28, 1916

LIENS FILED

ALAMEDA COUNTY.

July 1, 1916—Lot 13 Blk "J." Map
Northbrae Terrace, Bkly. Mark W
Anthony and Chas W Heyer Jr (as
Anthony & Heyer) vs E D Wood-
ward and Margaret Woodward.....
.....\$46.20
July 3, 1916—LOTS 4 AND 5 BLK 850,
Map Sunset Tet, Okd. G R Webber
vs True B Durbrown.....\$66.65
July 3, 1916—W BRYON 100 S Addi-
son S 40xW 120, Bkly. E K Wood
Lumber Co vs Teresa A and Gene-
vieve Brennan & R H Martin.....\$157.30
July 5, 1916—PALM BEACH, bounded
on N by Central Ave; E by Wash-
ington Park; S by Bay of S. F.;
W by imaginary line running in
S direction, which would be a con-
tinuation of W line Page street, if
extended S, Alameda. Frank A
Gotstein vs Geo I Lamy.....\$93.75
July 7, 1916—LOTS 2 AND 4 BLK "T"
Excelsior Heights Tet, Okd. Carl
A Bellefontaine vs Walter Packard
.....\$48
July 7, 1916 S CENTRAL AVE 423-5
W Webster E 152-1 SW to S bndry
line land described in patent made
by U. S. to Antonio Maria Peralta
W to pt 51 deg 35 min W pt beg,
NE to pt beg, Alameda. J A Alex-
ander, \$17.50; B D Uncapher, \$17.50;
John Davidson, \$17.50; A G Perger-
son, \$16.50; Herbert Maples, \$17.50;
C L Douglass, \$14; N P Lundberg,
\$17.50; A Wilson, \$12.50; J A White,
\$17.50 vs Surf Beach Amusement Co
and A T Spence.....
July 8, 1916—W THOMAS 180 S Pros-
pect Drive S 40xW 100, Okd. C R
Cox and Lee Salih (Built-in Fix-
ture Co) vs Walter H Packard...\$25
July 8, 1916—N 20 LOT 25 and S 20
Lot 26 Blk "E" Map Broadway Ter-
race, Okd. John P Maxwell (Max-
well Hardware Co) vs Walter H
Packard\$63.04
July 8, 1916—LOT 18 BLK 1 Map
Brookdale Terrace, Okd. Strable
Mfg Co vs W H Little, J E Settles,
H Tabel and Robert Davies.....\$30.93
July 10 1916—LOT 15 BLK 2112 Alden
Tract at Temescal, being No. 4627
Grove St, Okd. J E Breitwiser vs
Yosemite Laundry Co.....\$738.50
July 10, 1916—NW THOMAS 180 SW
Prospect Ave SW 40xNW 100, Okd.
Inland Floor Co vs Walter H Pack-
ard\$39.00
July 10, 1916—LOT 47 BLK 2 Map
Grove Line Tract, Bkly. Inland
Floor Co vs Minnie M Ruens and
Myrtle M Doyle and Walter H
Packard\$30
July 11, 1916—PTN LOT 2 BLK 1,
Amended Map Hopkins Terrace No.
4, Bkly. Sunset Hardware Co vs
F A McCall and Samuel Clark.....\$167.70
July 12, 1916—PTN LOT 2 BLK 1
Amended Map Hopkins Terrace,
Bkly. F W Foss Co vs F A McCall,
Samuel Clark and William John-
ston\$150.21
July 13, 1916—PTN LOT 2 BLK 1
Amended Map Hopkins Terrace,
Bkly. Contra Costa Bldg Material
Co vs F A McCall, Samuel Clark
and R Law.....\$75.87
July 12, 1916—S 50 LOT 20 BLK "X"
Map No. 3, Bkly. Contra Costa
Building Material Co vs W H and
Amelia Moore\$22
July 13, 1916—PTN LOT 2 BLK
Amended Map Hopkins Terrace,

Berkeley. Redwood Mfg Co vs Sam Clark, F A McCall and Realty Finance & Development Co., \$265.02
 July 13, 1916—S "E" 40.01 E 86th Ave 35x117, Okd. R F Long vs E C Venn, H L Grove, John Doe, Richard Roe, Mary Jane, Black & White Co.....\$55
 July 13, 1916—PTN LOT 2 BLK 1 27.01 Lot 3 Map A. J. Snyder's Piedmont Terrace-by-the-Lake, Okd. Sunset Lumber Co vs R E and Leda Y Stubbe\$1162.19
 July 14, 1916—NO. 1005 GRAND AVE, being S 12.71 Lot 2 and N 27.04 Lot 3 Blk 835 Map Piedmont Terrace-by-the-Lake, Oakland, Bird-Rymer Co., \$75; A H Bar (Bar Mercantile Co.), \$60.38 vs R E Stubbe.....
 July 14, 1916—W RAND AVE 59.90 N Wickson Ave S 59.90 W 58.37 N 60 E \$4.28, Okd. Sunset Lumber Co vs James Coakley and R E Stubbe\$50.35
 July 14, 1916—LOT 8 BLK 7 Map Redshvn Blks 9, 10, 11, 12, 13, 14 and Ptn 16, Rockridge Terrace, Okd. H Brownlow Shephard and S G Whittelsey (Shepherd & Whittelsey) vs Oakland Investment Co.....\$188

BUILDING FIGURES SHOW INCREASE FOR JUNE.

OAKLAND SUMMARY.

Classification of Buildings	No. of Permits	Costs
1-story dwellings.....	79	\$138,250.00
1½-story dwellings.....	3	7,100.00
2-story dwellings.....	12	50,000.00
2-story apartments.....	4	40,700.00
1-story stores.....	1	4,900.00
1-st gymnasium annex	1	11,000.00
1-st mill con. factory.	1	9,000.00
2-st store room bldg.	1	4,000.00
2-story brick veneered dwelling	1	15,000.00
2-story hospital.....	1	33,000.00
1-story store building.	1	20,000.00
1-story garages.....	2	27,750.00
Reinforced concrete boiler house.....	1	10,000.00
Reinforced concrete water tank.....	1	2,000.00
Concrete garage.....	1	400.00
Blacksmith shop.....	1	1,500.00
1-story warehouse.....	1	500.00
Timekeeper's office.....	1	500.00
Boiler rooms.....	3	2,555.00
Garages, sheds and stables	35	5,909.00
Work shops & barns.....	3	4,075.00
Electric signs.....	10	1,940.00
Additions	30	12,329.00
Alterations & repairs.....	78	20,785.00

Total 272 \$123,193.00

SUMMARY.

New construction.....	194	\$402,408.00
Alterations & repairs.....	78	20,785.00
Total	272	\$123,193.00
June, 1915, Total.....	265	395,474.50
Increase	7	\$ 27,718.50
Total for January to June, Inclusive, 1916, 1762 permits; value, \$3,041,502.		
Total for January to June, inclusive, 1915, 1484 permits; value, \$2,396,078.75.		
Increase over 1915, 218 permits; value, \$644,524.25.		

BERKELEY SUMMARY.

June, 1916.....	\$254.475
June, 1915.....	214.165

Increase over June 1915.....\$ 40,010
 Total for January to June, 1916, inclusive, \$987,305.

**PIERCE-BOSQUIT
Abstract & Title Co.**

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

**SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET**

Total for January to June 1915, inclusive, \$986,100.
 Increase over, 1915, \$7,205.

ALAMEDA SUMMARY.

June, 1916.....	\$50,952
June, 1915.....	30,395

Increase over June, 1915.....\$20,557
 Total for January to June, 1916, inclusive, \$358,737.

Total for January to June 1915, inclusive, \$171,276.
 Increase over, 1915, \$187,461.

SAN JOSE AND THE SANTA CLARA VALLEY

CULVERTS, ETC.—Cost not stated. Burlingame, San Mateo Co., Cal. Engineer, Town Engineer, Burlingame. Owners, Town of Burlingame. At the last meeting of the City Trustees, plans and specifications were adopted for the improvement of Elm avenue where a culvert and gutter are required and are to be built jointly by this city, Hillsborough and the county. The same action was taken on the plans and specifications for the construction of a storm sewer along Burlingame Creek. Bids will be called for within the next few days on this work.

STREET IMPROVEMENTS—Cost not stated. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Bids will be opened on July 25th for street improvements authorized under the following resolutions: That High street, between Storey and Spring street, be graded, paved and curbed, and otherwise be improved by the construction of two reinforced concrete retaining walls. Wall No. 1—96 cubic yards reinforced concrete; wall No. 2—264.5 cubic yards reinforced concrete. All steel for reinforcement shall be square twisted steel bars of sizes and dimensions shown on plans.

RESIDENCE—2 story and base, frame. Cost not stated. Mayfield, Santa Clara Co., Cal. Architect, Henry Shermund, Mills Bldg., S. F. Owner, D. O. Lively. Location, Lincoln avenue. Will contain six rooms, bath and sleeping porches. Plans complete and contract to be awarded shortly.

HIGHWAY IMPROVEMENTS—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San



LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jet, Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:30A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jet, Marysville, Colusa Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
 Red Line Trans. Co., S. F.; People's Express Co., Oakland.

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train service between Bay Cities and points in the Sacramento Valley.

Thru beautiful Redwood Canyon and Mt. Diablo country.

Write for illustrated folder and time table.

Oakland, Antioch & Eastern Railway

L. H. RODEBAUGH
 Traffic Manager
 Oakland, - Cal.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 3731.

Mateo County. The County Supervisors at their last meeting approved the plans prepared by Surveyor Neuman for macadamizing the shoulders on a portion of the Redwood-San Gregorio road from the Menlo Country Club to Neuman Bros.' store at Woodside, and bids on the work were ordered received up to August 7th. The same action was taken on the plans and specifications for oiling and screening the San Gregorio Creek road for a distance of 7.43 miles. Bids on this work were also ordered received up to August 7th. Plans and full information may be had from the County Clerk at Redwood City.

STREET PAVING, ETC.—Cost not stated. Salinas, Monterey Co., Cal. Engineer, City Engineer, Salinas. Owners, City of Salinas. Bids will be opened on August 7th at 8 p. m. for grading the roadway of Front street, from Alisal street to Summer street, and constructing thereon a hydraulic cement concrete base, with a two-course asphalt and screening surface, with concrete curbs along both sides of the roadway. Also grading the roadway of Gavilan street, from Monterey street to California street, and constructing thereon a hydraulic cement concrete base with a two-course asphalt and screening surface, with concrete curbs along both sides of the roadway.

RICE MILL—2 and 4 story, mill construction, \$18,000. South San Francisco, San Mateo Co., Cal. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, Growers' Rice Milling Corporation. Contractor, Val Franz & Son, 180 Jessie street, S. F., general construction, \$13,700. Lamburth, piling \$3,500. Special machinery to be let later by owners.

Contracts Awarded.

STREET IMPROVEMENT—\$2,880. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Contractors, A. J. Ralsch Improvement Co., Crocker Bldg., S. F. Contract price, \$2,880.

ROAD IMPROVEMENT—\$2,810. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Salinas. Owners, Monterey County. Contractors, Kunze & Haggard, Salinas. Contract price, \$2,810.

JAIL EQUIPMENT—\$17,604. Redwood City, San Mateo Co., Cal. Architect, Will H. Toepeke, 46 Kearny street, S. F. Owners, San Mateo County. Contractors, Pauly Jail Co., S. F. Contract price, \$17,604.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

PUMP WORK

STANFORD CAMPUS, Palo Alto. All work for pump for women's bath house.

Owner.....Trustees Leland Stanford Jr. University, Insurance Exchange Bldg., S. F.
Engineers...Hunter & Hudson, Rialto Bldg., San Francisco.
Contractor...C. F. Braun Co., 502 Market, San Francisco.

Filed July 12, '16. Dated June 21, '16.
On delivery of pump..... 75%
Usual 35 days..... 25%

TOTAL COST, \$520

Bond, none. Limit, 75 days from date.
Forfeit, \$10 per day. Specifications only filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

CONCRETE JAIL

EASTERLY SIDE WEBSTER STREET, north of Broadway, Redwood City. All work for two-story reinforced concrete jail building.

Owner.....County of San Mateo.
Architect...W. H. Toepeke, 46 Kearny, San Francisco.

Contractor...Newsom & Henning, Sharon Bldg., San Francisco.
Filed June 29, '16. Dated June 19, '16.

Payments not given.....

TOTAL COST, \$43,563

Bond, \$21,782. Surety, United States Fidelity & Guaranty Co. Limit, Dec. 15, 1916. Forfeit, \$10. Plans and specifications.

FRAME COTTAGE

BLK 37 LOT 10 Easton Addition No. 2 to Burlingame, Burlingame. All work for two-story 7-room frame cottage.

Owner.....Frank Koenig, 133 Geary, San Francisco.

Architect...C. H. Bessett, 343 29th Ave, San Francisco.

Contractor...C. H. Bessett, 343 29th Ave, San Francisco.

Filed July 10, '16. Dated June 19, '16.

When framed\$812.50

When plastered 812.50

When completed 812.50

Usual 35 days..... 812.50

TOTAL COST, \$3250.00

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

WAREHOUSE, ETC.

NE PTN LOT 29 SEC 22 TWP 3 RANGE 5 W., U. S. survey, South San Francisco. Piling, cutting, driving and

excavation and pumping necessary for pile foundation for galvanized iron warehouse and mill building.

Owner.....J. L. Hoffman, George D. Mengola, 946 Folsom, S. F.; Benjamin Kraus, 204 Sacramento, S. F.; and Roy P. Cohn, Care Crown Willamette Paper Co., 310 Sansome, San Francisco.

Architect...O'Brien Bros., Inc., 240 Montgomery, S. F.

Contractor...C. E. Lamburth, 118 Capp St., San Francisco.

Filed July 10, '16. Dated July 8, '16.

50% work completed..... 37½%

When completed 37½%

Usual 35 days..... 25 %

TOTAL COST, 37.7c per foot for 50 foot piles; 10c reduction for all piles per foot, less than 50 ft.

Bond, none. Limit, 20 days after 10th day of July. Forfeit, \$10 per day.

Plans and specifications filed.

FRAME HOUSE

LOT 10 BLK 1 Burlingame Terrace, Burlingame. All work for one-story frame house.

Owner.....J. R. Alexander, 2802 Bush San Francisco.

Architect...None.

Contractor...Croop & Keegan, San Mateo, Cal.

Filed July 16, '16. Dated July 1, '16.

When framed ¼

When plastered ¼

5 days after completion..... ¼

Usual 35 days..... ¼

TOTAL COST, \$2068

Bond, \$1034. Sureties, W. T. Croop and M. E. Boland. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

BLK 3 LOT "A" Map No. 2, Burlingame Land Co., Burlingame. All work except plumbing, tinning and sheet metal work for one-story reinforced concrete and frame residence with cellar.

Owner.....Kate F. Schrader, S. F.

Architect...Thos. M. Edwards and Ernest L. Norberg, 1110

Phelan Bldg., S. F.

Contractor...Chris Larsen and George Larsen, 1132 Rhinette St., Burlingame.

Filed July 14, '16. Dated July 10, '16.

Concrete poured\$1491.25

Plastering completed 1491.25

When accepted 1491.25

Usual 35 days..... 1491.25

TOTAL COST, \$5965.00

Bond, \$2982.50. Surety, London & Lancashire Indemnity Co. of America.

Limit, 90 days. Forfeit, \$5 per day.

Plans and specifications filed.

FRAME RESIDENCE

PTN LOT 1 BLK 3, RANGE "C", Town of Redwood City. All work for frame residence.

Owner.....P. A. Ryan, Redwood City.

Architect...Leo. J. Devlin, Pacific Bldg., San Francisco.

Contractor...John Daly, 120 Warwick, Redwood City and D. MacKenzie, 204 Franklin, Redwood City.

Filed July 11, '16. Dated July 3, '16.

Frame up\$1000

Brown plastered 1000

Ready for painters' work..... 1000

Completed and accepted..... 828

Usual 35 days..... 1276

TOTAL COST, \$5104

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

Bond, \$2552. Sureties, James Wisnom and F. H. Mighall. Limit, 30 days. Forfeit, \$3 per day. Plans and specifications filed.

FRAME WAREHOUSE

NE PTN LOT 29 SEC 22 TWP 3 S R 5 W. U. S. Survey of State of California, South San Francisco. Reinforcing, tile, iron and steel, joinery, glazing, hardware, electric light wiring, thinning, galvanized iron work roofing, painting, plumbing, gas fitting and sewerage for frame warehouse and mill building.

Owner.....I. L. Hoffman, George D. Mengola, 946 Folsom, S. F.; Benjamin Kraus, 204 Sacramento, S. F.; and Roy P. Sohen, Cr. Crown Willamette Paper Co., 310 Sansome, San Francisco.

Architect...O'Brien Bros., Inc., 240 Montgomery, S. F.

Contractor...Val Franz & Son, 185 Stevenson, S. F.

Filed July 11, '16. Dated July 11, '16. On 1st and 15th of each month. 75% Usual 25 days..... 25% TOTAL COST, \$12,700 Bond, none. Limit, 40 days. Forfeit, \$10. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED July 5, 1916—LOT 32 BLK 14, Empire Subvn Cook & Branham Addition, San Jose. Salvatore Oliveri to E CampisiJuly 1, 1916

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED July 11, 1916—LOT 23 BLK 21, Daly City. Wm F Dreyer to whom it may concern.....July 8, 1916 July 13, 1916—SANTA CRUZ AVE, Hillsborough. Mary Elizabeth Williams to C Pedersen.....July 11, 1916 July 13, 1916—LOT 4 and Easterly 5 feet Lot 5 Blk 2 Sub of Lots 32 and 35, San Mateo Park, San Mateo John Duffield to whom it may concernJuly 7, 1916 July 13, 1916—LOT 8 BLK 1 Sub Lots 32 and 35, San Mateo Park, San Mateo. John Duffield to whom it may concern.....July 13, 1916 June 13, 1916—LOT 27 BLK —, Hayward Park, San Mateo. A Wm Grant to Croop & Keegan.....May 26, '16 June 19, 1916—ACCACIA AND WALbridge Sts., Visitation Valley, Diamond Tract. Geo W Stone to whom it may concern.....June 10, 1916 June 19, 1916—BLK 8, Diamond Tract, Visitation Valley. Walter J Rowley to whom it may concern.....June 10, '16 June 20, 1916—“CAROLANS,” Hillsborough. Harriet Pullman Carolan to Inland Floor Co.....July 12, 1916 June 21, 1916—LOT 13 BLK 10, Burlingame Terrace No. 2, Burlingame. Albert G Mott to Harry Sibley.....June 20, 1916 June 23, 1916—LOT 8 BLK 103, South San Francisco Plot 1, South San Francisco. South San Francisco Land & Improvement Co to Charles Johnson.....June 22, 1916 June 26, 1916—LOT 13 Rochex Subvn, San Mateo Park, San Mateo. E J Chubbuck to Wm McIntosh.....

.....June 22, 1916 June 29, 1916—“FILOLLI,” Canada de Raymundo, San Mateo. W B Bourn to California Constr Co.....June 24, '16 June 30, 1916—LOT 3 BLK 37, Easton Addition to Burlingame No. 2, Burlingame. Mary F Houpt to whom it may concern.....June 30, 1916 June 30, 1916—LOT 10 BLK 8, Stanford Park Tract, Menlo Park. Sophia A Hobe to whom it may concern.....June 14, 1916 July 5, 1916—LOT “G” BLK 6, Burlingame Terrace No. 2, Burlingame Thomas K Foley to John B Woolfrey.....July 3, 1916 July 7, 1916—LOT 4 BLK 1 Sub of Lots 32 and 35, San Mateo Park, San Mateo. John Duffield to whom it may concern.....July 7, 1916

LIENS FILED

SAN MATEO COUNTY.

RECORDED AMOUNT July 10, 1916—LOTS 3, 4, 5, 10, 11 & 12 Blk 10, Millbrae Villa Tct, Millbrae. S Mariani vs John Joseph Foppiano, Jr and John B Woolfrey\$206.36 July 11, 1916—LOTS 3, 4, 5, 10, 11 and 12, Millbrae Villa Tract, Millbrae. J J Mullins vs John J Foppiano Jr and John B Woolfrey.....\$210 July 11, 1916—LOTS 3, 4, 5, 10, 11, 12 Blk 10, Millbrae Villa Tract, Millbrae. Roberts Mig Co vs John B Woolfrey and John J Foppiano\$212.25 July 11, 1916—PTN BLK 2 Jenevin Sub, San Bruno. Inland Floor Co vs A D Jenevin, J F Cheetham and T Knapp\$270.14 July 11, 1916—LOTS 3, 4, 5, 10, 11, 12 Blk 10, Millbrae Villa Tct, Millbrae Sydney Brittain vs John J Foppiano and J B Woolfrey.....\$70 July 11, 1916—LOTS 3, 4, 5, 10, 11, 12 Blk 10, Millbrae Villa Tract, Millbrae. San Mateo Planing Mill Co vs John J Foppiano Jr and John B Woolfrey\$733.86 June 29, 1916—PTN LOT 13, Hillsborough Acres, Hillsborough. Reinhart Lumber & Planing Mill Co vs Charles A Jones, R H Fulton, Theodore F Moeller and Carson M Ellis\$636.14 July 8, 1916—LOTS 3, 4, 5, 10, 11, 12 Blk 10 of Millbrae Villa Tract. M Bertolino vs John Joseph Foppiano, Jr and John B Woolfrey.....\$212.25

MARIN, CONTRA COSTA AND SONOMA COUNTIES

SEWER CONSTRUCTION — \$125,000. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans for the proposed storm and sanitary sewers to be laid in 10th street have been completed by City Engineer Chapman and will be presented to the City Council at their meeting next week. The sewer will drain that property north and east of 10th street and will empty into the inner harbor. The sewer will be constructed of brick, pipe and concrete.

HIGHWAY CONSTRUCTION — Cost not stated. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. County Surveyor Richardson reports that he is preparing plans and estimates for regrading the Bolinas road from the top

of the ridge down to Bolinas. At the present time the road is narrow and crooked, and has a maximum grade of 15%. Richardson is also preparing plans for regrading the road from Alto Station to Belvedere. The plans will be presented to the Supervisors shortly for approval, when bids will be called.

PAVING—Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. Bids will be opened on August 3rd for surfacing the Colusa draw bridge with Mastic paving.

BRIDGE—Steel and concrete. Cost not stated. Benicia, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano County. At the last meeting of the County Board of Supervisors the plans and specifications for a new bridge across Ulatis Creek, road No. 125, Elmhira Township; new bridge on road No. 310, Denverton Township, and new bridge in Sliveville Township to replace the Lacy bridge, were ordered approved, and the Clerk directed to advertise for bids to be opened on August 7th. Plans for the work together with full information may be had from the County Clerk at Fairfield.

SEPTIC TANK — Cost as follows. Healdsburg, Sonoma Co., Cal. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. The single bid received by the City Trustees for the construction of the proposed three septic tanks was rejected. The bid was that of Ward E. Esterly, 244 Alvarado Road, Berkeley, at \$2,250, and as the engineer's estimate was \$1,152.50. It is probable that the Trustees will now do the work under the Day Labor system.

WATER PIPE — Cost not stated. Healdsburg, Sonoma Co., Cal. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. Specifications submitted by Water Superintendent Nelson to the City Trustees were approved at the last meeting of the Board and bids were ordered received for furnishing the same. The pipe will be used from the reservoir to the well. The quantity of the pipe is estimated to be 2,300 feet of the 4-inch size. Plans and specifications may be had from the City Clerk.

BRIDGE—Reinforced concrete. Cost not stated. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. The City Council at its last meeting instructed the City Manager to prepare plans and specifications for a full width concrete bridge for C street.

HOSPITAL COTTAGE — 1 story, frame. Cost not stated. San Rafael, Marin Co., Cal. Architect, none. Owners, Marin County. Bids will be opened on August 8th at 2 p. m. for the construction of a tuberculosis cottage at the County Hospital near San Rafael. Plans can be secured from the County Clerk.

SCHOOL HEATING SYSTEM—Cost not stated. Concord, Contra Costa Co., Cal. Engineers, Leland & Haley, Holbrook Bldg., S. F. Owners, Town of Concord. Plans are being prepared for a new heating system to be installed in the Concord Grammar School.

SCHOOL — 1 story, frame. Cost not stated. Contracts Awarded. SEWER CONSTRUCTION — \$20,000. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractors,

P. R. Ritchie & Co., Chronicle Bldg., S. F. Contract price, \$20,000.

SCHOOL—1 story, frame, \$9,185. Moraga, Contra Costa Co., Cal. Architect, Norman R. Coulter, 46 Kearny street S. F. Owners, Willow Spring School District, Contractors, Keller & Crane, 74 Miramar avenue, S. F. Contract price, \$9,185.

Receive Figures For Willow Spring School.

Keller & Crane Will Be Awarded Contract For Construction of Four-Class Room Building.

Seven sets of figures were opened by the Board of School Trustees of the Willow Spring School District at Moraga, Contra Costa County, for the construction of a one-story frame and plaster building, designed by Architect Norman R. Coulter, 46 Kearny street, San Francisco. Keller & Crane, 74 Miramar Ave., San Francisco, presented the lowest bid at \$9,185 and will be awarded the contract.

The school will contain two standard class rooms and two open air class rooms which may be converted into the standard class rooms by constructing a single wall. Following is a complete list of the bids received:

Willow Spring School.

Keller & Crane.....	\$ 9,185
Caldwell & Son.....	9,395
R. Glaze.....	9,498
W. L. Henderson.....	9,654
Ward & Goodwin.....	9,960
J. F. McCarthy.....	10,885
H. A. Klyce.....	14,201

BUILDING CONTRACTS

MARIN COUNTY.

FRAME BUNGALOW

MAHY AND THIRD STS., San Rafael. All work for one-story frame bungalow.

Owner.....Mrs. Anna Sais, San Rafael. Architect...None.

Contractor...S. A. Fancher.

Filed July 7, '16. Dated June 20, '16.

Frame up.....\$590

When plastered.....500

When finished.....700

TOTAL COST, \$1790

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

FRAME DWELLING

NOVATO. All work for one-story frame dwelling.

Owner.....Frances Robinson. Architect...John F. Beuttler, 1110 Phelan Bldg., S. F.

Contractor...J. Dawson, Mill Valley. Filed July 10, '16. Dated July 7, '16.

Floor joists on.....\$345

Frame up.....345

When plastered.....345

When completed.....345

TOTAL COST, \$1380

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME LIBRARY

ANTIOCH, Contra Costa Co. One-story frame library.

Owner.....Antioch Library Trustees.

Architect...Francis W. Reid, 1725 6th Ave, Oakland.

Contractor...P. M. Sanford.

COST, \$2700

NOTE:—Construction started.

FRAME LIBRARY

CONCORD, Contra Costa Co. One-story frame library.

Owner.....Concord Library Trustees. Architect...Francis W. Reid, 1725 6th Ave, Oakland.

Contractor...P. M. Sanford.

COST, \$2750

NOTE:—Construction started.

MASONIC TEMPLE

WALNUT CREEK, Contra Costa Co. All work for Masonic Temple.

Owner.....Alamo Lodge, F. & A. M. Architect...None.

Contractor...C. Randolph Hook, Walnut Creek, Cal.

COST, \$10,000

REPAIRS

CROCKETT, Contra Costa Co. Repairs on John Swett School.

Owner.....Board of School Trustees of Crockett.

Architect...Norman R. Coulter, 46 Kearny, San Francisco.

Contractor...Keller & Crane, 74 Miramar Ave., San Francisco.

COST, \$3220

FLATS

TWELFTH AND BISSELL STS., Richmond. All work for two flats.

Owner.....Geo. Garrard, 31 6th St., Richmond.

Architect...None.

Contractor...Norman E. Anderson, 1110 Barrett Ave., Richmond.

COST, \$3900

ELECTRICAL WORK

ON OWNER'S PROPERTY AT AVON. All work for wiring cottages and club house.

Owner.....Associated Oil Co., Sharon Bldg., San Francisco.

Engineer...A. F. L. Bell, Sharon Bldg., San Francisco.

Contractor...M. E. De Lew, 159 Stevenson, San Francisco.

Filed July 7, '16. Dated June 29, '16.

Completed and accepted.....75%

Usual 35 days.....25%

TOTAL COST, \$676.50

Bond, \$700. Surety, New Amsterdam Casualty Co. Limit, forfeit, none.

Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
July 11, 1916—SAN ANSELMO. Julia T. Carey to E. L. Wilson. July 7, 1916

July 14, 1916—SAN ANSELMO. Marin Co. August J. Long Jr. to A. F. Hanson. July 12, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

FURNISHING CEMENT—Cost as follows. Fresno, Fresno Co., Cal. Engineer, County Surveyor, Fresno. Owners, Fresno County. Four bids were submitted to the County Supervisors for furnishing 2,265 barrels of cement for county use. Bids were received

from the following firms: The Standard Portland Cement Co., Henry Cowell Lime and Cement Co., Pacific Portland Cement Co., and the Santa Cruz Portland Cement Co. All of the bids were the same, or amounted to the same. All bidders said they would furnish the county 2,265 barrels of cement for \$2.83 a barrel. Three bidders said they would furnish the cement for 2.83 a barrel in burlap bags and one bidder said he would furnish the cement for 2.53 a barrel in paper bags. A refund of 7½¢ a bag is paid for the return of burlap bags and it takes four bags to make a barrel. The matter was put over to July 11th for investigation.

LIGHTING SYSTEM—Cost not stated. Merced, Merced Co., Cal. Engineer, Charles T. Phillips, Pacific Bldg., S. F. Owners, Town of Merced. The City Trustees have commissioned Charles T. Phillips, an electrical and illuminating engineer, to outline plans for the formation of the proposed lighting district. The purpose of forming the district is to obtain a system of electroliers. The design, number, size and location of the electroliers will be left up to Phillips.

STREET PAVING—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. In response to a petition presented to the City Council, the City Engineer has been instructed to prepare plans and specifications for the paving of Twentieth street from Cedar to G streets with a concrete base and asphaltic surface. Bids will be called for on the completion of the plans.

LIGHTING SYSTEM—Cost not stated. Fresno, Fresno Co., Cal. Engineer, County Surveyor, Fresno. Owners, Fresno County. Bids will be opened on August 8th at 2 p. m. for the installation of an electrolier lighting system in the Court House Park.

BRIDGES—Timber and reinforced concrete. Cost as follows. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. The County Supervisors have awarded the following bridge contracts: To Johnson Bros., Kingsburg, at \$10,182 for the construction of the Rockford bridge in Road District No. 1. To Johnson Bros., Kingsburg, for the construction of the Success bridge in Road District No. 1 on their bid of \$7,290. To Nate Lovelace, Visalia, construction of the Elk Bayou bridge on his bid of \$4,524.50. To Nate Lovelace, Visalia, for the construction of the Elk Bayou Canyon bridge at \$1,406.

RESIDENCE—LATERATIONS—Frame \$2,000. Fresno, Fresno Co., Cal. Architect, none. Owner, W. H. Minard, 319 Abby street, Fresno. Location, Altamont Addition. Plans complete and work to be done by Day Labor.

BRIDGE—Timber. Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on August 9th for the construction of a 150-foot pile bridge over what is known as Buttonwillow Slough at Old Headquarters, in Section 12, Township 20 South, Range 24 East, Mt. Diablo Meridian.

STORES—1 story and base, brick and steel, \$7,000. Fresno, Fresno Co., Cal. Architects, Glass & Eutner, Rowell Bldg., Fresno. Owner, F. F. Mitchell, S. F. Location, Tulare and M streets,

covering an area of 42 by 69 feet. Plans being prepared.

STORE ALTERATIONS AND ADDITION—Brick, \$2,000. Fresno, Fresno Co., Cal. Architect, none. Owner, D. Yezden, 1115 K street, Fresno. Work will consist of interior and exterior alterations. Plans complete and work to be done by Day Labor.

229001—1 story, brick. Cost not stated. Visalia, Tulare Co., Cal. Architect, Myer L. Weaver, Visalia. Owners, City of Visalia. Designed for a manual training school. Plans complete and figures to be opened on July 21th. Plans at office of architect.

Contracts Awarded.

PAVING—Cost as follows. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Contractor, Edward M. Chadbourn, 503 Market street, S. F. Contract price, 1.8c per square foot and 1.6c per square foot.

FURNISHING CEMENT—Cost as follows. Fresno, Fresno Co., Cal. Engineer, County Surveyor, Fresno. Owners, Fresno County. Contractors, Henry Cowell Lime and Cement Co., 2 Market street, S. F., 2,205 barrels at \$2.53 in paper bags and \$2.83 in burlap bags.

LIENS FILED

FRESNO COUNTY.

RECORDED	AMOUNT
July 8, 1916—LOTS 11 AND 12 SEC 25	
Lots 6 and 7 Sec 26 NE ¼ Sec 35,	
12-19, Fresno. Fresno Lumber Co	
vs A Schubert, Davis Ash, River-	
view Park and Resort Co.....	\$107

BUILDING CONTRACTS.

FRESNO COUNTY.

ALTERATIONS
LOTS 28 AND 29 BLK 62, Fresno. All work for alterations on garage.
 Owner.....Lauritzen Implement Co., 1158 H St., Fresno.
 Architect...None.
 Contractor...A. Allen, 259 Blackstone St., Fresno.
 COST, \$1890

ALTERATIONS
LOTS 14, 15 AND 16 BLK 81, Fresno. Alterations and additions to store.
 Owner.....D. Yezden, 1115 K St., Fresno.
 Architect...None.
 Day's work. COST, \$2000

ADDITION
LOTS 15 AND 16 BLK 7, Altamont Addition, Fresno. Addition to dwlg.

Owner.....W. H. Minard, 319 Abby St., Fresno.
 Architect...None.
 Day's work. COST, \$1700

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

ROAD GRADING—Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. Bids received by the County Supervisors at their last meeting for grading the county road in Road District No. 4 were rejected and the County Surveyor was instructed to do the work according to plans and specifications.

ROAD PAVING—Cost not stated. Sacramento, Sacramento Co., Cal. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Bids will be received up to August 7th for supplying and placing an asphaltic covering on the concrete roads in the 4th and 5th Supervisorial Districts. Said covering to be 5/8 inch in thickness. All of the said work to be done in accordance with the specifications as furnished by the contractor with his bid.

STREET IMPROVEMENTS—Cost as follows. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications have been adopted by the City Council for curbing and paving the central and south side roads of Bienvenido Park and bids will be called for shortly. The work is estimated to cost \$8,164.64, according to the City Engineer's estimate. Plans were also adopted and bids will be called for shortly for the construction of storm water sewers for the southern section of the city. The sewers are to be installed on Edison, Harrison, Lincoln, Jefferson, Jackson, South streets and the French Camp Turnpike. City Engineer Compton's estimate for the work is \$5,749.38.

HIGHWAY CONSTRUCTION—Cost not stated. Sacramento, Cal. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Bids will be opened on August 7th for the construction of a concrete roadway on the "Prison Road," between the south property line of Sutter street in the town of Folsom, California, and Robber's Ravine, a distance of approximately 5,000 feet.

HIGHWAY CONSTRUCTION—Cost as follows. Sacramento, Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids were opened by the State Highway Commission Monday for

six miles of Portland cement highway in Marin County. The Marin Rock Co., San Anselmo, submitted the lowest bid at \$25,610 and were awarded the contract. One mile of Portland cement highway, including a reinforced concrete bridge 100 feet long, in Glenn County, Manuel Jacento, 2108 14th street, Sacramento, submitted the lowest bid and was awarded the contract at \$8,615.70. The bids for the reinforced concrete bridge with one span 36 feet long in Ventura County were taken under advisement. Hunter Bros., Los Angeles, presented the lowest bid at \$1,610.

BRIDGE—Steel and concrete. Cost as follows. Yreka, Siskiyou Co., Cal. Engineer, County Surveyor, Yreka. Owners, Siskiyou County. All bids received by the Board of County Supervisors for the construction of the proposed Quikley suspension bridge have been rejected and new bids will probably be called for. The following bids were received: William Stephens of Redding for building bridge according to plans, \$6,700; alternate bid, substituting steel towers, \$7,800. Portland Bridge Company, by R. E. Meith, for building bridge with wooden towers, \$5,400; for building bridge with towers as per plans \$6,000.

RESIDENCE—2 story and base. Frame, \$8,000. Placerville, El Dorado Co., Cal. Architect, E. C. Hennings 1203 J street, Sacramento. Owner, Max Mierson, Placerville. Will contain ten rooms, two baths and sleeping porches. Plans being prepared.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on July 27th at 11 a. m. for street improvements authorized under the following resolutions: That J street, from 31st street to the east boundary line of Golf Crest, produced southerly, be improved by constructing concrete curb, concrete gutter, six vitrified, ironstone sewer pipe drains; concrete manholes complete, cast iron gutter drains with 6-inch, vitrified ironstone sewer pipe elbows attached; constructing 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains to be connected with 6-inch, vitrified, ironstone V branches on 8-inch sewer pipe; grading the space between the property line and curb, and constructing thereon concrete sidewalk 6 feet in width and 3½ inches thick; reconstructing 8 concrete manholes; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 1 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick.

That 26th street, from B street to Y street, be improved by constructing concrete sidewalk 6 feet in width and 3½ inches thick and grading the space between the sidewalk and curb.

That 27th street, from B street to Y street, be improved by constructing concrete sidewalk 6 feet wide and 3½ inches thick and grading the space between the sidewalk and curb.

That the alley between M and N streets, from 14th to 5th street, be improved by reconstructing one concrete manhole by placing same to official grade, reconstructing one concrete catch basin by placing same on of-

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
 Pipe, Fittings, Sundries**

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

ficial grade and supplying new cast iron curb and cover; grading the roadway and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick.

That 28th street, from B to Y, be improved by constructing concrete sidewalk 6 feet in width and 3½ inches thick, and grading the space between the sidewalk and curb.

That Lower Stockton Road be improved from 7th avenue in Oak Grove to Waring Court in Capitol Heights, and that Whiskey Hill Road be improved from Lower Stockton Road to a point 750 feet westerly from the center line of Lower Stockton Road by constructing 8 and 10-inch, vitrified, ironstone, pipe sewer, constructing six concrete manholes complete and one 8-inch, vitrified, ironstone inlet. Further information may be had from City Clerk M. J. Desmond.

HOTEL ALTERATIONS—4 story and base. Class C construction. Cost not stated. Sacramento, Cal. Architect, E. C. Hemmings, 1203 J street, Sacramento. Owners, Hotel Land Co. Bids are now being taken for marble work, elevator doors, ornamental iron work, roofing, cabinet work, decorating, glass and glazing and ventilating in connection with the extensive alterations now underway at the Hotel Land.

THEATRE ALTERATIONS—Class A construction, \$60,000. Sacramento, Cal. Architect, E. C. Hemmings, 1203 J street, Sacramento. Owners, Heilbron Estate. Location, J street between 5th and 6th streets. Work will consist of complete interior alteration, exterior work and mechanical equipment. Plans being prepared.

Oakdale, Stanislaus Co., Cal. Architects, Stone & Wright, San Joaquin Valley Bank Bldg., Stockton. Owners, River Road Grammar School District. Will contain one class room. Plans complete and bids to be opened on July 28th. Plans on file with the architects.

SCHOOL HEATING SYSTEM—\$3,470. Oroville, Butte Co., Cal. Architect's name not given. Owners, City of Oroville. Contractors, Eilerington & Myers, Oroville. Contract price, \$3,470.

SCHOOL—1 story, brick, \$20,000. Richmond, Contra Costa Co., Cal. Architect, J. B. Ogborn, 464 13th street, Richmond. Owners, City of Richmond. Contracts for the one-story frame and plaster addition to the Tenth Street School Building have been awarded as follows: General contract to Carl Overaa, 1808 Roosevelt avenue, Richmond, for \$16,377. Heating to J. C. Hurley, 509 6th street, S. F., for \$2,893. Mr. Overaa has awarded the following subcontracts: W. L. Lane, lathing work; Zeb Knott, painting; Charles Brown, plastering and Richard Williams, brick work.

Contracts Awarded

BRIDGES—Reinforced concrete. Cost as follows. Redding, Shasta Co., Cal. Engineer, County Surveyor, Redding. Owners, Shasta County. Contractor, William Stephens, Redding. Contract price, Clover Creek bridge, \$2,417; Stillwater bridge, \$3,547.

HIGHWAY GRADING—\$2,679. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Contractor, James Hartley, Eureka. Contract price, \$2,679.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

PAINTING

LOT 4, L. M., 27TH AND 28TH STS., Sacramento. Painting work for four-story Class "C" lodge (Scottish Rite Cathedral Ass'n. Building).

Owner.....Scottish Rite Cathedral Ass'n. of Sacramento.

Architect...Carl Werner, Phelan Bldg., San Francisco.

General Contractor...C. J. Guth, 1516 27th St., Sacramento.

Sub-Contractor...Schneider, Chappell & Jones, Inc., 615 J St., Sacramento.

Filed July 12, '16. Dated June 26, '16.

COST, \$2898

ALTERATIONS

OVER AMERICAN RIVER at Sacramento. Renewal of railway bridge consisting of 3 spans ft. and end approaches of 105 and 90 feet.

Owner.....John P. Coghlan, receiver of Northern Electric Railway Co., Sacramento.

Engineer...Galloway & Markwart, 1st National Bank Bldg., San Francisco.

Contractor...Missouri Valley Bridge & Iron Co., Leavenworth, Kansas.

Filed July 5, '16. Dated _____.

COST, \$58,297

Bond, \$30,900. Surety, Fidelity & Deposit Co. of Maryland.

ALTERATIONS

TENTH AND K STS., Lot 4 and E 50 feet Lot 3 K, L, 9th and 10th Sts., Sacramento. Alterations and remodeling of Hotel building.

Owner.....Nettie Evans.

Architect...E. C. Hemmings, 1203 J St., Sacramento.

Contractor...Teichert & Ambrose, Oschner Bldg., Sacramento.

COST, \$38,000

TILE AND MARBLE

SW TENTH AND K STS., Blk K, L, 9th and 10th Sts., Sacramento. All tile and marble for alterations and additions to Land Hotel.

Owner.....Nettie Evans.

Architect...E. C. Hemmings, 1203 J St., Sacramento.

Contractor...H. P. Fischer Tile & Marble Co., 318 N-California St. Stockton.

Filed July 7, '16. Dated June 30, '16.

COST, \$3069

STRUCTURAL STEEL

SW TENTH AND K STS., Sacramento. Structural steel and cast iron bases for alterations and additions to hotel.

Owner.....Nettie Evans.

Architect...E. C. Hemmings, 1203 J St., Sacramento.

Contractor...Palm Bridge & Iron Works 1814 15th St., Sacramento.

Filed June 28, '16. Dated June 28, '16.

COST, \$4090

Bond, \$2045. Surety, C. J. Mathews and F. J. Ruhstaller. Limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

NO. 510 OAK AVE., Sacramento. Remodel store.

Owner.....Chas. M. Campbell, Pasadena, Cal.

Architect...None.

Contractor...Chas. Vanina, 2022 M St., Sacramento.

COST, \$3684

ALTERATIONS

NO. 1314 NINTH ST., S 45-6 of E 56-9 Lot 4, M, N, 8th and 9th Sts., Sacramento. Remodel dwelling and place on new foundation.

Owner.....Theo. Blanth, 824 M St., Sacramento.

Architect...None.

Contractor...Chas. Vanina, 2022 M St., Sacramento.

COST, \$3000

FRAME DWELLING

J ST., between 34th and 35th Sts., Lot 2 Blk I. R. Turner's Sbdvn, Sacramento. One-story 7-room frame dwelling.

Owner.....Anna M. Morris, 1321 9th St., Sacramento.

Architect...None.

Contractor...W. R. Saunders, 2810 J St., Sacramento.

COST, \$2595

ALTERATIONS

NO. 2421 J ST., being S ½ of E ½ Lot 5, J, J, 24th and 25th Sts., Sacramento. Raise dwelling and build new foundation.

Owner.....W. J. Brown.

Architect...None.

Contractor...J. A. Pausbach, 1020 25th St., Sacramento.

COST, \$1200

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED **ACCEPTED**
July 7, 1916—LOT 1215 of Wright & Kimbrough Tract No. 25, Sacramento. W L Evans to C J Hopkinson.....July 1, 1916
July 8, 1916—WALNUT GROVE, Sacramento Co. Bank of Alex Brown to H F Smith.....June 28, 1916

RELEASE OF LIENS

SACRAMENTO COUNTY.

RECORDED **AMOUNT**
July 7, 1916—W ½ Lot 7, R, S, 8th and 9th Sts., Sacramento. Peter Leoni to Mrs P J Lombardi.....

LIENS FILED

SACRAMENTO COUNTY.

RECORDED **AMOUNT**
July 11, 1916—E 42½ LOTS 7, 8 AND 9 Blk 9, North Sacramento Sbdvn No. 1, Sacramento. Sacramento Lumber Co vs L C Moore.....\$279.04

LOS ANGELES & SOUTHERN CALIFORNIA.

APARTMENT HOUSE—4 story and base, brick. Cost not stated. Los Angeles, Cal. Architects, Peoples & Cheney, Haas Bldg., L. A. Owner, Miss Ruby Cotner. Location, Coronado between Wilshire and Sixth streets, covering an area of 60 by 107 feet. Will contain 75 apartments of two and three rooms. Plans being prepared.

APARTMENT HOUSE—2 story and base, frame. Cost not stated. Pasadena, Los Angeles Co., Cal. Architects, Peoples & Cheney, Haas Bldg., L. A. Owner's name not given. Location,

South Los Robles avenue, covering an area of 60 by 172 feet. Will contain 50 rooms arranged in 18 apartments of two, three and four rooms. Plans being prepared.

APARTMENT HOUSE—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, Louis Blecher, 1 W. Hellman Bldg., L. A. Owner, William G. Donald, Westley Roberts Bldg., L. A. Location, near Grand avenue and Adams. Will contain 16 apartments of five rooms. Garage in basement. Plans complete and figures being taken by the owner.

RESIDENCE—2 story and base hollow tile, \$50,000. Los Angeles, Cal. Architect, Edwin Bergstrom, Citizens National Bank Bldg., L. A. Owner, M. H. Whittier. Location, Beverly Hills. Will contain 18 rooms, 6 bath rooms and separate garage. Plans complete and figures being taken.

IRRIGATION SYSTEM—Cost not stated. Riverside, Riverside Co., Cal. Engineer, W. E. Pedley, Riverside Owners, Riverside County. Bids will be received by the Board of Supervisors up to 11 o'clock a. m. of July 26, 1916, for drainage work for reclamation of 8,000 acres of land subject to overflow from San Jacinto River in flood season and designated as Drainage Improvement District No. 2. Plans call for widening and deepening present channel below district in Perris Valley and making artificial channels, using the dirt excavated as levees. The aggregate length of all channels is about 25 miles, the total excavation 450,000 cubic yards, of which 359,727 cubic yards could be done by machine of the Austin type or by a dragline or clamshell, the balance by scrapers and teams. Estimated cost of machine work is 10c per cubic yard; of scraper work 17c. The estimated cost of bridges, etc., \$4,000. Certified check on bond for 10% required. A. B. Pilche is Clerk of the Board. Reuben Q. Brown 530 California Bldg., L. A., has been named superintendent on the job.

PAVING—\$60,810. Sawtelle, Los Angeles Co., Cal. Engineer, City Engineer, Sawtelle. Owners, City of Sawtelle. The Los Angeles Paving Co. submitted the lowest figure for paving Santa Monica Boulevard at \$60,810 and for culvert work at \$4,200. They will probably be awarded the contract.

WAREHOUSE—2 story and base, brick and steel. Cost not stated. Los Angeles, Cal. Architect, William Kerr L. A. Owners, The Eastern Outfitting Co., 620 South Main street, L. A. Location, Enterprise street and Santa Fe avenue, covering an area of 90 by 140 feet. Plans complete and work to be sublet by owners.

MARKET BUILDINGS—2 6 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, John Parkinson, Security Bldg., L. A. Owners, Los Angeles Union Terminal Co. Location, Seventh and Central avenue, covering an area of 80 by 1250 feet and 10 by 1500 feet. Plans complete and separate bids being taken for general construction, plumbing, electric work, sprinkler systems and heating.

SCHOOL—1 story and base, hollow tile, \$30,000. Monrovia, Los Angeles Co., Cal. Architect, Frank O. Kaser 101 East Greystone avenue, L. A. Owners, City of Monrovia. Will contain four class rooms, assembly hall and departments for manual training and domestic science. Plans being prepared

Contracts Awarded.

RESIDENCE—1 and 2 story, frame, \$34,500. Montecito, Santa Barbara Co., Cal. Architect, Reginald D. Johnston, Staats Bldg., Pasadena. Owner, F. P. Knott. Contractor, W. A. Taylor, 966 Elizabeth street, Pasadena. Contract price, \$34,500. All work except exterior plastering, painting and heating.

SEWER SYSTEM—\$26,602.92. Lompoc, Santa Barbara Co., Cal. Engineer, Town Engineer, Lompoc. Owners, Town of Lompoc. Contractors, Chambers & Heafey, Bacon Bldg., Oakland. Contract price, \$26,602.92.

WATER PIPE—Cost as follows. Los Angeles, Cal. Engineers, Los Angeles Water Commission, L. A. Owners, Los Angeles County. The following bids were received for furnishing steel pipe for Los Angeles Water Works No. 3 in San Fernando Valley:

San Fernando Main Line—Llewellyn Iron Works, Main and Redondo streets, L. A., \$154,642; Baker Iron Works, \$156,430; and Lacy Mfg. Co., \$157,655.

Calabasas Main—Western Pipe and Steel Co., 1759 North Broadway, L. A., \$143,428; Lacy Mfg. Co., \$143,678; and Baker Iron Works, \$144,421.

Ventura Main—Baker Iron Works 912 North Broadway, L. A., \$120,756; Lacy Mfg. Co., \$123,960; and Llewellyn Iron Works, \$125,130.

Chatsworth High Line—Lacy Mfg. Co., Washington Bldg., L. A., \$126,150; Llewellyn Iron Works, \$128,160; and Baker Iron Works, \$129,325.

Calabasas Subsidiary Main—L. A. Manufacturing Co., 2500 Leonard, L. A., \$16,990; Western Pipe and Steel Co., \$17,250; Baker Iron Works, \$17,558 and Lacy Mfg. Co., \$17,475.

MacLay Main—L. A. Manufacturing Co., \$62,738; Western Pipe and Steel Co., \$63,148; Lacy Mfg. Co., \$64,360; and Baker Iron Works, \$65,206.

Chatsworth Main—Baker Iron Works, \$90,798; Llewellyn Iron Works, \$95,325; and Western Pipe and Steel Co., \$95,760.

STREET IMPROVEMENT—\$79,235.70. Los Angeles, Cal. Engineer, City Engineer, L. A. Owners, City of Los Angeles. Contractor, George H. Oswald, O. T. Johnson Bldg., L. A. Contract price, \$79,235.70.

HIGHWAY IMPROVEMENT—\$15,900. Los Angeles, Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Contractors, Rogers Bros., L. A. Contract price, \$15,900.

HIGHWAY IMPROVEMENT—\$86,375.44. Los Angeles, Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Contractors, P. A. and C. H. Howard, 2128 Sacramento street, L. A. Contract price, \$86,375.44.

PAVING—\$30,950. Manhattan Beach, Los Angeles Co., Cal. Engineer, Town Engineer, Manhattan Beach. Owners, Town of Manhattan Beach. Contractors, The California-Arizona Construction Co., 1700 East Washington street, L. A. Contract price, \$30,950.

SEATTLE AND WASHINGTON

BRIDGES—Steel. Cost as follows. Tacoma, Wash. Engineer, City Engineer, Tacoma. Owners, City of Tacoma. The Washington Paving Company of Seattle was low bidder on both the Division and Trent street bridges, with second on both jobs. In both cases the bids are below the estimate. Awards will wait on a complete tabulation of proposals. The two bids were as fol-

low: A. Washington Paving Co., Division street, \$108,413. Trent avenue \$97,547. A. C. Biegle & Co., Division street, \$109,987. Trent avenue \$96,311.

COLLEGE BUILDING—1 story and base. Class A construction, \$150,000. Seattle, Wash. Architects, Charles Ebbel and Carl F. Gould, Denny Bldg., Seattle. Owners, Regents of the University of Washington, Henry Bldg., Seattle. Bids will be received on August 11th for the new building to be known as the Commerce Hall. Bids are being taken both as a whole and segregated.

Contracts Awarded.

PASSENER STATION—1 and 1 story Class A construction, \$1,000,000. Vancouver, B. C. Architect's name not given. Owners, Canadian Northern R. R. Co. Contractors, Northern Construction Co., Vancouver. Carter-Halls-Aldinger Co., Winnipeg, is associated with the Northern Construction Co.

MARKET—1 story and base, concrete and tile, \$29,781. Seattle, Wash. Architects, Stephen & Stephen, New York Block, Seattle. Owners, Pine Street Investment Co. Contractors, Finne & Garde, Northern Bank Bldg., Seattle. Contract price, 29,781.

INCREASED PRODUCTION OF MANGANESE ORE.

The production of manganese ore in the United States in 1915 was 9,651 long tons, the largest since 1901 and more than three times the production in 1914, which was 2,635 tons. This output was made by 34 operators in 10 States, of which the four most important, in order of output, were Georgia, California, Virginia, and Arkansas, according to figures compiled by the United States Geological Survey. In addition, Alabama, Arizona, Colorado, Tennessee, Texas, and Utah produced small amounts of ore. The imports of manganese ore for 1915 were 313,985 tons, which should be compared with 283,291 tons for 1914. Of the ore imported in 1915, 268,758 tons, or 85 per cent of the total, came from Brazil—more than twice the quantity received from Brazil in any preceding year. The imports from India were 36,450 tons, or about one-fourth the average of the preceding 10 years. No ore was received from Russia.

The production of mangiferous iron and silver ores for 1915 was 738,194 tons, which was almost twice the output on 1914. Most of this ore was used in making high-manganese pig iron, but a large quantity was used as a flux by lead smelters; 66,330 tons contained more than 15 per cent manganese and a large part of this was used to make low-grade ferro-manganese.

The quantity of ferromanganese marketed in 1915 was 111,260 tons and the imports were 55,263 tons. The available supply, or 166,523 tons, was greater than that for 1914 but 15 per cent less than the average for the preceding two years, which covered a period preceding the war in Europe.

The price of ferromanganese rose to \$115 a ton in December, but it is reported that during April, 1916, much higher prices were offered—\$175 a ton for future delivery and \$100 a ton for immediate delivery. The production of spiegeleisen in 1915 was 111,556 tons, which, with the 290 tons imported, represents an increase of 45

per cent over the available supply for the preceding year. If the increase in the production of steel is considered it becomes apparent that less manganese is now used in the manufacture of steel than formerly, a conclusion that may indicate either that the final product contains less manganese or that ferro-manganese is used more efficiently.

The prices offered for manganese ore adapted to the manufacture of ferro-manganese rose during 1915 to the highest figures that have been recorded for 20 years. In August eastern alloy makers offered \$22.50 a ton for 50 per cent ore, which should be compared with \$12.50 per ton, the average price for the preceding five years. In March, 1916, it was reported that \$32.50 per ton was paid for such ore. This great rise in prices was due largely to the advance in ocean freights caused by the shortage of vessels in which to move imported ore. There is good reason for expecting a further increase in domestic production during 1916 as a result of the high prices offered, but it is doubtful whether more than 10 per cent of the domestic demand can be met by domestic production.

The shortage of high grade manganese dioxide ores caused by cessation of exports from Russia has become a serious menace to the dry battery and flint glass industries. Prices as high as \$85 a ton are freely offered, but as only a few deposits in the United States can supply ore of this grade little domestic ore has come to the market. There is record of a marketed production of 550 tons from mines in Arizona, California, Colorado, Utah, and Virginia during 1915, whereas the annual demand ranges from 20,000 to 25,000 tons. Ore of this grade was imported from Japan and Cuba during 1915.

STATE WARS AGAINST INFANTILE PARALYSIS.

Every effort to prevent the introduction of infantile paralysis into California is being exerted by the California State Board of Health. In order to learn if any cases or contacts are being brought into the State from the East, where the disease is now epidemic, inspectors of all transcontinental passenger trains have been stationed at points along the border lines where the railroads enter California. Without the co-operation of citizens, however, this procedure is of small importance.

Every suspected case of illness in children, particularly intestinal or digestive disturbances, should be re-

ported immediately to the local health officer for investigation. Children should not be allowed to come into contact with such persons, who are ill, whether they are children or adults.

The diagnosis of infantile paralysis is oftentimes not determined until the paralysis appears. Since many cases begin with the acute digestive or intestinal disturbances, followed by high fever, special attention should be paid to disorders of this sort.

While comparatively few cases of the disease have occurred in California during the past few years, several epidemics of magnitude have occurred in the State. At the beginning of July there were only four cases in California and these were widely scattered.

The California State Board of Health does not feel that there is any occasion for alarm, but it desires to emphasize the importance of taking every possible preventive measure that may be available, in order that California may not be visited with a devastating epidemic of the disease.

PACIFIC MAIL TO RESUME OPERATIONS.

SAN FRANCISCO—John H. Rosseter vice-president and general manager of the Pacific Mail, returned Wednesday from New York, with the announcement that all details have been perfected for the actual restoration of the company's transpacific service in and out of this port.

The steamer Ecuador, one of the three vessels bought last spring from a Dutch concern, will leave New York for this city July 10.

On arrival here she will start the transpacific service. The two other steamers, Venezuela and Columbia, are to follow from New York in quick succession.

The three Pacific liners were built less than a year ago at a cost of \$4,000,000, are of 10,000 tons each and first-class ships in every respect. There are now ten ships in the Pacific Mail's fleet, most of them being in the ocean trade to the west coasts of Mexico, Central America and Panama, a service that never was abandoned.

MERCED TO HAVE ADDITIONAL LIGHT.

MERCED, Cal.—The city trustees have decided to form a lighting district to embrace the business section of the city for the purpose of lighting the streets with electrolights. Charles T. Phillips, an electrical engineer of

San Francisco, was retained to take full charge of the installation of the electrolights with instructions to give Merced the most modern and serviceable lights on the market. The cost of installation must be borne by the property owners in the district, but maintenance and light bills will be paid by the city.

TO WIDEN EMERALD BAY ROAD TWO FEET.

PLACERVILLE (El Dorado Co.)—The Emerald Bay portion of the Lincoln Highway for a distance of two miles is to be widened from fourteen to sixteen feet, according to a statement by State Road Superintendent H. L. Leventon.

TUNNEL NOW IS REOPENED.

MARTINEZ, Cal.—The reconstructed tunnel road, which has been called the "gateway into the Diablo country," has been reopened to traffic. It has been rebuilt at a cost of \$100,000.

The tunnel road connects at Walnut Creek with the Diablo scenic boulevard.

I-BEAMS AND GIRDERS TESTS.

Urbana, Ill., June 15, 1916.

For the purpose of studying the web strains in I-beams and girders tests have been conducted at the Engineering Experiment Station of the University of Illinois on a number of specimens consisting of 12-inch I-Beams having webs planed down to a thin section and 24-inch built-up girders having webs of thin plates.

The test data were used in conjunction with a mathematical analysis to determine the importance of the diagonal strains and the methods of failure of girders.

The results show (a) that, in general, the shearing stress is a maximum at the neutral axis, but that diagonal stress at the junction of web and flange must be considered, (b) that approximate methods of computing shearing stress in webs should, under certain conditions, be checked by more exact methods, (c) that stiffeners at supports and under concentrated loads are very necessary, and (d) a formula is developed for the buckling strength of webs.

The investigations were conducted by Professor H. F. Moore and Professor W. M. Wilson. The results are described in Bulletin No. 86, of the Engineering Experiment Station copies of which may be obtained upon application to W. F. M. Goss, Director, Urbana, Illinois.

Cut this out and mail to-day

Subscription Rates

Payable in advance

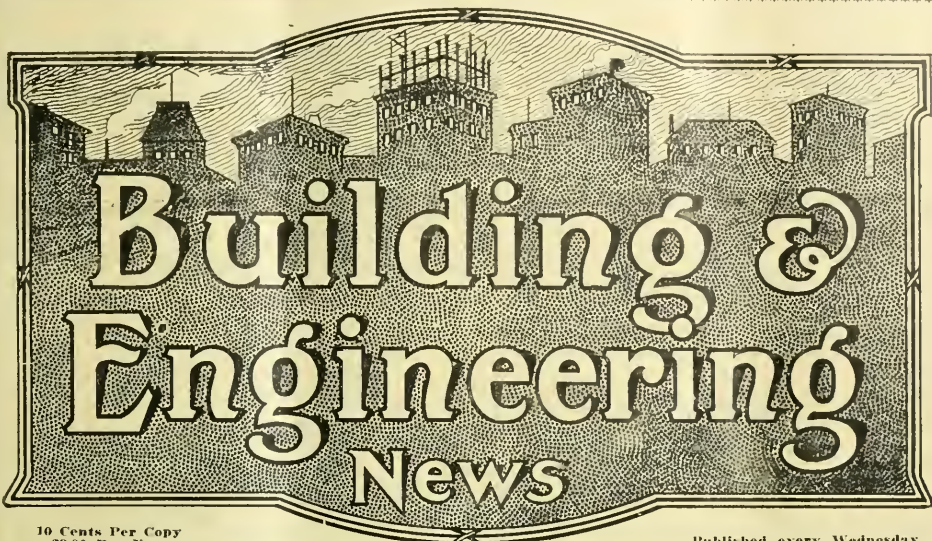
- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News

560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
 Street and No. _____
 City _____
 State _____



10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 20

Publication Office,
560 Mission St.

San Francisco, Cal., July 26, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best in the World

Sure to Close Your Doors
Without Slamming

Strictly An Air Cushion Check, working automatically.
Simplicity and Durability combined Applied
to either side of any size of door either
Right or Left Hand, without change

In ordering, give size of Door; also projection of Casing (if any)
over door, when Bracket will be sent to fit.

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 8841

THE

Safe Deposit Vaults of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Met. Cough and Oetavia

SAN FRANCISCO, CAL.

Install the Konveno Closet in Small Bathrooms.



Its convenience appeals to most home builders, for it serves them as an added shelf upon which to stand the toilet articles that are constantly in use.

Install Konveno in the next small bathroom you put in. It is made in three sizes: wash-down, reverse trap and syphon jet.

Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.

"Pacific"



Plumbing Fixtures

Main offices,
67 NEW MONTGOMERY ST.
SAN FRANCISCO

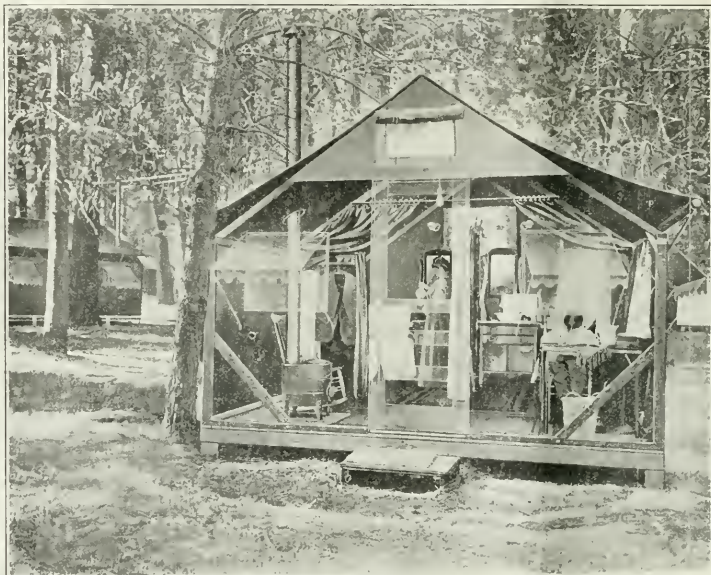
Factories,
RICHMOND,
CALIFORNIA

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4 -- \$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, July 26, 1916

Sixteenth Year, No. 29



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at
San Francisco Post Office under act of
Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.
L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

10	Landmark (See Oakland)
10	Boats
5	Bridges, Dams and Harbor Work
2-4	Building Operations for June
6	Churches
6	Court Houses
6	Fire, Alarm, Watchmen and
6	Pescado, Alcatraz, Stanislaus and
24	(Central) California
6	Garages
6-7	Government Work and Supplies
7	Hospitals
7	Libraries
7	Los Angeles and Southern Cal.
5-27	Marina, Costa and Sonoma
23-24	Marina, Costa and Sonoma
21	Oakland and Alameda County
18-19-20-21-22	Portland and Oregon
7	Post Offices
7	Power Improvements
7	Railroad Construction, Stations
7	and Equipment
7	Residences
7-8	Sacramento, Stockton and North-
24-25	San California
13-14	San Francisco
15-16-17-18	San Jose and the Santa Clara
22-23	Valley
8-9	Schools
11	Scenic Proposals
17	Seattle and Washington
11	Sewers, Street Work and Water
9-10	Systems
10	Stores and Offices
10	Theatres

Building Operations For June.

Instead of slowing down more nearly to normal, the building operations for the month of June show the most decided gains recorded during the past half year. The official reports of building permits issued in 110 principal cities of the country, as compiled by the California Development Board, the American Contractor, Chicago, and the Daily Pacific Builder, total \$91,531,762, as compared with \$65,241,379 for June 1915.

This condition is most gratifying when it is remembered that a considerable amount of construction work is held in abeyance, pending a reduction in the cost of iron and steel, and perhaps some other forms of material. There has been a softening of prices for structural material, however, in recent weeks and the date when this withheld business may be commenced may not be far in the future. Not only is the volume of business largely in excess of that of a year ago, but the number of building permits shows an increase.

The building totals for the Pacific Coast are especially good, in view of the labor conditions which have severely hindered the building industry of the entire coast.

Of the 110 cities included in the list below, 72 show gains and 38 losses.

A detailed statement follows:

City	June, 1916	June, 1915
	Cost	Cost
Akron, Ohio.....	\$ 1,323,455	\$ 355,225
Alameda, Cal.....	50,952	30,395
Albany, N. Y.....	307,435	359,405
Allentown, Pa.....	165,730	151,776
Atlanta, Ga.....	252,776	334,246
Bakersfield, Cal.....	8,795	1,397
Baltimore, Md.....	541,791	557,799
Bayonne, N. J.....	102,594	32,784
Berkley, Cal.....	254,475	214,650
Birmingham, N. Y	175,123	155,208
Birmingham, Ala.	179,560	246,960
Boston, Mass.....		
(and vicinity).....	5,634,000	5,625,000
Bridgeport, Conn.	523,200	779,399
Brocton, Mass.....	256,965	82,257
Canton, Ohio.....	336,945	135,670
Cedar Rapids, Ia	291,000	135,000
Chattanooga.....	58,645	61,435
Chicago.....	11,056,700	7,612,500
Cincinnati.....	1,082,580	940,635
Cleveland.....	2,742,570	2,378,510
Colorado Springs.	16,583	15,355
Columbus.....	557,370	410,370
Dallas.....	311,440	142,125
Davenport.....	115,572	90,068
Denver.....	370,250	179,745
Des Moines.....	204,220	150,252
Detroit.....	4,941,635	2,669,265
Dubuque.....	45,134	33,650
Duluth.....	420,572	398,240
East Orange.....	112,398	66,729
East St. Louis.....	68,635	98,995
Elizabeth.....	251,646	109,611

Erie	353,983	155,254
Eureka, Cal.	15,600	15,600
Evansville	115,452	56,711
Fort Wayne	335,875	173,250
Fort Worth	87,138	52,553
Fresno, Cal.	167,166	71,901
Grand Rapids	460,153	216,907
Harrisburgh	126,155	221,950
Hartford	814,703	462,252
Haverhill	135,500	94,150
Hoboken	16,489	61,150
Holyoke	116,520	93,015
Huntington	76,751	114,495
Indianapolis	779,792	526,631
Jacksonville	213,307	100,830
Kansas City, Kans.	117,547	72,532
Kansas City, Mo.	94,425	752,244
Lincoln	144,935	137,540
Long Beach, Cal.	167,266	55,190
Los Angeles, Cal.	1,607,522	997,210
Louisville	260,145	332,420
Manchester	137,702	316,911
Memphis	320,640	285,275
Minneapolis	1,686,935	1,358,523
Montgomery	54,245	70,288
Newark	1,307,541	770,881
New Bedford	29,252	210,150
New Haven	257,580	451,023
New Orleans	611,932	279,737
New York City	26,616,500	12,286,756
Manhattan	18,322,110	4,292,190
Brooklyn	4,162,609	4,526,677
Bronx	2,322,278	1,286,041
Queens	1,346,111	1,747,073
Richmond, S. I.	523,262	316,781
Oakland, Cal.	123,192	395,477
Oklahoma City	113,675	85,322
Omaha	604,900	594,590
Oxasadena, Cal.	99,161	163,383
Pasadena	162,520	61,910
Pateron	121,114	317,500
Peoria	116,625	178,754
Philadelphia	5,417,115	3,873,850
Pittsburgh	940,762	1,212,475
Portland, Ore.	983,215	160,093
Quincy	269,129	120,611
Reading	69,750	152,900
Richmond, Cal.	20,205	8,283
Rochester	662,042	960,637
Sacramento, Cal.	303,012	94,499
Salt Lake City	219,650	199,955
San Antonio	169,450	98,223
San Diego, Cal.	98,725	82,577
San Francisco, Cal.	1,411,181	1,679,023
San Jose, Cal.	77,086	23,376
Santa Rosa, Cal.	3,520	10,045
Savannah	97,050	115,580
Schenectady	118,493	91,883
Seranton	228,056	243,491
Seattle, Wash.	447,390	631,045
Sioux City	526,250	150,250
South Bend	66,721	91,477
Spokane, Wash.	138,415	210,390
Springfield, Ill.	95,123	157,222
Springfield, Mass.	898,918	451,533
St. Joseph	35,310	74,983
St. Louis	1,215,520	1,465,699
St. Paul	1,206,075	1,169,940
Stockton, Cal.	60,800	70,611
Superior	187,120	73,948
Tacoma, Wash.	204,617	56,828
Tampa	61,320	240,266
Terra Haute	74,415	28,850
Toledo	595,101	762,845
Topeka	37,625	39,065
Trenton	286,249	486,636

Troy	55,753	93,475
Utica	129,725	272,400
Washington, D. C.	1,040,487	1,142,482
Wilkes-Barre	117,351	58,111
Wilmingon	231,575	105,296
Worcester	660,152	348,148
Youngstown	279,025	433,080
Total	\$91,531,762	\$65,241,379

Certain good people, who are opposed to any demonstration in the matter of preparedness, talk a great length on the matter of the evils of militarism. They say that the whole caste ought to be killed off and the entire system abolished. But when one asks them for a concrete plan as to how they are going to effect this desired end they immediately launch into a long-winded discussion as to how it ought to be done, that all the nations of the earth should abandon military preparations and obey the moral law, which to a practical person, who has applied what reasoning power he has to the logic of history, appears to be the merest moonshine. It reminds one of the "Peace Conventions" which were held in the Northern States during our Civil War. When the very life of the nation hung trembling in the balance, when the primal law of force was appealed to, and the great Lincoln stood as the mainstay of our institutions, these mutts met in solemn convention and whereased and resolutely tried to impede the progress of the settlement of the great question in the only way it could be settled. So when one sees a peace ship sailing for Europe, trying to wish a peace on a country, whose every right under God and human laws has been violated, one wonders whether or not the heads of these advocates could not be put to better use in the manufacture of knife handles than for the purpose of thinking.

The anti-preparedness league would oppose armaments with words, they would deliver a lecture to a savage, and reform a burglar with a printed sermon. That is all right if it would work. But will it work? In the light of human history we would say most emphatically, no!

Those of us who believe that our industries should be organized to the end that in the event of war they can be readily turned into implements of defense, that we should have a navy, and a merchant marine sufficient to make us independent and protect our cities and our coast in case of need and that our youth be given such training in the schools as will make them efficient soldiers when called for defense, believe we are taking the only practical and common sense way of assuring our future peace and prosperity and in maintaining our higher duties to human liberty and the rights of the common man throughout the world.

The great hue and cry of the Pacifists is that this preparedness demonstration is in the interest of the munitions manufacturers. That the manufacturer of munitions or arms would profit by the sale of his goods goes without saying. But it in no way affects the logic of situation. It would be just as reasonable to say that the religious enthusiasts were working in the interest of the publisher of Bibles so far as the reasoning is concerned. And the fact that inventors, machinists,

and military men are one in demanding that our industries and our citizens be placed in a condition for defense argues no more for the munitions manufacturer than it does for the honesty of the technical man who knows his business and the danger that lies in wait.

Certainly the owners of the Steamship Titanic deserved the censure and ostracism of society for their failure to provide life boats for the passengers on the great ship. How many times more would they deserve it, if after their first disaster, they had refused to make any preparation but had passed around prayer books among their employees and passengers and endeavored to avert disaster in that manner.

The water was cold but when the ship struck everybody had to get right out into it. Only a few were left to tell the tale. The most of the real men aboard lie deep under the waves of the North Atlantic and out of that great disaster has come a lesson that will perhaps make human life safer in travel and will compel selfish humanity to prepare to meet disaster.

So out of this great disaster that has taken the flower of the manhood and the womanhood of little Belgium, has reduced fair and fruitful countries to sodden battlefields and has made common deeds of frightfulness unknown for more than a century we may learn a lesson, and that is, that we must prepare in order to prevent its repetition; that our integrity and our duty to the cause of human liberty be not lost sight of in the conflict of primal force.

Freedom of speech and freedom of the press are oftentimes abused under governments like our own. Private owners of newspapers that furnish the news to the public farm out their papers to the people who pay the highest price or they are often the mouthpiece of some crooked minded individual who has some fad he wants to force on mankind. We have sublime examples of this misuse of the public press in this city and in this state. Governor Johnson had to effect all his reforms without the aid and against the sinister influence of the millionaire owned daily papers. The people had to meet and effect their own reforms in spite of the influences that controlled the ordinary methods of publicity.

So in this preparedness parade we seek to give expression to the independent thought of the people in a manner that will show their independence of the proprietors who publish, and who purport to edit the daily newspapers. What newspaper is there here that would champion anything that they couldn't shoulder and carry off and claim credit for the whole thing? Hearst's headline in the Examiner is that our first duty is to preserve peace and our next duty is to prepare for war, and, following the instincts of the polecat, in which mold the Lord made him, he proceeds to besmirch and befool everybody and everything in order to magnify the microscopic personality of William Randolph Hearst. The Chronicle is always on the side of the special interests and no one expects De Young to advocate anything for the common good; the Call is a colorless merchant of the news, owned by the Hearst interests, and Fremont Older of the Bul-

letin is crazy on the subject of the righteousness of criminals; as a matter of course he would advocate peace under any circumstances, carry flowers to the murderer of little children and exalt the most hideous criminal in the world. Under such circumstances what opportunity has the ordinary citizen, who has the brains and the courage to think for himself, to reach his fellow men except in such a thing as a parade or some such manner of expression of his sentiments.

As Governor Johnson well said, at a recent meeting of the Progressives, that true patriotism should be founded on love of country, inspired by the opportunity and equal protection of the laws which that country affords all its citizens. This state of affairs can only exist when the average citizen takes an active interest and takes personal charge of the business of looking after the affairs of the country. Governor Johnson has succeeded in arousing this interest, has succeeded in spite of the millionaire-owned newspapers, and as a result California today stands at the head of all the states in the efficient manner in which its government is administered and in the opportunity it furnishes to all its citizens.

That a lot of old time machine politicians are identified with the preparedness movement in no way detracts from its merits. It is the business of the politician to jump on the bandwagon and beat the drum if he can. He tries to head any movement that he thinks will be popular and he is always a burning patriot, for that is the first element of success. What we want is to get an expression of the sentiment and the judgment of the intelligent citizenry of this country on a question that has been, and is, the first concern of this nation and every other nation and individual in the world. Self preservation is the first law of nature.

CRANES FOR MARE ISLAND.

VALLEJO, Cal.—The McMyer Interstate Crane Company of Cleveland, Ohio, which was recently awarded the contract to furnish two building slip cranes for Mare Island, promise to have the weight lifters in commission by next February. The cranes are to be of the revolving type and will be modern every particular.

HIGHWAY CONTRACTS WILL TOTAL \$185,000.

SACRAMENTO, Cal.—One hundred and eighty-five thousand and fifty-eight dollars' worth of state highway contracts have been let this week by the Highway Commission.

The contracts call for highway work in seven different counties of the State, including:

Placer county—Between Roseville and Penryn.

San Mateo County—Between Beresford and Redwood City.

Contra Costa County—From the southern county boundary to the city limits of Richmond.

Humboldt County—Between Loleta and Beatrice.

Ventura County—Between Springfield and Santa Clara river.

Marin County—From Larkspur to Sausalito.

Glenn County—A bridge over Walker creek.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SEATTLE, WASH.—Apartment house, 4 story and base, brick, \$65,000. Architect, R. Hamilton Rowe, Mutual Life Bldg., Seattle. Owner, E. A. Hartley & Co. Location, First avenue and West Highland, covering an area of 59 by 130 feet. Will contain 42 suites of three rooms each. Plans being completed.

Contracts Awarded.

OAKLAND, CAL.—Apartment house and stores, 3 story and base, framed, \$24,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, M. Ellis. Contractor, E. P. Schmidt, Oakland. Contract price, \$24,000.

BONDS

FRESNO, FRESNO CO., CAL.—Fresno's half million dollar municipal bonds for the construction of a sanitary and storm water sewer system have been sold by the City Council to Byrne & McDonnell and R. M. Grant & Company of San Francisco on their premium of \$11,408. City Engineer, B. E. Cronkite reports that plans for the work are complete and will be ready for figures for the approval of the Council at their meeting in August.

FRESNO, FRESNO CO., CAL.—The County Board of Supervisors has set October 31st as the date to hold a \$2,600,000 highway bond issue.

TRACY, SAN JOAQUIN CO., CAL.—The City Trustees will soon call a special bond election to vote bonds of \$20,000, of which \$15,000 will be used to purchase a site and erect a new firehouse and the balance, \$5,000, for the equipment.

DINUBA, TULARE CO., CAL.—A committee has been appointed by the Masonic Order of Dinuba to find ways and means of erecting a two-story brick lodge building.

PLACERVILLE, EL DORADO CO., CAL.—The Placerville Grammar School bonds have been sold by the City Council and bids for the erection of the new school to be erected from the proceeds of the sale will be called for shortly. The bonds sold amounted to \$35,000.

MARTINEZ, CONTRA COSTA CO., CAL.—The election held to vote bonds of \$51,000 carried by a large majority. A one and two story brick or frame school building will be erected from the proceeds of the sale of the bonds.

MODESTO, STANISLAUS CO., CAL.—A special election for the voting of high school bonds has been called for August 15th by the Modesto Board of Education. This is the second election within the year. The first, held last spring, carried by an overwhelming vote for \$160,000 bonds for a new high school, but the bonds were declared illegal by Attorney General Webb.

BRIDGES, DAMS AND HARBOR WORK

RED BLUFF, TEHAMA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor Red Bluff. Owners, Tehama County. The County Supervisors have instructed the Clerk to advertise for bids for a bridge over Antelope Creek and another one over Long Gulch Slough. Plans may be had from County Clerk H. G. Kuhn.

RED BLUFF, TEHAMA CO., CAL.—Bridge, steel and concrete. Cost not stated. Engineer, County Surveyor Red Bluff. Owners, Tehama County. Bids will be opened on August 9th at 10 a. m. for the construction of a steel bridge over Digger Creek where the present old bridge is located on the road from Manton to Volta, and said bridge being a joint bridge between Shasta and Tehama Counties.

RED BLUFF, TEHAMA CO., CAL.—Bridge, steel and concrete. Cost not stated. Engineer, County Surveyor Red Bluff. Owners, Tehama County. At the last meeting of the County Supervisors plans and specifications were ordered drawn by the County Surveyor for a joint bridge across the Bee Gum between this county and Shasta. Plans and specifications were also ordered for another joint bridge at Manton.

UKIAH, MENDOCINO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Bids will be opened on August 5th at 2 p. m. for constructing a reinforced concrete bridge over Forsyth Creek near Calpella in the Second Road District. Construction of bridge complete. Price per cubic yard concrete in place. Contractors must make their bids, figuring on receiving no money until the work is completed, as no payments whatever will be made on said work until the bridge is fully completed and regularly accepted by said Board.

MERCED, MERCED CO., CAL.—Bridges, steel and concrete. Cost not stated. Engineer, County Surveyor, Merced. Owners, Merced County. The County Supervisors at their last meeting instructed the County Surveyor to prepare plans and specifications for the following bridges throughout the county: Road District No. 1—Wood and concrete bridge over Black Rascal Creek on McKee road. Road District No. 2—Wood and concrete bridge over Mariposa Creek on Pate road. Wood and concrete bridge over Deadman's Creek on Baxter road. Road District No. 3—Wood and concrete bridge over Canal Creek on Oakdale and Cox Ferry road. Road District No. 4—Reinforced concrete bridge over lower canal at Sullivan ranch. Reinforced concrete bridge over San Luis Creek on Middle road near Iverson's. The Supervisors requested that the plans be presented as soon as possible for approval.

SAN JOSE, SANTA CLARA CO., CAL.—Bridges, steel and concrete. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. The County Engineer at the last meeting of the Santa Clara County Supervisors was instructed to prepare plans and specifications for the construction of the following bridges: Bridge on the Uvas road over Booth Creek; bridge on the Almaden road near the Schuman place; bridge on Almaden road south of the Guadalupe Creek near the Cooney place.

SAN FRANCISCO—Bridge repairs. Cost not stated. Engineer, City Engineer, City Hall. Owners, City and County of San Francisco. The San Francisco Board of Public Works has approved the plans and specifications for the proposed Third street bridge, and has requested the Supervisors to adopt an ordinance authorizing the receipt of bids for the work.

OAKLAND, CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Oakland. Owners, Alameda County. Bids will be opened on July 31st at 10 a. m. for the construction of a reinforced concrete bridge on the Cull Canyon road across the Crow Canyon Creek, Eden Road District, Eden Township.

SAN FRANCISCO—Wharf additions, timber pile. Cost not stated. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Bids will be opened on August 3rd for the construction of additions to Pier No. 43. Plans can be secured from the State Board of Harbor Commissioners.

SANTA ROSA, SONOMA CO., CAL.—Bridge, steel and reinforced concrete. Cost not stated. Engineers, Leonard & Day, Kialto Bldg., S. F. Owners, Sonoma County. All bids on the Markham bridge were rejected by the Board of Supervisors in a resolution which set forth that the bids were all too high, and that the project was not to be given up, but that the Board would readvertise for bids in March, 1917.

OROVILLE, BUTTE CO., CAL.—Bridges, 2 reinforced concrete. Cost not stated. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be opened on August 11th at 2 p. m. for the construction of two 60-foot trestle bridges on the lower Pratt-Grant road.

SANTA ANA, ORANGE CO., CAL.—Bridge, reinforced concrete, \$40,000. Engineer, S. H. Finley, Santa Ana. Owners, Orange County. S. H. Finley is completing plans for a concrete bridge to be constructed across the Santa Ana River on West Chapman street, West Orange. The bridge will be 574 feet long, with a roadway of 21 feet, and have two center spans 51 feet apart, and the end spans 26 feet, similar in design to the Talbert and Olive bridges.

Contracts Awarded.

STOCKTON, SAN JOAQUIN CO., CAL.—Bridge, concrete, \$1,597. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors,

Jacobs & Sayles, 530 East Acacia street Stockton. Contract price, \$1,597.

MARYSVILLE, YUBA CO., CAL.—Bridge, steel and concrete, \$5,000. Engineer, County Surveyor, Marysville. Owners, Yuba County. Contractors, Jenkins & Wells, 3533 Y street, Sacramento. Contract price, \$5,000.

OROVILLE, BUTTE CO., CAL.—Bridge, steel and concrete, \$3,260. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, E. D. Sharp, Chico. Contract price, \$3,260.

SAN JOSE, SANTA CLARA CO., CAL.—Bridge, concrete, \$1,600. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Contractor, A. Mattson, South San Francisco. Contract price, \$1,600.

VENICE, LOS ANGELES CO., CAL.—Bulkhead, reinforced concrete and timber, \$125,000. Engineer's name not given. Owners, Town of Venice. Contractors, Braun, Bryant & Austin, Venice. Contract price, \$125,000.

CHURCHES

SAN FRANCISCO—Mission, 2 story and base, brick. Cost not stated. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Chinese M. E. Mission. Location, northwest corner of Stockton and Washington streets. Building partly constructed and figures being taken for its completion.

ARCATA, HUMBOLDT CO., CAL.—Church, 1 story and base, frame, \$8,000. Architect, Frank T. Georgeson, Georgeson Bldg., Eureka. Owners, Arcata Presbyterian Church. Location, G street, covering an area of 27 by 40 feet. Will contain auditorium and Sunday school room. Plans complete and figures being taken.

ASTORIA, ORE.—Church, 1 story, brick and frame, \$22,000. Architects, Whitehouse & Foulhoux, Wilcox Bldg., Portland. Owners, Methodist Episcopal Church. Will contain an auditorium seating 300 people. Sunday school rooms seating 200 people and a large balcony. Plans complete and figures being taken.

Contracts Awarded

SEATTLE, WASH.—Church rehabilitation, steel and terra cotta, \$125,000. Architect, John Graham, Green Bldg., Seattle. Owners, St. James Cathedral. Contractor, P. A. Baillargeon, New York Block, Seattle. Contract price, \$125,000.

COURT HOUSES

WOODLAND, YOLO CO., CAL.—Court house, 2 story and base, reinforced concrete and steel, \$175,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Yolo County. Bids will be received on August 14th at 1:30 p. m. for the general construction, heating, ventilating, vacuum cleaning, clock system, electric work, plumbing and roofing. Plans can be secured from the office of the architect.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Laundry, 2 story, frame, \$3,000. Architect, A. R. Denke, Nevada Bank Bldg., S. F. Owner, Pong Suey. Location, east Ritch street of Harrison street. Will contain laundry on the first floor and rooms above. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Factory plant, 4 story and base, reinforced concrete,

\$250,000. Architect's name not given. Owners, American Ever Ready Co., 755 Folsom street, S. F. Location, northeast corner Eighth and Brannan, covering an area of 275 by 275 feet. Further mention will be made of the work when an architect is selected.

FRESNO, FRESNO CO., CAL.—Warehouse alterations, frame, \$3,000. Architect, none. Owners, Guggenheim & Co., Santa Fe and Santa Clara streets, Fresno. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Shop and barn, steel and brick. Cost not stated. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. A complete list of the bids opened for the construction of the new buildings in the corporation yards will be found under the heading of Oakland and Alameda County in this issue.

OAKLAND, CAL.—Storage warehouse, 5 story with 9 story tower, reinforced concrete, \$75,000. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owners, Lyon Storage and Moving Co. Contractor, P. A. Muller, Syndicate Bldg., Oakland. Contractor is now taking subfigures on all parts of this work.

EMERYVILLE, ALAMEDA CO., CAL.—Warehouse, 1 story, brick. Cost not stated. Architect, James H. Humphrey, Wells-Fargo Bldg., S. F. Owners, In-laid Floor Co. Location, Watts street, covering an area of 14,000 square feet. Kins will also be erected. Plans complete and figures being taken.

Contracts Awarded.

WINEVILLE, RIVERSIDE CO., CAL.—Wine storage plant, 2 story and base, brick and frame, \$60,000. Architects, Morgan, Walls & Morgan, Van Nuys Bldg., L. A. Owners, Italian Vineyard Co. Contractors, Alpeter & Alpeter, L. A. Contract price, \$60,000.

GARAGES

OAKLAND, CAL.—Garage, 1 story and base, brick, \$6,500. Architects, Newsom & Newsom, 1748 Broadway, Oakland. Owner, M. F. Smith. Location, east Brook south of Broadway. Designed for a commercial garage. Plans complete and work to be done by Day Labor.

REDDING, SHASTA CO., CAL.—Garage, 2 story and base, frame, \$5,000. Architect, none. Owner, E. A. Hersey, 311 Yuba street, Redding. Location, Yuba street, covering an area of 70 by 100 feet. Designed for a commercial garage. Plans complete but figures will not be called for before a month.

GOVERNMENT WORK & SUPPLIES

Denver, Colo., Grille Gates.

The contract for installing six sliding grille gates for three mail lifts in the U. S. post office at Denver, Colo., has been awarded to E. Burkhardt & Sons, of Denver, Colo., at \$900; time 60 days.

Wenatchee, Wash., Post Office.

On June 1 the proposal of Bird & Hobson, of Wenatchee, Wash., the lowest bidders for the construction of the U. S. post office building at Wenatchee, Wash., in amount \$78,618, was accepted, based up on the use of Wilkins sandstone. The bidders now state that they made an error in their figure

and decline to accept the contract. The supervising architect has rejected all bids and the work will be readvertised.

Denver, Colo., Steel Shelving.

The contract for installing steel shelving in the U. S. post office at Denver, Colo., has been awarded to The Steel Fixture Mfg. Co., Topeka, Kans., at \$381.40; time 90 days.

Pendleton, Ore., Vault Shelving.

The contract for installing metal vault shelving in the U. S. post office at Pendleton, Ore., has been awarded to The Steel Fixture Mfg. Co., Topeka, Kans., at \$325.50.

Lander, Wyo., Drainage System.

The following bids were received by the custodian, U. S. post office, Lander, Wyo., recently for change in drainage system at the above building:

Unsigned bid, Lander, Wyo., \$3,140; 60 days.

John P. Harrison, Lander, Wyo., \$3,500; 65 days.

Jicarillo Indian School, N. Mex., Building.

The contract for the construction of frame hospital building at the Jicarillo Indian School, N. Mex., bids for which were opened June 15, has been awarded to W. D. Lovell, Minneapolis, Minn., at \$12,740.

Tiburon, Cal., Dredging.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for dredging at the naval coal depot, Tiburon, Cal.:

Item 1, price for cubic yard in place for dredging and disposal of earth and loose rock material; 1-A, time for completion of work; 2, price per cubic yard in place for dredging and disposal of all soft rock material that requires blasting to loosen; 2-A, time for completion of work under item 2.

R. A. Perry, Oakland, Cal., item 1, 23c; 1-A, 20 days; 2, \$6.80; 2-A, 90 days.

Marshall C. Harris, San Francisco, Cal., item 1, 30c; 1-A, 60 days; 2, \$2.45; 2-A, 20 days.

S. F. Bridge Co., San Francisco, Cal., item 1, 19.3c; 1-A, 18 days; 2, \$5.19; 2-A, 40 days.

HALLS AND SOCIETY BUILDINGS.

SACRAMENTO, CAL.—Lodge hall and stores, 5 story and base. Class A construction. Cost not stated. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Masonic Temple Association. Location, 12th and J streets, covering an area of 100 by 160 feet. Will contain stores on first floor, lodge rooms and offices above. Preliminary plans only prepared.

MILL VALLEY, MARIN CO., CAL.—Country Club, 1 story, frame and plaster. Cost not stated. Architect, A. A. Cantlin, Foxcroft Bldg., S. F. Owners, Mill Valley Country Club. Location, Blithdale Road. Will contain social rooms, banquet hall and completely equipped kitchen. Plans complete and figures to be taken at once.

CENTRALIA, WASH.—Lodge hall, 2 story and base, brick, \$45,000. Architects, Stephen & Stephen, New York Block, Seattle. Owners, Elks Hall Association. Will cover an area of 60 by 120 feet and contain stores on the first floor. Upper floors arranged for

lodge rooms. Plans complete and figures to be called for shortly.

HOSPITALS

SAN FRANCISCO—Hospital wards, 2, 2 story and base, reinforced concrete, \$18,000 each. Architect, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Location, Letterman General Hospital, Presidio of San Francisco. Each building will cover an area of 25 by 78 feet, 4 inches. Plans being prepared.

SAN FRANCISCO—Central emergency hospital, 2 story. Class A construction, \$78,140. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. Location, Civic Center. Anderson & Ringrose submitted the lowest figures for the general construction at \$78,140. A complete list of the bids received will be found under the heading of San Francisco in this issue.

SAN FRANCISCO—Hospital electric work, \$19,887. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. L. Flatland submitted the low figures for the electric work in the southeast wing of the San Francisco Hospital and will probably be awarded the contract.

SACRAMENTO, CAL.—Hospital, 5 story and base, reinforced concrete, -175,000. Architect, R. A. Herold, Forum Bldg., Sacramento. Owner, Dr. John L. White. Location, 29th and J streets. Only preliminary plans have been prepared.

COLUSA, COLUSA CO., CAL.—Hospital painting. Cost not stated. Architect, none. Owners, Colusa County. Bids will be opened on August 8th for painting the County Hospital buildings.

HOTELS

QUINCY, PLUMAS CO., CAL.—Hotel, 2 story and base, cement block. Cost not stated. Architect, none. Owners, William Hemstock Co., Quincy. Will cover an area of 100 by 75 feet and contain 50 rooms besides, lobby and dining room. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Hotel, 10 story and base, reinforced concrete, \$200,000. Architects, John M. Cooper and W. Douglas Lee, Marsh-Strong Bldg., L. A. Owner, J. M. Cooper. Location, south Sixth street near Hope, covering an area of 75 by 103 feet. Will contain 261 rooms and 150 baths. Plans complete and segregated figures being taken.

Contracts Awarded

LOS ANGELES, CAL.—Hotel, 3 story and base. Class C construction, \$40,000. Architect, A. B. Rosenthal, Lankershim Bldg., L. A. Owner, Col. J. B. Lankershim. Contracts have been awarded as follows: Carpenter work, mill work and finish to John Herington, 6922 Hawthorne avenue, L. A.; brick and concrete work to Stradley & Newton, Builders' Exchange, L. A.; plastering to Duncan & Westberg, Builders' Exchange L. A.; sheet metal work and fireproof windows to Arcade Cornice Works; painting to E. Waynon; roofing to Paraffine Paint Co.; plumbing and steam heating to S. C. Brown; electric work to the Electric Lighting & Supply Co.; glass to the Los Angeles Glass Co.; structural steel and iron to the Baker Iron Works, and marble and tile work to Joseph Musto Sons-Keenan Co.

LIBRARIES

SAN FRANCISCO—Library, 2 story and base, steel and terra cotta, \$45,000. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owners, City and County of San Francisco. Location, 18th avenue and Irving street. Will contain two reading rooms, auditorium and work room. Plans complete and figures to be called for early in August.

MADERA, MADERA CO., CAL.—Library, 1 story and base, brick, \$12,500. Architects, Coates & Traver, Fresno. Owners, City of Madera. Will cover an area of 96 by 48 feet and contain two reading rooms, stack room and office. Plans approved and figures to be called for at once.

POWER IMPROVEMENTS

SAN FRANCISCO—Water system improvements, \$80,000. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Plans prepared by the Constructing Quartermaster's Office at Fort Mason for improvement to Lobos Creek water supply in the Presidio of San Francisco have been forwarded to Washington for approval. Included in this work is the construction of a reinforced concrete dam, headworks, cast iron delivery main, sedimentation tank 60x60x12 feet of reinforced concrete, piping, filters, fencing, and a retaining wall. The entire watershed will also be cleaned and put in order. An official proposal will appear in the Builder when the work is advertised.

SAN FRANCISCO—Machinery for water project. Cost not stated. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened on August 9th by the Board of Public Works for two separate contracts for furnishing machinery and electric supplies for the Hetch Hetchy project.

WOODLAND, YOLO CO., CAL.—Boring wells. Cost not stated. Engineer, City Engineer, Woodland. Owners, City of Woodland. Bids for boring wells for the city water works have been ordered received by the City Council. The bids will be opened at the next meeting which is set for August 7th.

Contracts Awarded.

SAN FRANCISCO—Office, etc., 1 story, frame. Cost not stated. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contractor, F. Rolandi, S. F. Contract covers construction of offices and quarters at Hetch Hetchy.

POST OFFICES

WENATCHEE, WASH.—Post office, 2 story and base, steel and stone. Cost not stated. Architect, Supervising Architect, Washington. D. C. Owners United States Government. All bids received at Washington, D. C., for the construction of the proposed U. S. Wenatchee post office have been rejected and a new call for bids will be issued. On June 1 the proposal of Bird & Hobson, contractors of Wenatchee, the lowest bidders for the construction of the building, in amount \$78,018, was accepted, based upon the use of Wilkins sandstone. The bidders since stated they made an error in their figure and declined to accept the contract.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN FRANCISCO—Freight shed, 1 story, timber and steel. Cost not stated. Engineer, Engineering Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Location, Berry street. Work to be done by Day Labor. Will cover an area of 60 by 350 feet.

Contracts Awarded.

KEDDIE, PLUMAS CO., CAL.—Railroad construction. Cost not stated. Engineer's name not given. Owners, Indian Valley Railroad Co. Contractors, Utah Construction Co., Phelan Bldg., S. F. Contract calls for 24 miles of broad gauge road.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$10,000. Architects, Bliss & Paville, Balboa Bldg., S. F. Owner, Dr. Mary E. Botsford. Location, Francisco and Hyde streets. Will contain ten rooms, three baths and garage. Plans complete and figures being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owners, Oscar Heyman & Bro., 212 Market street, S. F. Location, east 22d avenue south of Geary. Will contain six rooms, bath and sun porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame. Cost not stated. Architects, Reid Bros., California-Pacific Bldg., S. F. Owner, J. R. Hanify. Location, north Vallejo west of Scott. Will contain twelve rooms, three baths and sleeping porch. Contract awarded for excavating. Balance of work being figured.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, G. H. Noble, 2320 Central avenue, Alameda. Location 908 Willow street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, J. L. Lomhard, 62 Farragut street, Oakland. Location, east King south of Farragut. Will contain seven rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, F. N. Strang, 805 Pacific avenue, Alameda. Location, Nova Piedmont. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 2 story and base, frame, \$2,250 each. Architect, none. Owner, W. E. Boyd, 4175 Park Boulevard, Oakland. Location, east Santa Ray south of Viona. Will contain five rooms and bath each. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$2,500 each. Architect, none. Owner, P. E. Woodburn, 2965 Greenwood, Oakland. Location, west Townsend south of Everett. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residence, 1½ story and base, frame, \$2,500. Architect, none. Owner, S. V. Nichols, 2225 Parker avenue, Berkeley. Location, north Park Boulevard west of Greenwood. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Allan P. Joyner, 1004 71st avenue, Oakland. Location, southeast Brice and Hopkins streets. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL. — Residence, 1 story and base, frame, \$1,500. Architect, none. Owners, West End Building Association, 1526 Webster street, Alameda. Location, 521 Taylor street. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL. — Residences, 2, 1 story and base, frame, \$1,000 each. Architect, none. Owner, C. H. Allison, 34 Brookside, Berkeley. Location, 1214 to 18 Parker. Each house will contain four rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residences, 3, 1 story and base, frame, \$3,000 each. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, south Montana west of Maple. Each will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residences, 2, 2 story and base, frame, \$2,000 each. Architect, J. T. Holloway, 4132 Grove St., Oakland. Location, east Grove north of 46th street. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, I. A. Kellogg, 3404 Champion street, Oakland. Location, south Kanning west of High. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, Fred M. Fabing, 3515 13th avenue, Oakland. Location, north Hampel west of Park Boulevard. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL. — Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, G. H. Noble, 2220 Central avenue, Alameda. Location, 1185 Broadway. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residences, 2, 1 story and base, frame, \$1,500 each. Architect, none. Owner, May E. Richardson. Location, south 42nd street east of Lincoln. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, H. M. Swalley, Walker and Cheney streets, Oakland. Location, east Walker, south of Cottage. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL. — Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, 3219 Garfield avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL. — Residence, 1 story and base, frame, \$1,500. Architect, none. Owners, Oakland Investment Co., Golden Gate avenue and Cross Roads, Berkeley. Location, west Ordway south of Sonoma. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL. — Residence, 2 story and base, frame. Cost not stated. Architect, James T. Narbett, 704 Macdonald avenue, Richmond. Owner, Gottlieb Messerle. Location, 10th street between Barrett and Ripley. Will contain seven rooms, bath and sleeping porch. Plans complete and figures being taken.

SAN FRANCISCO — Residence, 2 story and base, frame, \$10,000. Architect, Charles C. Fryc, 20 Montgomery street, S. F. Owner's name withheld. Location, Forest Hill. Will contain eleven rooms, three baths and separate garage. Plans being prepared.

SAN FRANCISCO — Residence alterations, 2 story and base, frame, \$4,000. Architects, Heffernan & Matanovich, Hewes Bldg., S. F. Owner, M. Matanovich. Location, east 23rd avenue north of Clement. Work will consist of new interior trim, plumbing, painting, plastering and electric work. Plans being prepared.

Contracts Awarded.

LA HONDA, SAN MATEO CO., CAL. — Swimming tank, reinforced concrete, \$17,000. Architect, none. Owner, Mayor James Ralph, Jr. Contractors, McLaren & Peterson, Sharon Bldg., S. F. Contract price, \$17,000.

REDLANDS, SAN BERNARDINO CO., CAL. — Residence, 2 story and base, hollow tile, \$25,000. Architect, Elmer Grey. Wright and Callender Bldg., L. A. Owner's name withheld. Contractor, Davis Donald, 10 5th street, Redlands. Contract price, \$25,000.

SCHOOLS

PALO ALTO, SANTA CLARA CO., CAL. — School, 1 story and base. Class C construction, \$20,000. Architect, John J. Donovan, Dalziel Bldg., Oakland. Owners, Stanford School District. Robert Glaze, Humboldt Bank Bldg., S. F. presented the lowest figure for this work at \$20,950 and will probably be awarded the contract. A complete list of the bids received will be found under the heading of San Jose and the Santa Clara Valley.

WATSONVILLE, SANTA CRUZ CO., CAL. — Schools, 1 and 2 story, reinforced concrete and frame. Cost as follows. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Watsonville. Architect Weeks has just been selected to prepare plans for two new school buildings. The high school will cost \$100,000 while a smaller building, designed for a primary school, will be erected at a cost of \$15,000. Further mention will be made when plans are prepared.

DANVILLE, CONTRA COSTA CO., CAL. — School, 1 story and base, frame, \$12,500. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, Dan-

ville School District. Will contain six class rooms and an assembly hall. Plans complete and figures being taken. Bids to be opened between August 12th and 15th.

SAN FRANCISCO — School addition, 2 story, frame, \$30,000. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Will be erected at the Mission High School, 18th and Dolores streets. Plans ready for figures in three weeks.

SAN FRANCISCO — College alterations. Class C construction, \$20,000. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Regents of the University of California. A complete list of the bids received for alterations to the Dental College will be found under the heading of San Francisco in this issue.

MADISON SCHOOL DISTRICT, FRESNO CO., CAL. — School, 1 story, frame. Cost not stated. Architect, none. Owners, Madison School District. Will contain two rooms. Plans complete and figures being taken. Bids close on August 3rd.

WASCO, KERN CO., CAL. — School, 1 story, brick, concrete and frame. Cost not stated. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Wasco Union High School District. Bids will be opened on August 15th at 2 p. m. for the general construction, including pump house, water system and heating.

LARKIN VALLEY SCHOOL DISTRICT, SANTA CRUZ CO., CAL. — School, 1 story, frame. Cost not stated. Architect, none. Owners, Larkin Valley School District. Bids will be opened on July 31st for a one-room school.

GOODING, IDAHO — Sectarian college group, 1, 2 and 2 story, reinforced concrete, \$200,000. Architects, Tourtelotte & Hummel, Rothchild Bldg., Portland. Owners, Methodist Church of Idaho. First unit, administration building to cost \$50,000. This is the first of the group of buildings that the college will put up on a 40-acre campus adjoining the town of Gooding. The trustees are planning to follow it with half a dozen other structures to be erected as rapidly as funds become available. Included in the proposed group of buildings will be a science hall, dormitories and a building for the agricultural department. There is \$200,000 available for buildings and grounds, which will be used for this purpose. The administration building will be constructed of Boise cut stone. In it are to be located an auditorium, class rooms, study halls and the administration offices.

Contracts Awarded.

NELSON, BUTTE CO., CAL. — School, 1 story and base, brick, \$6,947. Architect, Chester Cole, Chico. Owners, Nelson School District. Contractors, Barton & Hite, 620 26th street, Sacramento. Contract price, \$6,947.

PORT ANGELES, WASH. — School, 2 story and base, brick, \$19,065. Architect, H. H. Gionold, Northern Bank Bldg., Seattle. Owners, City of Port Angeles. Contractors, Columbia Construction and Engineering Co., 2045 West 15th street, Seattle. Contract price, \$19,065.

MARTINEZ, CONTRA COSTA CO., CAL. — School, 1 story, frame addition, \$2,200. Architect, none. Owners, Alhambra School District. Contractor, A. W. Potter, Martinez. Contract price, \$2,200.

YUBA CITY, SUTTER CO., CAL.—School addition, 1 story and base, frame, \$3,222. Architect's name not given. Owners, Lincoln School District. Contractor, J. O. Palm, Marysville. Contract price, \$3,222.

SAN FRANCISCO — School electric work, \$5,898. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Contractor, F. E. Newberry, 163 Sutter street, S. F. Contract price, \$5,898.

SEWERS, STREET WORK & WATER SYSTEMS

VALLEJO, SOLANO CO., CAL. — Street improvements. Cost as follows. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. City Engineer T. D. Kilkenny has presented plans and specifications to the City Council together with estimates, etc., for the improvement of streets in the northern district, which includes all unimproved streets east of Sacramento and north of Capitol street, the cost of which is placed at \$141,573.86. Of this sum \$126,158.39 represents the total construction cost, and incidental expenses will amount to \$5,415.47. Among the largest items in the estimate of cost are concrete base, \$60,345.20; excavating, \$25,311.60; asphaltic concrete surface, \$22,551.45; concrete curbs, \$13,484.45. The Council has passed the resolution of intention providing for the grading and paving of portions of Butte, Branciforte, Santa Clara, Sacramento, Marin, Sonoma, Sutter, Napa, El Dorado, Capitol, Florida, Louisiana, Tennessee, Indiana, Illinois and Arkansas streets.

BERKELEY, ALAMEDA CO., CAL. — Culverts, reinforced concrete. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids opened by the City Council at its last meeting for the construction of concrete culverts in Talbot avenue and Ordway street to cross Cornucopia Creek were rejected as being excessive. It is probable that new bids will be called.

HANFORD, KINGS CO., CAL. — Highway construction. Cost not stated. Engineer, County Surveyor, Hanford. Owners, Kings County. The County Supervisors have rejected the bids received on the construction of the Guernsey-Dallas unit and the lateral three miles east of Guernsey, the Board believing the bids too high. It is probable that new bids will be called.

HANFORD, KINGS CO., CAL. — Highway construction. Cost not stated. Engineer, County Surveyor, Hanford. Owners, Kings County. The Board of Supervisors has instructed County Clerk Pickerill to advertise for the construction of 17½ miles of the improved highway system. One of the units will run south of Armona five miles, and three miles south of Armona a lateral will run two miles west. Another unit will run 5½ miles west of Grangeville, and also one mile south from Grangeville to the Yoakum corner three miles west of this city. The bids will be opened on August 7th. Plans may be had from the County Clerk.

REDDING, SHASTA CO., CAL. — Electrolier system. Cost not stated. Engineer, City Engineer, Redding. Owners, City of Redding. The City Trustees have directed the City Engineer to purchase and install 14 elec-

trolliers on the business streets—Market, California and Yuba.

SAN RAFAEL, MARIN CO., CAL. — Street improvements. Cost not stated. Engineer, City Engineer, San Rafael. Bids will be opened on August 7th at 8 p. m. for doing the following work, including the furnishing of the necessary labor and materials therefor in the city of San Rafael, to wit: Covering the existing macadamized roadway of G street between West End avenue and 5th avenue with a bituminous wearing surface.

SANTA ROSA, SONOMA CO., CAL. — Furnishing asphalt. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners City of Santa Rosa. Bids will be opened on August 1st for the furnishing of a twenty-ton carload of asphalt of 65 to 75 degrees penetration, to the city of Santa Rosa. Delivery to be f. o. b. Santa Rosa.

REDWOOD CITY, SAN MATEO CO., CAL. — Highway improvements. Cost as follows. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. At the County Supervisors' last meeting a communication was received from Edward M. Chadbourn, 503 Market street, San Francisco, offering to construct a bitcrete wearing surface on the Hillsborough to Poor Farm road for the unit price of 1.16¢ per square foot, the figures covering an application of 1½ gallons to the square yard. The cost of the work would amount to approximately \$1,177.60. Accompanying the communication was a letter from Eaton & Smith, 407 11th street, San Francisco, the contractors on the above road, offering to make a deduction of three-quarters of a cent if the oil and screenings are omitted from their contract. The matter was referred to the County Engineer for report.

REDWOOD CITY, SAN MATEO CO., CAL. — Highway improvements. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on August 7th at 10 a. m. for the surfacing with oil and screenings a portion of the Redwood City to San Gregorio road, beginning at Station 167-91, Route 6, Division 3, Section 2, of San Mateo County Highway, at the first crossing of the San Gregorio Creek, and extending along said road to a point at the junction of the county highway from Half Moon Bay to San Gregorio at San Gregorio, Station 561-60, Route 6, Division 3, Section 4 of San Mateo County Highways, located in the Fifth Road District.

REDWOOD CITY, SAN MATEO CO., CAL. — Highway improvements. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on August 7th at 10 a. m. for the paving with oiled macadam of Seminary avenue, beginning at its intersection with the State Highway near the San Mateo City Homestead, and extending in a general westerly direction 0.544 of a mile, located in the Second Road District.

MENLO PARK, SAN MATEO CO., CAL. — Sewer construction. Cost not stated. Engineer's name not given. Owners, Menlo Park Sanitary District. Bids will be opened on August 8th at 10 a. m. for the construction of a sewer on county road and Alejandro avenue, Menlo Park Sanitary District.

REDWOOD CITY, SAN MATEO CO., CAL. — Culvert pipe. Cost not stated. Engineer, none. Owners, San Mateo County. Supervisor Brown at the last meeting of the Board was instructed to purchase the following culvert pipe for use in his district: 46 feet of 18-inch pipe; 196 feet of 12-inch and 60 feet of 15-inch.

REDWOOD CITY, SAN MATEO CO., CAL. — Highway improvements. Cost stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on August 7th at 10 a. m. for the paving with oiled macadam of Mills avenue and that portion of Laurel avenue between Ravenswood avenue and Glenwood avenue, Menlo Park, San Mateo County, Cal. Total length to be paved is 0.593 of a mile, located in the Third Road District.

REDWOOD CITY, SAN MATEO CO., CAL. — Highway improvements. Cost stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on August 7th at 10 a. m. for the construction of macadam shoulders along the Redwood to San Gregorio road, from Station 131-50 to Station 214-60, Route 6, Division 1 of San Mateo County Highways, a distance of 1.543 miles, located in the Third Road District.

SACRAMENTO, CAL. — Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on August 1st for street improvements authorized under the following resolutions: That Sacramento avenue from the south line of Y street to the north line of Magnolia avenue, be improved by constructing concrete curb concrete gutter, placing placing 6-foot cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; 2 concrete manholes, and 6 8-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb, constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick.

That Y street, from the east line of 30th to the east line of 31st street, be improved, constructing concrete curb, concrete gutter, placing two cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; 6-inch, vitrified, ironstone sewer pipe drains, grading the space between the property lines and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

That 12th street from the north line of R street to the north line of W st. be improved by reconstructing 3 concrete manholes and 1 concrete catch basins; grading the roadway, and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Further information may be had from M. J. Desmond, City Clerk, at Sacramento.

BAKERSFIELD, KERN CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on August 6th at 2:30 p. m. for the construction of two miles of paving on Bellevue road, five miles southwest of Bakersfield. The paving will commence at the northeast corner of Section 5, Township 30 South, Range 27 East, M. D. M. and run west two miles. The paving will be constructed with a 4-inch concrete base and either a Topoka Top wearing surface or an asphaltic oil wearing surface. The contractors must specify to which kind of paving their bids apply.

VISALIA, TULARE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Visalia. Owners, City of Visalia. The Trustees reissued the call for bids on the South Garden street paving, to cover the error made in the recent call. Plans may be had from the City Clerk.

LOS ANGELES, CAL.—Highway construction, \$132,885.25. Engineer, Road Commission, L. A. Owners, Los Angeles County. The Road Commission has completed plans and specifications for improving Section D of the Mint Canyon road. The section is 10.63 miles in length, and will be paved with concrete 20 feet wide and 5 inches thick. The approximate quantities are 94,275 cubic yards of excavation, 56,158 linear feet of shaping road bed, 22,000 linear feet of guard fence, 11,123 pounds of reinforcing steel, 336 cubic yards of Class A concrete for culverts and headwalls, 124,793 square yards of concrete pavement. The county will furnish 23,231 barrels of cement, 261 tons of lime and 1,486 barrels of oil. The estimated cost is \$125,493.75. Bids will also be taken on proposition B, which is the same as above except that the county will furnish 12,716 tons of sand, 20,760 tons of broken stone and 2,559 tons of screenings from the county plant.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Highway construction, \$28,000. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Bids will be opened on August 4th for the construction of a portion of what is known as the Harris Station-Lompoc road, in the Fourth and Fifth Road Districts. Said road begins at Station B of the State highway near Harris Station and runs southerly towards Lompoc 4.18 miles.

Contracts Awarded.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded as follows. For the improvement of 24th street from Bonita avenue to 3rd avenue, in West Curtis Oaks, by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch elbows attached, concrete manholes, 6 and 8-inch, vitrified, ironstone sewer pipe drains, grading the space between the property line and curb, concrete sidewalks, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Telchert, Ochsner Bldg., Sacramento.

For the improvement of the alley next west of Hawley avenue from

south Carnell avenue to north Schley avenue by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with 34 6-inch, vitrified, ironstone Y branches, etc., concrete manhole complete, and backfilling trench. Awarded to J. W. Terrell, 1111 29th street, Sacramento.

For the improvement of J street from Mont Clair avenue to Apricot avenue by excavating a trench and constructing therein 8, 10, 12, 15 and 18-inch, vitrified, ironstone pipe sewer and 16 concrete manholes; also three 8-inch, vitrified, ironstone pipe inlets in manholes. Awarded to J. W. Terrell, 1111 29th street, Sacramento.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, San Francisco. The following contracts have been awarded for street improvements: For the improvement of Anderson street between Cortland and Crescent avenues by grading, concrete curbs, artificial stone sidewalks, brick catchbasins with cast iron frames, gratings and traps and 10-inch, vitrified, salt-glazed, ironstone pipe culverts, 8 and 10-inch, vitrified, salt-glazed, ironstone pipe sewer, a 14-inch central strip of vitrified brick pavement, an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphalt wearing surface on the remainder of the roadway. Awarded to D. L. Bienfield, Phelan Bldg., for \$10,919.68.

For the improvement of Wilde street between Rutland and Goettingen Sts. by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 10-inch, 72 Y branches and 6 brick manholes with cast iron frames and covers and galvanized wrought iron steps. Awarded to W. J. Tobin, 735 Filbert street, Oakland, for \$2,564.25.

For the improvement of Teddy avenue between Alpha and Rutland streets by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8-inch with 48 Y branches and 2 brick manholes. Awarded to W. J. Tobin, 735 Filbert street, Oakland, for \$867.90.

For the improvement of the west half of Arguello Boulevard between lines respectively distant 225 feet and 250 feet south from Geary street, by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation with a 2-inch asphaltic wearing surface upon the roadway thereof. Awarded to D. L. Bienfield, Phelan Bldg., for \$224.

For the improvement of the crossing of 19th and Sanchez streets by resetting to grading exist curbs and catchbasins, construct artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation on the roadway thereof. Awarded to R. Nugent, 2165 Market street, for \$1,194.35.

For the improvement of Rivera street between the west line of 22nd avenue and the west line of 23rd avenue, where not already improved, by grading, construct concrete curbs, artificial stone sidewalks 6 feet wide, a broken rock pavement on roadway and the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with 1 brick manhole and 18 Y branches. Awarded to Owen McHugh, 204 Russ Bldg., for \$1,557.85.

For the improvement of Irving street between the west line of 20th avenue and the west line of 21st avenue by

constructing concrete curbs, artificial stone sidewalks 6 feet wide and the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with 9 Y branches, 5 brick catchbasins with 10-inch, vitrified, salt-glazed, ironstone pipe culverts and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The Fay Improvement Co., Phelan Bldg., for \$4,150.62.

For the improvement of Judah street between 19th and 20th avenues by grading, concrete curbs, artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to the Federal Construction Co., 323 Sharon Bldg., under private contract.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving, \$33,000. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractor, Paul Schnoor, 5905 Claremont avenue, Oakland. Contract price, \$33,000.

OAKLAND, CAL.—Street paving. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contractors, Oakland Paving Co., 5900 Broadway, Oakland. Contract price not stated. Hutchinson Co., 13th and Franklin streets, Oakland. Contract price not stated.

BERKELEY, ALAMEDA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contractors, Oakland Paving Co., 5900 Broadway, Oakland. Contract price not stated.

LOS ANGELES, CAL.—Street improvements, \$21,021.64. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Contractor, J. Helm, Stimson Bldg., L. A. Contract price, \$21,021.64.

RIVERSIDE, RIVERSIDE CO., CAL.—Street paving, \$35,495.14. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Johnson-Shea Co., 500 Market street, Riverside. Contract price, \$35,495.14.

SAN FRANCISCO—Esplanade, \$25,573. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractor, J. D. Hannah, Chronicle Bldg., S. F. Contract price, \$25,573.

STORES AND OFFICES

SAN FRANCISCO—Stores and offices, 12 story and base. Class A construction, \$175,000. Architects, Wood & Simpson, 110 State street, S. F. Owner, John S. Drum, Savings Union, S. F. Location, southwest corner of Market and Second streets. Will contain stores on the first floor and offices above. Plans complete and segregated figures being taken by the owner.

SAN FRANCISCO—Cafe alterations and additions, 1 story, frame, \$2,000. Architects, O'Brien Bros., 246 Montgomery street, S. F. Owner, Shorty Roberts. Location, Great Highway. Plans complete and figures being taken.

SAN FRANCISCO—Stores and lofts, 6 story and base, reinforced concrete. Cost not stated. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, John A. Hooper. Location, west Battery between Pine and California. Will contain stores on the first floor

and light lofts above. Plans complete and segregated figures being taken.

SAN ANSELMO, MARIN CO., CAL.—Store, 1 story and base, brick. Cost not stated. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Will cover an area of 41 by 120 feet and contain several modern stores. Plans complete and figures being taken.

THEATRES

SAN FRANCISCO—Theatre, 2 story story and base. Class A construction. Cost not stated. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, Market Street Realty Co. Location, southeast corner of Market and Fourth streets. Figures are now being taken for wrecking the buildings at the southeast corner of 1th and Market streets and a contract will shortly be awarded for the work. Bids will be called for shortly for the excavating and concrete work. The Golden Gate Iron Works have already been awarded a contract for the structural steel. A large theatre building is to be erected on that site by the Market Street Realty Co. The theatre will have a seating capacity of 3,000 people.

SEALED PROPOSALS

PROPOSALS FOR BRIDGE.

BRIDGE SPANS—Department of the Interior, Office of Indian Affairs, Washington, D. C. July 5, 1916.—Sealed proposals plainly marked on the outside of the sealed envelope "Proposals for Material for two Steel Spans for Bridge, Klamath Indian Reservation, Oregon," and addressed to the commissioner of Indian Affairs, Washington, D. C. will be received at the Indian Office until 2 o'clock p. m. of August 7, 1916, for furnishing of material only required for the construction of two steel bridge spans, one 20-foot span and one 60-foot span, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at the United States Indian warehouse at San Francisco, Cal., and at the office of the superintendent of the Klamath Indian Agency, Klamath Agency, Ore. CATO SELLS, commissioner.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Sealed proposals will be received at the office of the United States Reclamation Service, Powell, Wyo., until 2 o'clock p. m. August 18, 1916, for the construction of canals on the Shoshone project, Wyoming, involving about 372,000 cubic yards of excavation. The work is located near the stations of the Mantua and Frannie, Wyo., on the C. B. & O. Railroad. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Powell, Wyo. WILL R. KING, acting director.

PROPOSALS FOR STEEL AND IRON PARTS.

STEEL AND IRON PARTS—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Washington, D. C. until 2 o'clock p. m. July 31, 1916, for furnishing steel and cast iron parts for the movable crest of the Shoshone spillway, Mile River project, Montana. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Browning, Mont. WILL R. KING, acting director.

PROPOSALS FOR EARTHWORK.

EARTHWORK—Sealed proposals will be received at the office of the United States Reclamation Service, Malta, Mont., until 2 o'clock p. m. August 14, 1916, for earthwork, Nelson Reservoir, South Canal, Milk River project, involving about 617,000 cubic yards of excavation. The work is lo-

cated in the vicinity of Saco and Beaverton, Mont., on the Great Northern Railway. For particulars address the United States Reclamation Service, Malta, Mont.; Denver, Colo., or Washington, D. C. WILL R. KING, acting director.

PROPOSALS FOR EXCAVATION.

EXCAVATION—Department of the Interior, United States Reclamation Service, Denver, Colo.—Sealed proposals will be received at the office of the United States Reclamation Service, Carlsbad, N. M., until 2 o'clock p. m. August 1, 1916, for work involving excavation of about 15,000 cubic yards of material. The work is located about 15 miles northwest of Carlsbad, N. M., on the Atchison, Topeka and Santa Fe Railway. For particulars address the United States Reclamation Service, Denver, Colo., or Carlsbad, N. M. A. P. DAVIS, chief engineer.

NOTICE TO CONTRACTORS.

NOTICE is hereby given that the undersigned, Trustees of Independent School District of San Joaquin County, State of California, will receive bids for furnishing all material and labor necessary for the erection of a one-story, wood frame school building containing one class room, according to plans and specifications prepared by Architect Ralph P. Adams, O. O. F. Building, Stockton, California, at the offices of the architect in said I. O. O. F. Building, up to the hour of two 2 o'clock p. m. on Friday, July 2, 1916.

Plans and specifications may be seen at the office of and obtained from the architect. Bids must be made on forms obtained from the architect. Bids must be accompanied by a certified check of 10 per cent of bid, or its equivalent, payable to the Board of Trustees of Independent School District, as security that the successful bidder will within five days after award of contract enter into a contract according to said plans and specifications, within sixty working days, and will furnish a good and sufficient bond acceptable to the undersigned Board of Trustees in the amount of one-half of the contract price and conditioned for the good and faithful performance of said contract.

Bids so received up to two (2) o'clock p. m. on July 28, 1916, will be opened at that hour at the office of the Architect.

Dated July 11, 1916. J. C. BRAAS, Clerk of the Board of Trustees of Independent School District.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS to triplicate for constructing a Water and Sewer System at Presidio of San Francisco, Cal., will be received here until 11 A. M. July 27, 1916, and then opened. Further information on application. (*)

PROPOSALS FOR BUILDING.

BUILDING—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals plainly marked on the outside of the sealed envelope "Proposals for School and Quarters Building, Camp Verde, Ariz.," and addressed to the commissioner of Indian Affairs, Washington, D. C. will be received at the Indian Office until 2 o'clock p. m. of July 28, 1916, for furnishing materials and labor for the construction of a combination stone day school and quarters building in strict accordance with the plans, specifications and instructions to bidders, which may be examined at the United States Indian warehouse at San Francisco, Cal., and at the office of the superintendent of the Camp Verde Indian School, Camp Verde, Ariz. For further information apply to the superintendent of the Camp Verde School. CATO SELLS, commissioner.

PROPOSALS FOR DREDGE.

DREDGE—Sealed proposals indorsed "Proposals for Dredge" will be received at the bureau of yards and docks, Navy Department, Washington, until 11 o'clock a. m. August 12, 1916, and then and there publicly opened,

for a gravity awing, 3-ton, bucket dredge for the navy yard, Mare Island, Cal. Plans and specification can be obtained on application to the bureau or to the commandant of the navy yard named. F. R. HARRIS, chief of bureau.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals, indorsed "Proposals for Superintendent's Residence and Hatchery Building, Springville, Utah," and inclosed in an envelope addressed to commissioner of fisheries, Department of Commerce, Washington, D. C., will be received at this office until 2 o'clock p. m. July 28, 1916, and then opened, for the construction of superintendent's residence and hatchery building at the fisheries station, Springville, Utah. For blank proposals, specifications, etc., address commissioner of fisheries, Washington, D. C.

SALE OF MATERIALS.

PANAMA CIRCULAR 1057—Proposals for the Purchase of Locomotives offered for sale by the Panama Canal and Which Are No Longer Needed.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. August 23, 1916, at which time they will be opened in public, for purchasing the above mentioned articles, blanks and general information relating to this circular (No. 1057) may be obtained from this office or the office of the assistant purchasing agent, San Francisco, San Francisco, Cal., also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

BRIDGE BIDS WANTED.

SAN ANDREAS, Calaveras Co., Cal.—BIDS will be received up to 1 P. M. August 14th, by the Calaveras County Supervisors for the construction of a reinforced concrete bridge over the North Fork of the Calaveras River, on the line of the State Highway between the towns of San Andreas and Valley Springs in Calaveras County, about two miles between the town of San Andreas and about three-quarters of a mile down stream from present wooden bridge across the said stream.

Plans and further information may be had from A. W. Poe, Clerk of the Board of Supervisors at San Andreas, California.

NOTE—This is not an official proposal. Official proposal may be seen in the "Calaveras Weekly Citizen," published at San Andreas. (*)

TRUCKEE RIVER IRRIGATION.

PYRAMID—Water sufficient to irrigate from 25,000 to 30,000 acres of land will be conserved by the new Irrigation dam which probably will be erected this year on the Truckee River in the Pyramid Lake Indian reservation according to Supt. J. D. Oliver. The sum of \$85,000 was appropriated by the present Congress for irrigation on the reservation.

SWIMMING POOL AND PARK ARE PLANNED.

ROSEVILLE (Placer Co.)—Steps are being taken here to organize a company to establish a swimming pool and recreation park.

Local capital is expected to subscribe \$20,000 for the project. A tank fifty by eighty feet is planned.

A clean garbage can is a good example to the family?

Filth breeds flies—flies carry fever? Slouchy postures menace health? Health brings happiness—sickness sorrow?

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, San Francisco. The following contracts have been awarded for street improvements: For the improvement of Anderson street, between Cortland and Crescent avenue, by grading, concrete curbs, artificial stone sidewalks, brick catchbasins with cast iron frames, gratings and traps, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts, 8 and 10-inch, vitrified, salt-glazed, ironstone pipe sewer, a 14-foot central strip of vitrified brick pavement, an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphalt wearing surface on the remainder of the roadway. Awarded to D. L. Bienfeld, Phelan Bldg., for \$10,919.68.

For the improvement of Wilde street, between Rutland and Goettingen Sts., by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 10-inch, 72 Y branches and 6 brick manholes with cast iron frames and covers and galvanized, wrought iron steps. Awarded to W. J. Tobin, 135 Filbert street, Oakland, for \$2,564.25.

For the improvement of Teddy avenue between Alpha and Rutland streets by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8-inch with 48 Y branches and 2 brick manholes. Awarded to W. J. Tobin, 735 Filbert street, Oakland, for \$867.90.

For the improvement of the west half of Arguello Boulevard between Hines respectively distant 225 feet and 250 feet south from Geary street by the construction of an asphalt pavement consisting of a 6-inch concrete foundation with a 2-inch asphaltic wearing surface upon the roadway thereof. Awarded to D. L. Bienfeld, Phelan Bldg., for \$224.

For the improvement of the crossing of 19th and Sanchez streets by resetting and grade existing curbs and catchbasins, construct artificial stone sidewalks and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to R. Nugent, 2165 Market street, for \$1,194.35.

For the improvement of Rivera street between the west line of 22nd avenue and the west line of 23rd avenue, where not already improved, by grading, construct concrete curbs, artificial stone sidewalks 6 feet wide, a broken rock pavement on roadway and the following vitrified, salt-glazed ironstone pipe sewers and appurtenances: 8 and 12-inch, with 1 brick manhole, and 18 Y branches. Awarded to Owen McHugh, 304 Russ Bldg., for \$1,557.85.

For the improvement of Irving St. between the west line of 20th avenue and the west line of 21st avenue where not already improved by grading, constructing concrete curbs, artificial

stone sidewalks 6 feet wide and the following salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with 9 Y branches, 5 brick catchbasins with 10-inch, vitrified, salt-glazed, ironstone pipe culverts and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The Pay Improvement Co., Phelan Bldg., for \$4,159.62.

For the improvement of Judah street between 19th and 20th avenues by grading, concrete curbs, artificial stone sidewalks and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to the Federal Construction Co., 323 Sharon Bldg., under private contract.

RESIDENCE — 2 story and base, frame, \$10,000. San Francisco. Architects, Bliss & Faville, Balboa Bldg., S. F. Owner, Dr. Mary E. Botsford. Location, Francisco and Hyde streets. Will contain ten rooms, three baths and garage. Plans complete and figures being taken.

RESIDENCE — 2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Oscar Heyman & Bro., 243 Market street, S. F. Location, east 23rd avenue south of Geary. Will contain six rooms, bath and sun porch. Plans complete and work to be done by Day Labor.

RESIDENCE — 2 story and base, frame. Cost not stated. San Francisco. Architects, Reid Bros., California-Pacific Bldg., S. F. Owner, J. R. Hanify. Location, north Vallejo west of Scott. Will contain twelve rooms, three baths and sleeping porch. Contract awarded for excavating. Balance of work being figured.

RESIDENCE — 2 story and base, frame, \$10,000. San Francisco. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. Location, Forest Hill. Will contain eleven rooms, three baths and separate garage. Plans being prepared.

RESIDENCE ALTERATIONS — 2 story and base, frame, \$4,000. San Francisco. Architects, Heferman & Matanovich, Hewes Bldg., S. F. Owner, M. Matanovich. Location, east 23rd avenue north of Clement. Work will consist of new interior trim, plumbing, plastering and electric work. Plans being prepared.

WHARF ADDITIONS—Timber pile. Cost not stated. San Francisco. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Bids will be opened on August 3rd for the construction of additions, to Pier No. 43. Plans can be secured from the State Board of Harbor Commissioners.

MISSION—2 story and base, brick. Cost not stated. San Francisco. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Chinese M. E. Mission. Location, northwest corner of Stockton and Washington streets.

Building partly constructed and figures being taken for its completion.

LAUNDRY—2 story, frame, \$3,000. San Francisco. Architect, A. R. Denke, Nevada Bank Bldg., S. F. Owner, Fong Suey. Location, east Ritch north of Harrison street. Will contain laundry on the first floor and rooms above. Plans complete and work to be done by Day Labor.

FACTORY PLANT—4 story and base, reinforced concrete, \$250,000. San Francisco. Architect's name not given. Owners, American Ever Ready Co., 755 Folsom street, S. F. Location, northeast corner Eighth and Brannan, covering an area of 275 by 275 feet. Further mention will be made of the work when an architect is selected.

HOSPITAL WARD—2, 2 story and base, reinforced concrete, \$18,000 each. San Francisco. Architect, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Location, Letterman General Hospital, Presidio of San Francisco. Each building will cover an area of 25 by 78 feet 4 inches. Plans being prepared.

CENTRAL EMERGENCY HOSPITAL—2 story. Class A construction, \$78,110. San Francisco. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. Location, Civic Center. Anderson & Ringrose submitted the lowest figures for the general construction at \$78,110. A complete list of the bids received will be found under the heading of San Francisco in this issue.

HOSPITAL ELECTRIC WORK—\$19,387. San Francisco. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. L. Flatland submitted the southwest wing of the San Francisco figure for the electric work in co hospital and will probably be awarded the contract.

WATER SYSTEM IMPROVEMENTS—\$80,000. San Francisco. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Plans prepared by the Constructing Quartermaster's Office at Fort Mason for improvement to Lobos Creek water supply in the Presidio of San Francisco have been forwarded to Washington for approval. Included in this work is the construction of a reinforced concrete dam, headworks, cast iron delivery main sedimentation tank, 60x60x12 feet of reinforced concrete, piping, filters, fencing, and a retaining wall. The entire watershed will also be cleaned and put in order. An official proposal will appear in the Builder when the work is advertised.

MACHINERY FOR WATER PROJECT—Cost not stated. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened on August 9th by the Board of Public Works for two separate contracts for furnishing machinery and electric supplies for the Hetch Hetchy project.

FRIGH SHED—1 story, timber and steel. Cost not stated. San Francisco.

Engineer, Engineering Dept. Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Location, Berry street. Work to be done by Day Labor. Will cover an area of 60 by 350 feet.

SCHOOL, ADDITION—2 story, frame, \$20,000. San Francisco. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Will be erected at the Mission High School, 13th and Dolores streets. Plans ready for figures in three weeks.

COLLEGE ALTERATIONS—Class C construction, \$20,000. San Francisco. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Regents of the University of California. A complete list of the bids received for alterations to the Dental College will be found under the heading of San Francisco in this issue.

STORES AND OFFICES—12 story and base. Class A construction, \$175,000. San Francisco. Architects, Wood & Simpson, 110 Sutter street, S. F. Owner, John S. Drum, Savings Union, S. F. Location, southwest corner of Market and Second streets. Will contain stores on the first floor and offices above. Plans complete and segregated figures being taken by the owner.

CAFE ALTERATIONS AND ADDITIONS—1 story, frame, \$2,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Shorty Roberts. Location, Great Highway. Plans complete and figures being taken.

STORES AND LOFTS—6 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, John A. Hooper. Location, west Battery between Pine and California. Will contain stores on the first floor and light lofts above. Plans complete and segregated figures being taken.

THEATRE—2 story and base. Class A construction. Cost not stated. San Francisco. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, Market Street Realty Co. Location, southwest corner of Market and Fourth streets. Figures are now being taken for wrecking the buildings at the southeast corner of 4th and Market streets, and a contract for the work will shortly be awarded. Bids will be called for shortly for the excavating and concrete work. The Golden Gate Iron Works have already been awarded a contract for the structural steel. A large theatre building is to be erected on the site by the Market Street Realty Co. The theatre will have a seating capacity of 3,000 people.

Contracts Awarded

ESPLANADE—\$25,873. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractor, J. D. Hannah, Chronicle Bldg., S. F. Contract price, \$25,873.

OFFICE, EC—1 story, frame. Cost not stated. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contractor, F. Rolandi, S. F. Contract covers construction of offices and quarters at Hetch Hetchy.

SCHOOL ELECTRIC WORK—\$5,898. San Francisco. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Contractor, P. E. Newberry, 163 Sutter street, S. F. Contract price, \$5,898.

LIBRARY—2 story and base, steel and terra cotta. \$45,000. San Francisco. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owners, City and County of San Francisco. Location, 18th avenue and Irving street. Will contain two reading rooms, auditorium and work room. Plans complete and figures to be called for early in August.

City Bids Opened.

Bids Opened by The Board of Public Works for General Construction of Central Emergency Hospital.

Bids were opened at the regular Wednesday meeting of the San Francisco Board of Public Works for the general construction of the new Central Emergency Hospital; for Section "B" of the Ocean Esplanade and for the alterations to the balcony in the Civic Center Auditorium. Plans for the emergency Hospital were prepared by Architect John Reid Jr., First National Bank Bldg. Following is a complete list of the bids as opened:

General Construction, Emergency Hospital.

Lindgren Co.	\$97,620
A. Kohn	92,450
C. L. Wold	89,800
P. F. Reilly	89,906
Newsom & Henning	87,755
O. Monson	84,750
Ward & Goodwin	88,900
Anderson & Ringrose (low)	78,140

Section "B," Ocean Beach Esplanade.

J. D. Hannah	\$25,873
C. E. Lambruth (low)	23,900

Civic Auditorium Balcony Alterations.

Newsom & Henning (low)	\$4,180
David Graham	4,490

Bids Received For U. of C. Work.

Ten Sets of Figures Opened by the Regents of the University of California.

Bids were opened by the Regents of the University of California Thursday afternoon in the offices of Architect Lewis P. Hobart, Crocker Bldg., for alterations and additions to the Dental College Building at the Affiliated Colleges. Following is a complete list of the bids received:

Dental College Alterations.

Anderson & Ringrose	\$21,470	\$20,570
Ehrhart Constr. Co.	21,178	17,850
Monson Bros.	17,554	15,947
Isidor Kissel	20,592	17,643
Lester H. Stock	19,604	17,016
Williams Bros & Henderson	19,645	17,171
W. D. Henderson	20,637	17,532
Farrell & Reed	19,500	17,200
McLeran & Peterson	18,000	15,300
Collman & Duncan	19,940	17,172

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2131	Harris	Keen	1301
2132	Moriarty	Chase	2075
2133	Halsey	Cobby	2308
2134	S P Co.	Van Sant	26753
2135	Kohn	Koschinski	3296
2136	Hooper	Fennell	3270
2137	Same	Same	125
2129	Favilla	Hansen	600

2130	Johnson	Warden	950
2138	Iarkin	Brumfield	700
2139	Callaghan Est.	Owner	500
2140	Perret	Brueck	400
2141	Hunken	Rasmussen	500
2142	Kohler	Miller	400
2143	Columbia Outfit	Ballay	500
2144	Harrison	Kronnick	400
2145	Helwig	Halling	400
2146	Gately	Gately	500
2147	Hottle	Collins	500
2148	Wells Fargo	Emanuel	700
2149	Davis	Davis	750
2150	McClaff	Burns	7100
2151	Wellman	O'Neill	900
2152	O'Neal	O'Neal	2000
2153	S P Co.	Dolan	7000
2154	Manno	Farnochia	1100
2155	Alleg	Watson	2325
2156	O'Brien	Petry	2490
2157	Siccardi	McLeod	1166
2158	Kohl	Mission	500
2159	Ranchard	Brown	900
2160	Beck	Hansen	500
2161	Connolly	Smith	500
2162	Murray	Murray	500
2163	Donahue	Donahue	500
2164	Migliorri	Migliorri	500
2165	Metropolis Invst.	Owner	800
2166	O'Brien	O'Brien	400
2167	Davis	Burns	800
2168	Zalles	Fontel	500
2169	Heyman	Heyman	1900
2170	Rialto	Novelly	500
2171	Metzner	Metzner	400
2172	Wolf	Wolf	500
2173	Heyman	Heyman	2500
2174	White	Moore	18000
2175	Remedia	Loan Pinkerton	870

ALTERATIONS

(2129) NO. 1431 LOMBARD. Alter store and flats. Owner.....C. Favilla, 1132 Montgomery, San Francisco. Architect.....None. Contractor.....Hansen & Gaddini, 1872 Union, San Francisco. COST, \$600

ALTERATIONS

(2130) NO. 2554 MISSION. Alter store Owner.....F. G. Johnson, Premises. Architect.....O. L. Johnson, Premises. Contractor.....Fred Warden, 354 Sussex, San Francisco. COST, \$950

ALTERATIONS

(2131) NO. 3445 WASHINGTON. All work for alterations and additions to four-story frame residence. Owner.....L. W. Harris, 100 Potrero Ave., San Francisco. Architect.....Ward & Blohne, Alaska Commercial Bldg., S. F. Contractor.....L. A. Kern, 3646 17th, San Francisco.

Filed July 18, '16. Dated July 13, '16. Every 10 days.....75% Usual 35 days.....25% TOTAL COST, \$1300 Bond, \$650. Surety, Roy Kern, Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

(2132) W BRIGHTON AVE 335 S Ocean Ave; Lot 43 Blk 4, Lakeview. All work for one-story and basement frame cottage. Owner.....Jno. and Grace Moriarty, 251 Brighton Ave., S. F. Architect.....Plans by Contractor. Contractor.....John G. Chase Jr., 180 Jessie, San Francisco.

Filed July 18, '16. Dated June 22, '16. Frame up.....\$537.50 Brown coated.....537.50 Completed and accepted.....400.00 Usual 35 days.....600.00 TOTAL COST, 2075.00

Bond, \$1037.50. Surety, The Aetna Accident & Liability Co. Limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

(2133) N CALIFORNIA 60 E Leidesdorff E 45xN 124. Marble work,

elevator grilles, furring, plastering and painting for alterations to four story and basement reinforced concrete building.

Owner.....N. W. Halsey & Co., 424 California, San Francisco.
Architect...Ward & Blohme, Alaska Commercial Bldg., S. F.
Contractor...J. W. Cobby, 180 Jessie San Francisco.

Filed July 18, '16. Dated July 11, '16.
Payments every 2 weeks of.... 75%
36 days after..... 25%
TOTAL COST, \$2305
Bond, \$1154. Sureties, A. D. Disston and A. C. Matthies. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

ALTERATIONS, ETC.

(2134) BLOCK BDED BY MARKET Spear, Mission and Stewart. All work for bracing and moving and altering of building known as Buckley Bldg to new position in said block. (Owner to furnish 750 bbls. of cement).
Owner.....Southern Pacific Co., Flood Bldg., San Francisco.

Architect...None.
Contractor...Van Sant-Houghton Co., 503 Market, San Francisco.
Filed July 18, '16. Dated July 12, '16.
End of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$36,783

Bond, \$19,000. Surety, Massachusetts Bonding & Insurance Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

GARAGE BUILDING

(2135) COM. AT POINT 150 N from NE Clement and Tenth Ave N 50xE 120. All work for one-story garage building.
Owner.....Phillip Kohn, Kohl Bldg., San Francisco.

Architect...Cunningham & Politeo Nevada Bank Bldg., S. F.
Contractor...J. Koschnitski, 1321 12th Ave., San Francisco.

Filed July 18, '16. Dated July 17, '16.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$3266.50

Bond, \$1634. Surety, National Surety Co. Limit, 70 days. Forfeit, \$5. Plans and specifications filed.

UNDERPINNING, ETC.

(2136) SE MARKET 45 SW Second SW 30 SE 91-6 SW 20 SE 43-6 NE 95 NW 42-6 SW 45 NW 91-6. All work for underpinning and shoring up walls of building known as Schwabacher Frey Building.

Owner.....Sophronia T. Hooper.
Architect...None.
Contractor...Jas. S. Fennell, 330 Frederick, San Francisco.

Filed July 18, '16. Dated July 17, '16.
Brick work completed and accepted.....\$2352.50
Usual 35 days..... 117.50
TOTAL COST, \$2320.00

Bond, \$3270. Sureties, D. J. Sullivan and H. C. Matthies. Limit, forfeit, none. Plans and specifications filed.

(2137) REMOVAL OF BASEMENT floor along N and E walls as required on above.

Contractor...Jas. S. Fennell, 330 Frederick, San Francisco.
Filed July 18, '16. Dated July 17, '16.
Completed and accepted.....\$93.75
Usual 35 days..... 31.25
TOTAL COST, \$125.00

Bond, limit, forfeit, none. Plans and specifications filed.

ELECTRIC SIGN

(2138) E LARKIN 100 N O'Farrell.
Electric sign.
Owner.....Larkin Theatre, 816 Larkin, San Francisco.
Architect...None.
Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.

COST, \$700

ALTERATIONS

(2139) NO. 1110 MARKET. Alter nickelodeon into 2 stores.
Owner.....Callaghan Estate, 1112 Market, San Francisco.
Architect...None.
Day's work.

COST, \$500

ALTERATIONS

(2140) NE BERLIN AND DWIGHT. Raise and alter dwelling.
Owner.....Eugene Perret, Premises.
Architect...None.
Contractor...Michael Brueck, 600 Charter Oak, S. F.

COST, \$400

CONCRETE FLOOR

(2141) SE GOUGH AND O'FARRELL. Concrete floor, etc.
Owner.....J. C. Hunken, Premises.
Architect...None.
Contractor...Rasmussen-Maillard, 110 Jessie, San Francisco.

COST, \$500

WINDOWS, ETC.

(2142) E JULIAN AVE 125 S 15th. Install windows and doors.
Owner.....H. Kohler, 125 Julian Ave., San Francisco.
Architect...None.
Contractor...Wm. Miller, 49 Park, S. F.

COST, \$400

ALTERATIONS

(2143) NO. 2352 MISSION. Alter store.
Owner.....Columbia Outfitting Co., Premises.
Architect...None.
Contractor...J. M. Bailey, 310 Excelsior San Francisco.

COST, \$500

OFFICE, ETC.

(2144) NE POST AND VAN NESS Ave. Build office and show rooms.
Owner.....H. O. Harrison Co., Prem.
Architect...None.
Contractor...Kronnick Bros., 1659 O'Farrell, S. F.

COST, \$400

FRAME SHED

(2145) FAIRFAX near QUINT. One-story frame shed.
Owner.....Legallet, Hellwig & Norton Co., Premises.
Architect...None.
Contractor...A. Halling, 378 Wildc, San Francisco.

COST, \$400

ALTERATIONS

(2146) NO. 611 EIGHTEENTH. Alter store.
Owner.....Jas. Gately, 703 Tennessee San Francisco.
Architect...None.
Day's work.

COST, \$500

CEMENT FLOOR

(2147) NOS. 2851-53 MISSION. Cement floor, etc.
Owner....."Hottie", 651 Clayton, S. F.
Architect...None.
Contractor...J. Collins, 581 Waller, S. F.

COST, \$500

ALTERATIONS

(2148) NE MARKET AND MONTGOMERY. Alter bank.
Owner.....Wells Fargo Nevada National Bank, Premises.
Architect...H. H. Winner Co., Nevada Bank Bldg., S. F.
Contractor...L. & E. Emanuel, Inc., 144 12th, San Francisco.

COST, \$700

REPAIRS

(2149) NO. 27 CARL. Repair fire damage.
Owner.....Mrs. R. V. Davis, 1000 Clayton, San Francisco.
Architect...None.
Day's work.

COST, \$750

FRAME SHED

(2150) FELTON, HAMILTON, SILLIMAN and HOLYOKE. One-story frame shed, building No. 2.
Owner.....H. Moffat Co., Balboa Bldg. San Francisco.

Architect...None.
Contractor...J. M. Burns, 1611 McKinnon, San Francisco.

COST, \$500

ALTERATIONS

(2151) NO. 311 EMBARCADERO. New partitions and alter store.
Owner.....Wellman Estate Co., Prem.
Architect...J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Contractor...Daniel O'Neill, 273 Minna, S. F.

COST, \$900

FRAME RESIDENCE

(2152) W THIRTY-EIGHTH AVE 130 S Clement. Two-story and basement frame residence.
Owner.....Miss M. O'Neal, 1950 Washington, San Francisco.

Architect...None.
Day's work.

COST, \$2000

WRECK BUILDING

(2153) BLOCK BDED BY MARKET Spear, Mission and Stewart. All work for wrecking buildings.
Owner.....Southern Pacific Co., Flood Bldg., San Francisco.

Architect...None.
Contractor...D. J. Dolan Wrecking & Constr. Co., 1726 Hayes, San Francisco.

Filed July 19, '16. Dated July 17, '16.
On completion contractor to pay owner.....\$1425

Contractor to pay owner, \$1425
Bond, \$855. Surety, New Amsterdam Casualty Co. Limit, 30 days. Forfeit, \$- Bonus, \$20 per day. Plans and specifications filed.

FRAME STORE AND FLATS

(2154) BEG AT PT. 221-6 N OF NW Int. Valencia and 26th N 36xW 90. All work for two two-story frame buildings(stores and flats).

Owner.....Thos. Maino, 1430 Valencia San Francisco.
Architect...P. Rightelli, Phelan Bldg., San Francisco.
Contractor...Farnocchia-Petri & Co., 1634 San Jose Ave., S. F.

Filed July 19, '16. Dated July 5, '16.
Rear building brown coated.....\$ 800.00
Rear building completed..... 900.00
Front building roofed..... 1812.50
Front and rear buildings completed and accepted..... 1812.50
Usual 35 days..... 1775.00

TOTAL COST, \$7100.00

Bond, \$3500. Sureties, G. Masca and L. Lombardi. Limit, 75 days. Forfeit, none. Plans and specifications filed.

BRICK WORK, ETC.

(2155) W FOLSOM 198 S 17th W 122-6 x S 150. Brick work, terra cotta flues, boiler installation, etc., for two story reinforced concrete dyeing and cleaning works.

Owner.....Jean Allec, 2148 Folsom, San Francisco.

Architect...August Headman, Call Bldg., San Francisco.

Contractor...Sage Watson, 40 7th, S. F. Filed July 19, '16. Dated July 14, '16.

On 1st of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$2235

Bond, \$1140. Sureties, G. W. Thomas and Sidney Watson. Limit, without delay. Forfeit, \$20. Plans and specifications filed.

ALTERATIONS

(2156) SW PIERCE AND OAK. Alterations and additions on Oak street frontage and entire floor to form a market in building.

Owner.....Chas. A. and Madeline M. O'Brien.

Architect...None.

Contractor...A. Petry, 336 Pierce, S. F. Filed July 20, '16. Dated July 18, '16.

Bulk of cement work done in basement, plaster removed and center girder set in market...\$622.00

Brown coated 623.00

Completed 622.50

Usual 35 days..... 622.50

TOTAL COST, \$2430.00

Bond, \$1245. Sureties, H. A. Norman and Phil Wesendunk. Limit, 45 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(2157) W LARKIN 112-6 N Lombard — 87-6 N 25 E 87-6 S 25. Plumbing, sewerage and gas fitting for two-story attic and basement frame flats.

Owner.....Angelina and L. Siccardi and A. Pedrini, 1325 Filbert San Francisco.

Architect...Albert Farr, 68 Post, S. F.

Contractor...J. J. McLeod, 1143 Golden Gate Ave., San Francisco.

Filed July 20, '16. Dated July 18, '16.

Roughed in\$437.01

Completed and accepted..... 437.00

Usual 35 days..... 292.05

TOTAL COST, \$1166.05

Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

MARBLE AND TILE FLOOR

(2158) NE CALIFORNIA & MONTGOMERY. Marble and tile floor.

Owner.....Kohl Bldg., Premises.....

Architect...None.

Contractor...Mission Marble Works, 363 Guerrero, San Francisco.

COST, \$500

EQUIPMENT YARD

(2159) SW GENEVA AND TARA. Construct equipment yard.

Owner.....Blanchard-Brown Co., 74 New Montgomery S. F.

Architect...None.

Day's work..... COST, \$900

ALTERATIONS

(2160) NO. 3646 SIXTEENTH. Alter dwelling.

Owner.....C. M. Beck.

Architect...None.

Contractor...C. W. Hansen, 110 Jessie, San Francisco.

COST, \$500

ALTERATIONS

(2161) SW OAK AND OCTAVIA. Alter dwelling.

Owner.....T. W. Connelley, 3415 Fulton, San Francisco.

Architect...None.

Contractor...W. H. Smith, 428 Collingwood, San Francisco.

COST, \$500

ALTERATIONS

(2162) NO. 867 FELL. Alter stable into bungalow.

Owner.....Isabelle J. Murray, Prem.

Architect...None.

Day's work..... COST, \$500

REPAIRS

(2163) NO. 2410 PACIFIC AVE. Repair fire damage.

Owner.....Mrs. Donahue, Premises.

Architect...None.

Contractor...J. W. Smith, 180 Jessie, San Francisco.

COST, \$500

ALTERATIONS

(2164) S CORTLAND AVE 28 E Folsom. Raise and alter dwelling.

Owner.....G. Migliorri, 119 Wool, San Francisco.

Architect...Louis Mastropasqua, 581 Washington, S. F.

Day's work..... COST, \$500

ALTERATIONS

(2165) E BRODERICK 25 S Page. Alter building into (2) flats.

Owner.....Metropolis Invst. Co., 331 Kearny, San Francisco.

Architect...None.

Day's work..... COST, \$800

ALTERATIONS

(2166) NO. 922 INGERSEN. Raise and alter building.

Owner.....R. O'Brien, Premises.

Architect...None.

Day's work..... COST, \$400

ALTERATIONS

(2167) NO. 2558 MISSION. Alter store front.

Owner.....W. R. Davis, 936 Market San Francisco.

Architect...Earle B. Bertz, 2832 Union San Francisco.

Contractor...J. Reed, 1330 O'Farrell San Francisco.

COST, \$800

REPAIRS

(2168) NO. 720 RHODE ISLAND. Repair dwelling.

Owner.....Pasko Zalles, 607 Kansas San Francisco.

Architect...None.

Contractor...Jack Pontel, 607 Kansas San Francisco.

COST, \$500

FRAME DWELLING

(2169) E THIRTY-SIXTH AVE 175 S Cabrillo. One-story and basement frame dwelling.

Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.

Architect...None.

Day's work..... COST, \$1900

ELECTRIC SIGN

(2170) S MARKET — W Seventh. Electric sign.

Owner.....Idalto Theatre, Premises.

Architect...None.

Contractor...Novelty Elec. Sign Co., 161 Eddy, San Francisco.

COST, \$500

REPAIRS

(2171) NO. 1273 FULTON. Repair residence.

Owner.....Adeline Metzner, 358 Locust, San Francisco.

Architect...None.

Day's work..... COST, \$400

ALTERATIONS

(2172) NO. 1355 TAYLOR. Alter garage.

Owner.....Mrs. Marguerite Wolf, 1355 Taylor, San Francisco.

Architect...W. G. Hind, 46 Kearny, San Francisco.

Day's work..... COST, \$500

FRAME RESIDENCE

(2173) E TWENTY-THIRD AVE 275 S Geary. Two-story and basement frame residence.

Owner.....Oscar Heyman & Bro., 741 Market, San Francisco.

Architect...None.

Day's work..... COST, \$2500

ALTERATIONS

(2174) SE FELL AND VAN NESS AVE S 276 E 24-10 1/4 NE 171-5 1/4 N 174-9 1/4 W 164. All work for alterations and additions to building

Owner.....The White Co., Market & Van Ness Ave., S. F.

Architect...Henry H. Gutterson, 276 Post, San Francisco.

Contractor...Moore & Burlingame, 110 Jessie, San Francisco.

Filed July 21, '16. Dated July 15, '16.

Weekly payments of..... 75%

Usual 35 days..... 25%

TOTAL COST, \$18,000

Bond, \$9000. Surety, New Amsterdam Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

CONCRETE OFFICE BLDG.

(2175) NW MISSION AND MINT AVE. Plumbing for two-story and basement reinforced concrete office bldg.

Owner.....San Francisco Remedial Loan Association, 43 5th, San Francisco.

Construction Mgr....Frederick Whitton, 251 Kearny, S. F.

Contractor...James H. Pinkerton, 2266 Fulton, San Francisco.

Filed July 21, '16. Dated July 18, '16.

Monthly payments as work progresses of..... 75%

Usual 35 days..... Final

TOTAL COST, \$870

Bond, \$450. Sureties, R. J. O'Brien and Herman Lawson. Limit, 90 days from July 20, Forfeit, \$10. Plans and specifications filed.

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

July 21, 1916—SE FELL AND VAN

Ness S 275 E 24-10 1/4 NE 171-5 1/4 N 174-9 1/4 W 164 W A 70. J. V. de

Laveaga, E. C. de Laveaga, Julia de Laveaga, Welch & Maria J. Cebrian

as to improvements on leased property

.....

.....

.....

.....

.....

.....

.....

.....

.....

LEASES.

July 20, 1916—NO. 56 KEARNY, bet.

Post and Market. R. Lowenberg to

Harry Jacobs. 5 years. \$3500.

July 20, 1916—N DUROCE AVE 75-6 W

West Mission W 38 N 30 SE 23 m or 1

S 86 m or 1. J. A. Beaver to Eva

Ward, Thomas Graf Elder Co. 5

years. \$1920 option to renew.

DECLARATION OF HOMESTEAD.

July 15, 1916—N CENTRAL AVE 150
W Adeline W 50xN 100 Ptn Blk 574
B's Map Oakland. B G Boreham
(hub of Maude V).....\$5000

COMPLETION NOTICES.

San Francisco

RECORDED ACCEPTED
July 10, 1916—W PARKER AVE 381
m or 1 N Geary. Henry Cowell
Lime & Cement Co to J A Orford
and Johnson & Johnson.....
July 10, 1916—SE FIFTEENTH AND
Dolores S 29xE 100. Jno Schmidt
to Christoph Weinrank and L A
Hinson.....
July 15, 1916—W FORTY-FIFTH
AVE 150 N Judah 25x120. Alexander
and Robt Neil (as Neil Bros) to
whom it may concern.....July 15, 1916
July 15, 1916—E THIRTEENTH AVE
50 S Balboa E 95xS 25. Louella
and Casper Ellingen to J John-
son.....July 12, 1916
July 15, 1916—N MEDA AVE 150 E
Delano E 25xN 70. Arthur Lind-
berg to whom it may concern.....
.....July 15, 1916
July 15, 1916—E DIVISADERO 110 S
Geary S 52-6xE 100. Anixter &
Sons to Whitney & Davies and E S
Rainey.....July 12, 1916
July 17, 1916—SE FOURTH & BRAN-
nan 137-6x275. The John Bollman
Co to Flaherty Roofing & Pav-
ing Co.....June 30, 1916
July 17, 1916—SE FOURTH & BRAN-
nan 137-6x275. The John Bollman
Co to Pacific Coast Steel Co.....
.....June 30, 1916
July 17, 1916—SE FOURTH & BRAN-
nan 137-6x275. The John Bollman
Co to Sibley Grading & Teaming
Co.....June 30, 1916
July 17, 1916—NW NORTH POINT &
Larkin W 412-6xN 275. D Ghirar-
delli Co to Central Iron Works....
.....July 14, 1916
July 17, 1916—NO. 2832 JACKSON.
Bertha Coope to Elling Ellingson
.....July 16, 1916
July 17, 1916—W LARKIN 22-6 N
Green W 70xN 78. Isabella M
and Helen E Cowell to W McIntosh....
.....July 17, 1916
July 17, 1916—NE VAN NESS AVE &
McAllister 120x109. Hannah de
Urioste to Greenback Plastering
Co, July 5, 1916; W A Pfeffer and
Joseph Michel, July 12, 1916; J Gibbs
.....July 10, 1916
July 17, 1916—NW BUSH & POWELL
N 57-6xW 77-6. E J Greenhood
and Joseph Cahen to New Era Mar-
ble & Concrete Co. Golden Gate
Iron Works; Alex Coleman; Frank
W Whitney and W T Davies, Syl-
vain S Weintraub and Jos H Moore,
M J & Chas Terranova, Peterson &
James, Asher Elec Co, Jacob Bar-
man and Hardwood Interior Co....
.....July 14, 1916
July 17, 1916—N BUSH 68-9 W Mason
W 22-1xN 100. Walter H Sullivan
to Collman & Collman.....July 15, 1916
July 17, 1916—N POST 159-9 W Van
Ness Ave W 87-6xN 120. The Hecht
Instl Co to The Asbestos Protected
Metal Co and Barrett & Hilp.....
.....July 13, 1916
July 18, 1916—S SUTTER 115-9 E
Powell S 137-6xE 45-6. Pacific Gas
& Electric Co to The Tozer Co.....
.....July 10, 1916

July 18, 1916—N SACRAMENTO 85-6
W Pierce 50x95. Robert Dewar to
whom it may concern.....July 18, 1916
July 18, 1916—SW CHANNEL AND
Third (Kentucky) S to Fourth NW
to Channel NE to beg. Southern
Pacific Co to The Fay Improvement
Co.....July 8, 1916
July 18, 1916—S GREEN 105-6 W
Montgomery W 32xS 137-6. D
Ferrari to D Fossati.....July 17, 1916
July 18, 1916—N CALIFORNIA 57-75
W Seventh Ave W 25-1xN 93-114;
E 25 S 96-4x. Leigh & Schultz to
whom it may concern.....July 17, 1916
July 19, 1916—NW SANSOME & BUSH
N 137-6xW 67-6. Standard Oil Co by
P J Walker Co to H L Hinson, July 15,
1916; Rudgear-Merle Co, July 15,
1916; A P Brady, July 15, 1916; Geo
S MacGruer.....July 15, 1916
July 19, 1916—N BUSH 100 W Van
Ness Ave W 50-2xN 120. Laurence
A Myers to Macdonald & Kahn.....
.....July 19, 1916
July 19, 1916—E NINETEENTH AVE
100 N Clement 25x120. A M Sylvia
to whom it may concern.....July 18, 1916
July 19, 1916—NE VAN NESS AVE &
McAllister 120x109. Hannah de
Urioste to Pacific Mfg Co, July 17, '16
July 19, 1916—W DIAMOND 163 N
70th N 50xW 125. Patrick Connell
to P Algot Nelson.....July 15, 1916
July 19, 1916—E NINETEENTH AVE
129-1xN California N 25-10x3xE
120. Emma Hanselman to Walter
G Voderberg.....July 17, 1916
July 19, 1916—N BROADWAY 125 W
Broderick N 137-6xW 55. Julia de L
Welch to Collman & Collman Co....
.....July 18, 1916
July 20, 1916—E LARKIN 87-6 N Ellis
N 25x68-9. John Schroeder to M J
White, E F Gloor et al., July 20, 1916
July 20, 1916—SW JACKSON AND
Leavenworth W 62-6xS 48-3. Laura
Pross to whom it may concern.....
.....July 18, 1916
July 20, 1916—N GEARY 109-8 E Cook
E 25xN 120. Marie (wf Louis)
Arnoux to Gus Thunberg.....July 18, 1916
July 20, 1916—N SUTTER 181-6 W
Powell N 137-6 W 25-4x2 S to Sutter
E 25-8x5. Hill Tolerton to
Collman & Collman Co.....Completed—
Collman & Collman.....July 19, 1916
July 20, 1916—E DOLORES 163-8 S
15th 40xE 170. Fred Miller to
whom it may concern.....July 15, 1916
July 21, 1916—N CLAY 137-6 W Hyde
W 30xN 100. Laura M Jordan to
I Scribante.....July 18, 1916
July 21, 1916—NW NINETEENTH &
Church W 30xN 70. George S Jr &
Lottie M Long to O E Evans &
Co.....July 11, 1916
July 21, 1916—NW TWENTY-4TH &
Poplar Alley Frank Saporiti and
Tresa or Theresa Benetti to J S
McLelland.....July 11, 1916
July 21, 1916—SW FOLSOM AND
26th W 170 S 150-9xM or 1 S 86
deg 35 min E 175 m or 1 N 173.
Board of Trustees of Cogswell
Polytechnical College to Sibley
Grading & Teaming Co, July 15,
1916; California Granite Co, July
15, 1916 and Herman Safe Co.....
.....July 15, 1916
July 21, 1916—W TWENTY-FIRST
AVE 200 N Lake N 25xW 120. W J
and Rose A Bradley to T E Mohler
.....July 20, 1916
July 21, 1916—S SUTTER 115-9 E
Powell S 137-6xE 45-6. Pacific Gas
& Electric Co to W P Fuller & Co
.....July 16, 1916

July 21, 1916—S SACRAMENTO 112-6
E Spruce E 52-6xS 132-7x4. Geo
and Emma F Healing to whom it
may concern.....July 17, 1916
July 21, 1916—E SEVENTEENTH
AVE 225 N Balboa N 25xE 120.
Michael Costello and Bryan Peerick
to whom it may concern.....July 20, '16
July 21, 1916—E FORTY-SIXTH AVE
175 S Lincoln Way (H) S 25xE 120.
Samuel R Davis to whom it may
concern.....July 21, 1916
July 21, 1916—LOT 18 BLK 9, Forest
Hill. Kathryn B Larkins to whom
it may concern.....July 18, 1916

LIENS FILED

San Francisco

RECORDED AMOUNT
July 15, 1916—W COLE 25 N Rivoli
N 25xW 100. A Seghieri & Bro, Inc
vs Owen Hughes and David Condon
.....\$142.75
July 15, 1916—E TENTH AVE 225 S
Geary S 25 xE 120. Jos Marshall
vs J Eric Johanson and Benj
Green\$20
July 17, 1916—W TWENTY-SEVEN-
th Ave 171-8 S Geary W 120xS 23-4;
W 27th Ave 125 S Geary W 120xS
23-4; W 27th Ave 148-4 S Geary W
120xS 23-4. California Steam &
Plumbing Supply vs Ben Schloss,
and Hofmeister & Bardahl.....\$33.01
July 17, 1916—N TWENTY-PFTH
50 E York E 100 N 98 W 50 S 3 W
50 S 95. J S Guerin & Co vs Emma
R O'Donnell, Segurson Bros and M
Bertolino\$95.60
July 17, 1916—N TWENTY-PFTH
25 E Hampshire W 25xN 73. J S
Guerin & Co vs Emma R O'Donnell
Segurson Bros & M Bertolino.....\$85.65
July 17, 1916—W SAN CARLOS AVE
210 N 19th N 20-6xW 50. Eureka
Sash, Door & Moulding Mills vs
Jno F Haner, Geo A Shayer and
Catherine Shayer\$537.14
July 17, 1916—W SAN CARLOS AVE
210 N 19th N 20-6xW 80. Michalek
& Albertson vs Jno F Haner.....\$352.75
July 17, 1916—S FIFTEENTH 25 W
Sharon W 75x100. R L McQuade
vs Charles K Blender and D Storm
.....\$15
July 17, 1916—E SIXTH AVE 100 N
Cabrillo N 25xE 120. R L McQuade
vs Elizabeth D Howard and D
Storm\$14
July 18, 1916—W SAN CARLOS AVE
210 N 19th N 20-6xW 80. Thomas
and James McKee vs John F Haner
and George A and Catherine Shayer
.....\$40.40
July 18, 1916—NW EUGENIA AVE &
Ellsworth N 25xW 70. George V
Nicholls vs H Donohue and Chas
Landeck\$34.45
July 19, 1916—S FORTY-FOURTH
AVE 175 S Geary S 75xE 120. M
Boomer vs Chas H Kendrick and
Finance Realty Co.....\$69
July 19, 1916—E TWENTY-THIRD
AVE 175 S Vicente E 120xS 150.
Malott & Peterson vs J J Murray
and Carl Ehrhart.....\$95
July 20, 1916—SW HOLLOWAY AND
Lee Ave W 25x100. Frank Row-
land vs Gertrude I Pehrson.....\$104.25
July 20, 1916—SW FREMONT 137-6
SE Howard SE 92-6 SW 80 NW 45
SW 57-6 NW 47-6 NE 137-6. W P
Fuller & Co vs E K Nelson and
Ellen M Otto.....\$230
July 20, 1916—NW NAPLES 800 SW
Russia Ave SW 25xNW 100. Jno



The Clintonville F. W. D.

Furnishing twice the Pulling Power at less expense

Means Efficiency

Abundant power on ALL FOUR WHEELS assures maximum every-day service plus economy in cost of operation. ¶ It is a fact that on various hauls and under unusual conditions the F. W. D. has replaced every make of motor truck built in America.

"31,320 Miles and never in a garage for an adjustment of any sort—and still operating on the original set of tires!"

This is one firm's experience with the CLINTONVILLE F. W. D.

Their name and address on request

ASK FOR DEMONSTRATION

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

Charlson vs Michael J Meade.....\$13
 July 21, 1916—E BRYANT 37 N Army
 N 30x E 75 m or l. The Greater City
 Lumbar Co vs Tony and Salvator
 Costa and Francesco and Giuseppe
 Bonaccorso\$716.30

OAKLAND AND ALAMEDA COUNTY

CULVERTS—Reinforced concrete. Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids opened by the City Council at its last meeting for the construction of concrete culverts in Talbot avenue and Ordway street to cross Cordoncines Creek were rejected as being excessive. It is probable that new bids will be called.

STREET PAVING—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contractors, Oakland Paving Co., 5000 Broadway, Oakland. Contract price not stated.

STREET PAVING—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contractors, Oakland Paving Co., 5000 Broadway, Oakland. Contract price not stated. Hutchinson Co., 12th and Franklin streets, Oakland. Contract price not stated.

BRIDGE—Reinforced concrete. Cost not stated. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County. Bids will be opened on July 31st at 10 a. m. for the construction of a reinforced concrete bridge on the Cull Canyon road across the Crow Canyon Creek, Eden Road District, Eden Township.

RESIDENCE—1 story and base, frame, \$3,000. Alameda, Alameda Co., Cal. Architect, none. Owner, G. H. Noble, 2220 Central avenue, Alameda. Location, 908 Willow street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Piedmont, Alameda Co., Cal. Architect, none. Owner, J. L. Lombard, 62 Farragut street, Oakland. Location, east King south of Farragut. Will contain seven rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Piedmont, Alameda Co., Cal. Architect, none. Owner, F. N. Strang, 805 Pacific avenue, Alameda. Location, Nova Piedmont. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$2,250 each. Oakland, Cal. Architect, none. Owner, W. E. Boyd, 4175 Park Boulevard Oakland. Location, east Santa Ina south of Viona. Will contain five rooms and bath each. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,500 each. Oakland, Cal. Architect, none. Owner, P. E. Woodburn, 2965 Greenwood street, Oakland. Location, west Townsend south of Everett. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, S. V. Nichols, 2225 Parker avenue, Berkeley. Location, north Park Boulevard west of Greenwood. Will contain five rooms, bath and sleep-

ing porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, Allan P. Joyner, 1004 71st street, Oakland. Location, south-east Brice and Hopkins streets. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Alameda, Alameda Co., Cal. Architect none. Owners, West End Building Association, 1536 Webster street, Alameda. Location, 521 aylor street. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$1,000 each. Berkeley, Alameda Co., Cal. Architect, none. Owner, C. H. Allison, 34 Brookside, Berkeley. Location, 1214 to 18 Parker. Each house will contain four rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 1 story and base, frame, \$3,000 each. Oakland, Cal. Architect, none. Owner, R. C. Hillen, 430 Haight avenue Alameda. Location, south Montana west of Maple. Each will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$2,000 each. Oakland, Cal. Architect, J. T. Holloway, 4132 Grove street, Oakland. Location, east Grove north of 46th street. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, I. A. Kellogg, 3404 Champion street, Oakland. Location, south Kanning west of High. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, Fred M. Fabing, 3515 12th avenue, Oakland. Location, north Hampel west of Park Boulevard. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Alameda, Alameda Co., Cal. Architect, none. Owner, G. H. Noble, 2220 Central avenue, Alameda. Location, 1185 Broadway. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$1,500 each. Oakland, Cal. Architect, none. Owner, May E. Richardson. Location, south 42nd street east of Lincoln. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, H. M. Swalley, Walker and Cheney streets, Oakland. Location, east Walker south of Cottage. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Alameda, Alameda Co., Cal. Architect, none. Owner, R. C. Hillen, 530 Haight avenue, Alameda. Location, 3219 Garfield avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Albany, Alameda Co., Cal. Architect, none. Owners, Oakland Investment Co., Golden Gate avenue and Cross Roads, Berkeley. Location, west Ordway south of Sonoma. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SHOP AND BARN—Steel and brick. Cost not stated. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. A complete list of the bids opened for the construction of the new buildings in the corporation yards will be found under the heading of Oakland and Alameda County in this issue.

STORAGE WAREHOUSE—5 story with 9 story tower, reinforced concrete, \$75,000. Oakland, Cal. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owners, Lyon Storage and Moving Co., Contractor, F. A. Muller, Syndicate Bldg., Oakland. Contractor

FIGURES RECEIVED FOR BERKELEY CITY WORK.

All Bids For Constructing Buildings in Corporation Yard Referred to City Architect.

The following bids were opened Tuesday by the Berkeley City Council for the construction of a one-story brick and steel building to be erected in the Corporation Yard in West Berkeley. Bids were called for with the following alternates: No. 1. All work except sheds and barn; No. 2, all work except barn; No. 3, one section of 12 foot shed with doors; No. 4, one section of 12 foot shed without doors; No. 5, unit price for each succeeding 12 foot of shed up to 15 feet with doors; No. 6, unit price for each succeeding 12 foot up to 15 feet without doors. All bids were referred to the City Architect W. H. Ratcliff Jr., 1st National Bank Bldg. Following is a complete list of the bids opened:

	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
Walter Sorenson	\$4893	\$4392	\$461	\$410	\$353	\$312
Lester H. Stock	5621	5272	678	640	369	314
L. S. Lewis	5900	4347	370	336	350	320
Jones & McGovern	4855	3905	375	320	286	237
California Constr. Co.	6229	4600	234	180	225	175
J. Wendering	4525	4220	375	335	325	285

is now taking subfigures on all parts of this work.

WAREHOUSE—1 story, brick. Cost not stated. Emeryville, Alameda Co., Cal. Architect, James H. Humphrey, Wells-Fargo Bldg., S. F. Owners, In-laid Floor Co. Location, Watts street, covering an area of 14,000 square feet. Kilns will also be erected. Plans complete and figures being taken.

GARAGE—1 story and base, brick, \$6,500. Oakland, Cal. Architects, Newsum & Newsum, 1748 Broadway, Oakland. Owner, M. F. Smith. Location, east Brook south of Broadway. Designed for a commercial garage. Plans complete and work to be done by Day Lahor.

Contracts Awarded

APARTMENT HOUSE AND STORES—3 story and base, frame, \$24,000. Oakland, Cal. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, M. Ellis. Contractor, E. P. Schmidt, Oakland. Contract price, \$24,000.

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Amt.
1724	Pacific G & E.....	Owner	400
1725	Lake	Brooks	300
1736	Richardson ..	Richardson	1500
1737	Same	Same	1500
1738	Swalley	Swalley	2500
1739	Brauser	Brauser	400
1740	Stent	Graff	2840
1741	Bradley	Sommarstrom	13000
1745	Archbishop	Faulkes	10954
1746	Ritta	Ritta	800
1747	Stewart	Stewart	500
1748	Fabing	Fabing	2500
1749	Holloway	Holloway	1500
1750	Same	Same	1500
1751	Marvinelli	Benassino	600
1752	Kellogg	Kellogg	1500
1753	Hillen	Hillen	2000
1754	Hillen	Hillen	2000
1755	Hillen	Hillen	2000
1762	Macquire	Banning	2500
1763	Perry	Thornalley	1000
1764	Grant	Grant	450
1765	Joyner	Joyner	1400
1766	Eley	Eley	400
1767	Nason	Chick	500
1768	Boyd	Boyd	2250
1769	Same	Same	2250
1770	Nichols	Nichols	24100
1771	Ruedy	Ruedy	700
1772	Woodburn	Woodburn	2500
1773	Same	Same	2500
1774	Rizgiero	Rizgiero	500
1775	McCutchan	Carr	450
1777	Strang	Strang	3000
1778	Lombard	Lombard	5000
1783	Jones	Jones	1500
1786	Jones	Jones	1500
1787	Okd Invst	Owner	1500
1788	Cushing	Elenishing	450
1789	Jones	Jones	1500
1791	Schmidt	Schmidt	24000
1792	Pacific G & E.....	Vulcan	2575

SHED

(1734) N FIFTY-FIRST 100 E Shattuck Ave., Oakland. Shed. Owner.....Pacific Gas & Electric Co., 13th and Clay, Oakland. Architect...None. Day's work. COST, \$400

DWELLING

(1735) N DELMER 235 E Lincoln Ave., Oakland. One-story 4-room dwelling. Owner.....Mrs. Esther E. Lake. Architect...None. Contractor...W. R. Brooks, 2900 Madeline, Oakland. COST, \$800

DWELLING

(1736) S FORTY-SECOND 282 E Linden, Oakland. One-story five-room dwelling.

Owner.....May E. Richardson. Architect...None. Day's work. COST, \$1500

DWELLING

(1737) S FORTY-SECOND 319 E Linden, Oakland. One-story five-room dwelling. Owner.....May E. Richardson. Architect...None. Day's work. COST, \$1500

DWELLING

(1738) E WALKER AVE 125 S Cottage, Oakland. Two-story 7-room dwelling. Owner.....H. M. Swalley, Walker & Cheney, Oakland. Architect...None. Day's work. COST, \$2500

ADDITION

(1739) NO. 5554 TELEGRAPH AVE., Oakland. Addition. Owner.....G. Brauser, Premises. Architect...None. Day's work. COST, \$400

ALTERATIONS

(1740) THIRTEENTH AND JACKSON, Oakland. Alterations (make roof flat, put on tar and gravel roof, new fire walls, etc., tinning and painting). Owner.....E. A. Stent, Humboldt Bk. Bldg., San Francisco. Architect...None. Contractor...Edwin C. Graff, 1440 Broadway, Oakland.

Filed July 15, '16. Dated July 12, '16.
Felt roof laid on 1st building.....\$1200
Completed 220
Felt roof laid on 2nd building..... 1200
Completed 220
TOTAL COST, \$2840
Bond, limit, forfeit, none. Plans and specifications filed.

CLASS "C" STORE

(1744) NW FOURTEENTH & WEBSTER, Oakland. One-story Class "C" store building. Owner.....Mary J. Bradley, 302 Grand Ave., Oakland. Superintendent...C. W. Dickey, Central Bank Bldg., Okd. Contractor...Sommarstrom Bros., 202 E-12th, Oakland. COST, \$13,000

NOTE:—Job started.

FRAME SCHOOL AND HALL

(1745) NE 10TH AVE AND E-14TH, Oakland. All work for two-story frame school and hall. Owner.....Roman Catholic Archbishop of S. F., Corporation Sole (Edward J. Hanna, Incumbent), 1110 Franklin San Francisco. Architect...None. Contractor...John R. Faulkes, 9828 E-14th, Oakland.

Filed July 17, '16. Dated July 12, '16.
As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$10,954
Bond, \$5500. Sureties, B. F. Mason and H. T. George. Limit, 100 days after July 12. Forfeit, \$5. Plans and specifications filed.

ADDITION

(1746) NO. 1768 EIGHTH, Oakland. Two-story addition.

Owner.....Joseph Ritta, 1823 Chase, Oakland. COST, \$800

ADDITION

(1747) NO. 3856 MAGEE, Oakland. One-story addition. Owner.....J. F. Stewart, Premises. Architect...None. Day's work. COST, \$500

DWELLING

(1748) N HAMPEL 120 W Park Blvd. Oakland. One-story 5-room dwlg. Owner.....Fred N. Fahing, 5515 13th Ave., Oakland. Architect...None. Day's work. COST, \$2500

DWELLING

(1749) E GROVE 50 N 46th, Oakland. Two-story 6-room dwelling. Owner.....J. T. Holloway, 4132 Grove Oakland. Architect...None. Day's work. COST, \$1500

DWELLING

(1750) E GROVE 75 N 46th, Oakland. Two-story 6-room dwelling. Owner.....J. T. Holloway, 4132 Grove Oakland. Architect...None. Day's work. COST, \$1500

ADDITION

(1751) NO. 1018 PINE, Oakland. Addition. Owner.....P. Marvinelli, 838 Pine Oakland. Architect...None. Contractor...Pio Benassino, 5251 Boyd Ave., Oakland. COST, \$600

DWELLING

(1752) S KANNING 175 W High, Oakland. One-story 5-room dwelling. Owner.....I. A. Kellogg, 3404 Champion, Oakland. Architect...None. Day's work. COST, \$1500

DWELLING

(1753) S MONTANA 233 W Maple. Oakland. One-story 5-room dwelling. Owner.....R. C. Hillen, 430 Haight Ave., Alameda. Architect...None. Day's work. COST, \$2000

DWELLING

(1754) N ARKANSAS 160 W Maple. Oakland. One-story 5-room dwelling. Owner.....R. C. Hillen, 430 Haight Ave., Alameda. Architect...None. Day's work. COST, 2000

DWELLING

(1755) S MONTANA 115 W Maple. Oakland. One-story 5-room dwelling. Owner.....R. C. Hillen, 430 Haight Ave., Alameda. Architect...None. Day's work. COST, \$2000

FRAME DWELLING

(1762) N E-TWENTY-FIRST 160 E 5th Ave, being Lot 40x150, Oakland. All work for one-story and basement frame dwelling. Owner.....Bernard L. and Alma Maguire, 592 42nd, Oakland. Architect...None. Contractor...Banning & Stewart, 5215 Broadway, Oakland. Filed July 18, '16. Dated July 17, '16.

Enclosed ¼
Brown coated ¼
Completed and accepted ¼
Usual 35 days ¼
TOTAL COST, \$2500
Bond, none. Limit, 90 days. Forfeited.
none. Plans and specifications filed.

ALTERATIONS

(1763) NO. 414 THIRTEENTH, Oakland. Alterations.
Owner.....M. Perry, Perry Bldg., Okd.
Architect...None.
Contractor...W. G. Thornalley, 565 16th
Oakland. COST, \$1000

ALTERATIONS

(1764) NO. 3241 WILSON AVE., Oakland. Alterations.
Owner.....L. R. Grant, Premises
Architect...None.
Day's work. COST, \$450

DWELLING

(1765) SE BRUCE AND HOPKINS, Oakland. One-story 5-room dwlg.
Owner.....Allah P. Joyner, 1094 71st
Ave., Oakland.
Architect...None.
Day's work. COST, \$1400

ALTERATIONS

(1766) NO. 5915 WALNUT AVE., Oakland. Alterations.
Owner.....C. A. Elery, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(1767) NW CROSS ROADS & LOWER Road, Oakland. Alterations.
Owner.....Arthur G. Nason, Premises.
Architect...None.
Contractor...Chick & Kolmodin, 2624
60th Ave., Oakland. COST, \$500

DWELLING

(1768) E SANTA RAY 297 S Viona, Oakland. Two-story 5-room dwelling
Owner.....W. E. Boyd, 4175 Park
Blvd., Oakland.
Architect...None.
Day's work. COST, \$2250

DWELLING

(1769) E SANTA RAY 266 S Viona, Oakland. Two-story 5-room dwlg.
Owner.....W. E. Boyd, 4175 Park
Blvd., Oakland.
Architect...None.
Day's work. COST, \$2250

DWELLING

(1770) N PARK BLVD 250 W Greenwood, Oakland. One and one-half-story 5-room dwelling.
Owner.....S. V. Nichols, 2225 Parker,
Berkeley.
Architect...None.
Day's work. COST, \$2400

FIRE REPAIRS

(1771) NO. 5601 HILTON, Oakland. Fire repairs.
Owner.....E. Ruedy, 5520 Bond, Okd.
Architect...None.
Day's work. COST, \$700

DWELLING

(1772) W EVERETT 220 N Wellington, Oakland. One-story 6-room dwelling.
Owner.....P. E. Woodburn, 3965
Greenwood, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(1773) W TOWNSEND 200 S Everett, Oakland. One-story 6-room dwelling
Owner.....P. E. Woodburn, 3965
Greenwood, Oakland.
Architect...None.
Day's work. COST, \$2500

ADDITION

(1774) NO. 1431 THIRTEENTH, Oakland. Additions and repairs.
Owner.....P. M. Riggiero, 402 Union,
Oakland.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(1775) NO. 2350 E-FIFTEENTH, Oakland. Alterations.
Owner.....McCutchan, Premises.
Architect...None.
Contractor...W. H. Carr, 1617 5th Ave.,
Oakland. COST, \$450

DWELLING

(1776) S MELROSE AVE 81 W 48th Ave., Oakland. One-story 4-room dwelling.
Owner.....Mrs. H. B. Pollard, 2904
Wheeler, Berkeley.
Architect...None.
Contractor...W. H. Sims, 1926 64th Ave.,
Oakland. COST, \$1500

RESIDENCE & GARAGE

(1777) LOT 59 Nova Piedmont, Piedmont. Two-story 7-room residence and garage.
Owner.....F. N. Strang, 805 Pacific
Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

FRAME RESIDENCE

(1778) E KING AVE 250 S Farragut Ave., Piedmont. Two-story frame residence and garage.
Owner.....J. L. Lombard, 62 Farragut Ave., Piedmont.
Architect...None.
Day's work. COST, \$5000

DWELLING

(1785) N MAIN 50 W Ramona, Albany. One-story 6-room dwelling.
Owner.....Madge W. Jones, 1645 Virginia, Berkeley.
Architect...None.
Contractor...J. W. Jones, 1645 Virginia,
Berkeley. COST, \$1500

DWELLING

(1786) W POMONA 200 N Main, Albany. One-story 6-room dwelling.
Owner.....Madge W. Jones, 1645 Virginia, Berkeley.
Architect...None.
Contractor...J. W. Jones, 1645 Virginia,
Berkeley. COST, \$1500

DWELLING

(1787) W ORDWAY 250 S Sonoma, Albany. One-story 5-room dwelling.
Owner.....Oakland Investment Co.
Golden Gate Ave & Cross
Roads, Albany.
Architect...None.
Day's work. COST, \$1500

ADDITION

(1788) NO. 829 MADISON, Albany. Addition.
Owner.....Viola Cushing, 841 Madison
Albany.
Architect...None.

Contractor..Elenshing, Premises.

COST, \$450

DWELLING

(1789) W POMONA 160 N Main, Albany. One-story 6-room dwelling.
Owner.....Madge W. Jones, 1645 Virginia, Berkeley.
Architect...None.
Contractor...J. W. Jones, 1645 Virginia,
Berkeley. COST, \$1500

FRAME APARTMENTS

(1791) E COLLEGE AVE 52,6975 N Lawton Ave E 59,465 N 50 E 40 N 52 W 59,07 S 110,6125, Oakland. All work for three-story frame apartments.
Owner.....E. A. Schmidt.
Architect...O'Brien Bros., 240 Montgomery, San Francisco.
Contractor...E. A. Schmidt.
Filed July 20, '16. Dated July 19, '16.
Framed ¼
Brown coated ¼
Completed and accepted ¼
Usual 35 days ¼
TOTAL COST, \$24,000
Bond, none. Limit, 100 days. Forfeited.
none. Plans and specifications filed.

ALTERATIONS

(1792) W CASTRO, if extended S. 80 & First W 458.03 S 300. Remove stack and breaching and install new ones.
Owner.....Pacific Gas & Electric Co.
13th and Clay, Oakland.
Architect...None.
Contractor...Vulcan Iron Works, Francisco and Kearny, S. F.
Filed July 20, '16. Dated July 14, '16.
Completed 75%
Usual 35 days 25%
TOTAL COST, \$2575
Bond, \$1290. Surety, Massachusetts Bonding & Insurance Co. Limit, 30 days. Forfeited, none. Plans and specifications filed.

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Am't.
1741	Seaton	Allen	1000
1742	Wright	Lock	800
1743	Berkeley	Conner	1000
1756	Allison	Allison	1000
1757	Same	Same	1000
1758	Davidson	Davidson	500
1759	Naylor	Estey	3150
1760	Davidson	Arlett	1876
1761	Swasey	Bischoff	6750
1792	Cory	Livingston	500
1794	Mers	Pinkerton	1625

ALTERATIONS

(1741) NO. 2120 COLLEGE AVE., Berkeley. Alterations and additions.
Owner.....Scott Seaton, Premises.
Architect...None.
Contractor...F. E. Allen, 468 34th, Okd.
COST, \$1000

ALTERATIONS

(1742) No. 2509 HILGARD, Berkeley. Alterations.
Owner.....Mrs. M. Wright, 2513 Hilgard, Berkeley.
Architect...None.
Contractor...Chas. Lock, 2711 Russell,
Berkeley. COST, \$800

SCHOOL

(1743) NW DERBY & CALIFORNIA Berkeley. One-story 1-room school.

Owner.....City of Berkeley.
 Architect...None.
 Contractor...Conner & Conner, Berke-
 ley Way at Shattuck, Bkly
 COST, \$1000

DWELLING
 (1756) NO. 1318 PARKER, Berkeley.
 One-story 4-room dwelling.
 Owner.....C. H. Allison, 34 Brookside,
 Berkeley.
 Architect...None.
 Day's work. COST, \$1000

DWELLING
 (1757) NO. 1214 PARKER, Berkeley.
 One-story 4-room dwelling.
 Owner.....C. H. Allison, 34 Brookside,
 Berkeley.
 Architect...None.
 Day's work. COST, \$1000

ALTERATIONS
 (1758) NE PRINCE AND REGENT,
 Berkeley. Alterations.
 Owner.....N. M. Davidson, 2519 Col-
 lege Ave., Berkeley.
 Architect...James W. Plachek, Ache-
 son, Berkeley.
 Day's work. COST, \$500

ADDITION AND ALTERATION
 (1759) NO. 2227 DURANT AVE., Ber-
 keley. After 1st story of dwelling
 and add 2nd story.
 Owner.....A. W. Naylor, 1st National
 Bank Bldg., Berkeley.
 Architect...None.
 Contractor...B. F. Estey, 1865 Hearsi
 Ave., Berkeley.
 COST, \$3150

BRICK STORE BLDG.
 (1760) S BANCROFT WAY 450 E Dana
 Berkeley. Common and pressed brick
 work for one-story brick and steel
 store building.
 Owner.....N. R. Davidson, 2519 Col-
 lege Ave., Berkeley.
 Architect...James W. Plachek, Ache-
 son Bldg., Berkeley.
 Contractor...Arthur Arlett, Call Bldg.,
 San Francisco.
 Filed July 18, '16. Dated July 5, '16.
 On 1st and 15th of each month 75%
 Usual 35 days. 25%
 TOTAL COST, \$1876
 Bond, none. Limit, as soon as possible
 Forfeit, \$10. Plans and specifications
 none.

FRAME DWELLING
 (1761) E ETON AVE 117 N Claremont
 Ave 38x82, Berkeley. All work for
 two-story 9-room frame dwelling.
 Owner.....Chas. S. & Adeline Swasey
 Alameda.
 Architect...None.
 Contractor...John A. Bischoff, 6045 Har-
 wood Ave., Oakland.
 Filed July 18, '16. Dated July 17, '16.
 Contract signed \$3377
 Completed 3375
 TOTAL COST, \$6750
 Bond, none. Limit, 90 days after July
 31. Forfeit, none. Plans and specifi-
 cations filed.

ALTERATIONS
 (1793) NO. 2717 BENVENUE, Berkeley
 Alterations.
 Owner.....H. Cory, Premises.
 Architect...None.
 Contractor...W. Livingston, 2918 Ellis,
 Berkeley.
 COST, \$500

ADDITION
 (1794) NO. 1201 BONITA, Berkeley.
 Add to dwelling.
 Owner.....Geo. Mers, Premises.
 Architect...None.
 Contractor...J. A. Pinkerton, 1931
 Berryman, Berkeley.
 COST, \$1625

Building Contracts Awarded

Alameda

No.	Owner	Contractor	Amt.
1779	Hillen	Hillen	2500
1780	Bales	Rogers	1225
1781	Noble	Noble	2000
1782	Same	Same	3000
1783	Zeh	Noble	3500
1784	West End Bldg.	Owner	1500
1790	Miller	Kladder	3500

DWELLING
 (1779) NO. 3219 GARFIELD AVE.,
 Alameda. One-story 5-room dwelling
 Owner.....R. C. Hillen, 430 Haight
 Ave., Alameda.
 Architect...None.
 Day's work. COST, \$2500

DWELLING
 (1780) NO. 418 LINCOLN AVE., Ala-
 meda. One-story 4-room dwelling.
 Owner.....John Bales, 422 Lincoln
 Ave., Alameda.
 Architect...None.
 Contractor...W. A. Rogers, 631 Haight
 Ave., Alameda.
 COST, \$1325

DWELLING
 (1781) NO. 1185 BROADWAY, Alameda
 One-story 5-room dwelling.
 Owner.....G. H. Noble, 2220 Central
 Ave., Alameda.
 Architect...None.
 Day's work. COST, \$2000

DWELLING
 (1782) NO. 908 WILLOW, Alameda.
 One-story 6-room dwelling.
 Owner.....G. H. Noble, 2220 Central
 Ave., Alameda.
 Architect...None.
 Day's work. COST, \$3000

DWELLING
 (1783) NO. 2221 CENTRAL AVE., Ala-
 meda. One-story 5-room dwelling.
 Owner.....Carl Zeh, 2222 Central Ave.
 Alameda.
 Architect...None.
 Contractor...G. H. Noble, 2220 Central
 Ave., Alameda.
 COST, \$3500

DWELLING
 (1784) NO. 251 TAYLOR AVE., Ala-
 meda. One-story 4-room dwelling.
 Owner.....West End Bldg. Associa-
 tion, 1536 Webster, Ala.
 Architect...None.
 Day's work. COST, \$1500

FLOOR
 (1790) NO. 2061 ADDISON, Berkeley
 Put in floor over loading room.
 Owner.....Chas. E. Miller, Berkeley.
 Architect...None.
 Contractor...Kladder & McCullough, 2075
 Addison, Berkeley.
 COST, \$3500

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED
 July 14, 1916—PTN LOTS 10 AND 11
 Blk "N" Map Blks M, N, O, and P of
 Harmon Tract, Bkly. William J
 Baker to whom it may concern....
July 1, 1916
 July 14, 1916—NOS. 231-3-5-7 TENTH
 being Lots 10 and 11 Blk 123 Kel-
 lersberger's Map of Oakland. Laz-
 arus Croter to F C Bignami.....
July 12, 1916
 July 14, 1916—NOS. 228-5-7-9 TENTH
 being Lots 12 and 13 Blk 123 Kel-
 lersberger's Map of Oakland. W H
 Shockley to F C Bignami. July 12, '16
 July 17, 1916—W FIFTH 100 S
 Holyoke S 27xW 125, Bkly. Laues
 Warnes to J E Peterson. July 15, 1916
 July 17, 1916—S HEARST AVE 100 E
 Grant, Bkly. George S Risher to
 whom it may concern. July 17, 1916
 July 18, 1916—LOT 8 BLK "B" Map
 Edgerly Tract, Okd. J Ed Mitchell
 to P A Newby.....July 14, 1916
 July 18, 1916—E 30 LOT 3 and W 10
 Lot 4 Blk 6 Map Fairview Park,
 Bkly. Sadie M Hunter to S M
 Hunter.....July 18, 1916
 July 18, 1916—LOT 18 BLK "C" Map
 Parson's Golden Gate Tract, Okd.
 Edw E Brodren to F C Rounds....
July 14, 1916
 July 18, 1916—E WALSWORTH AVE
 125 N Santa Clara Av N 30x E 126.25
 Okd. Minerva F Gillin to whom it
 may concern.....July 11, 1916
 July 19, 1916—S MARIPOSA AVE 585
 W Racine W 40xS 165, Okd. Theresa
 and Michael Sadlier to E B Daly....
June 28, 1916
 July 19, 1916—LOT 7 BLK 3 Map Ar-
 lington Heights, Oakland Tp. Hilda
 F Mills to G L Hughson. July 18, 1916
 July 19, 1916—LOT 19 BLK 11 Map
 Resbun Biks 9, 10, 11, 12, 13, 14
 and Ptn Blk 16, Rock Ridge Ter-
 race, Okd. E A Drew to E M Reagh
 and E G Lechfield.....Completed—
 July 20, 1916—LOT 19 BLK 2 Dwight
 Way Gardens, Bkly. J S Hanson
 to whom it may concern. July 14, 1916
 July 20, 1916—NW HASTE & TELE-
 graph Ave W 150 N 135 E 33 S 40 E
 117 S 95, Bkly. Sommarstrom In-
 vestment Co to whom it may con-
 cern.....July 20, 1916
 July 20, 1916—N 10 LOT 12 BLK 8 and
 N 30 Lots 10, 11 & 12 Blk 8, North-
 brae Tract, Oakland Tp. C E Sin-
 clair to whom it may concern....
July 20, 1916

LIENS FILED

ALAMEDA COUNTY.

July 15, 1916—S 112.70 LOT 2 and N
 27.04 Lot 3 Map A. J. Snyder's Pled-
 mont Terrace-by-the-Lake, Okd.
 Oakland Paving Co vs R E Stubbe
 and Leda Y Stubbe.....\$61.60
 July 15, 1916—E PALA AVE 145.63
 N Vernal Ave N 50x E 110, Okd.
 Standard Fence Co vs R E Stubbe
\$70.80
 July 15, 1916—S 12.70 LOT 2 and N
 27.04 Lot 3 Map A J Snyder's Pled-
 mont Terrace-by-the-Lake, Okd.
 Pacific Fuel & Building Material
 Co vs R E and Leda Y Stubbe, G W
 Comfort and G F Sperow.....\$233.73
 July 15, 1916—S 12.70 LOT 2 and N
 27.04 Lot 3 A J Snyder's Piedmont

Terrace-by-the-Lake, Okd. Standard Fence Co, \$34.95; Hansen Floor Co, \$30.25; M Friedman & Co, \$29.90 Cavasso Glass Co, \$21.99; Bass-Heuter Paint Co, \$101.05 vs R E and Leda Y Stubbs.....\$457.58
 July 17, 1916—LOT 16 and Ptn Lot 15 Map Shattuck Hotel Tract, Bkly. W P Fuller & Co vs C A Muller.....\$457.58
 July 17, 1916—N FORTY-SIXTH 29 E Market N 100xW 35, Okd. Sunset Lumber Co vs J P Silva.....\$303.25
 July 17, 1916—PTN LOT 2 BLK 1, Amended Map Hopkins Terrace Map No. 4, Bkly. Sunset Lumber Co vs F A McCall and Samuel Clark.....\$506.11
 July 19, 1916—S CALMAR AVE 217 W Paloma Ave W 50xS 151-6, Okd. Norlo Cavaglia vs Annie Depaoli and F Depaoli.....\$276.80

DO YOU KNOW THAT

Dirty hands spread much disease?

A high bred dog has a right to have his hirth registered—so has a baby? The U. S. Public Health Service guards American ports to exclude foreign disease?

Health is a credit with the bank of nature?

SAN JOSE AND THE SANTA CLARA VALLEY

BRIDGES—Steel and concrete. Cost not stated. San Jose, Santa Clara Co. Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. The County Engineer at the last meeting of the Santa Clara County Supervisors was instructed to prepare plans and specifications for the construction of the following bridges: Bridge on the Uvas road over Booth Creek; bridge on the Almaden road near Schuman place; bridge on Almaden road south of the Guadalupe Creek near Cooney place.

SCHOOLS—1 story and base. Class C construction, \$20,000. Palo Alto, Santa Clara Co., Cal. Architect, John J. Donovan, Dalziel Bldg., Oakland. Owners, Stanford School District. Robert Glaze, Humboldt Bank Bldg., S. F., presented the lowest figure for this work at \$20,950 and will probably be awarded the contract. A complete list of the bids received will be found under the heading of San Jose and the Santa Clara Valley.

SCHOOLS—1 and 2 story, reinforced concrete and frame. Cost as follows. Watsonville, Santa Cruz Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Watsonville. Architect Weeks has just been selected to prepare plans for two new school buildings. The high school will cost \$100,000, while a smaller building, designed for a primary school, will be erected at a cost of \$15,000. Further mention will be made when plans are prepared.

HIGHWAY IMPROVEMENTS—Cost as follows. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. At the County Supervisors' last meeting a communication was received from Edward M. Chadbourne,

502 Market street, San Francisco, offering to construct a bitucrete wearing surface on the Hillsborough to Poor Farm road for the unit price of 1.16c per square foot, the figures covering an application of 1½ gallons to the square yard. The cost of the work would amount to approximately \$1,177.60. Accompanying the communication was a letter from Eaton & Smith, 407 11th street, San Francisco, the contractors on the above road, offering to make a deduction of three-quarters of a cent if the oil and screenings are omitted from their contract. The matter was referred to the County Engineer for report.

HIGHWAY IMPROVEMENTS—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on August 7th at 10 a. m. for the surfacing with oil and screenings a portion of the Redwood City to San Gregorio road, beginning at Station 167-91, Route 6, Division 3, Section 2, of San Mateo County Highway, at the first crossing of the San Gregorio Creek and extending along said road to a point at the junction of the county highways from Half Noon Bay to San Gregorio at San Gregorio, Station 561-00, Route 6, Division 2, Section 4, of San Mateo County Highways, located in the Fifth Road District.

HIGHWAY IMPROVEMENT—Cost not stated. Redwood City San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on August 7th at 10 a. m. for the paving with oiled macadam of Seminary avenue, beginning at its intersection with the State highway near the San Mateo City Homestead, and extending in a general westerly direction 0.54 of a mile, located in the Second Road District.

SEWER CONSTRUCTION—Cost not stated. Menlo Park, San Mateo Co., Cal. Engineer's name not given. Owners, Menlo Park Sanitary District. Bids will be opened on August 5th at 10 a. m. for the construction of a sewer on county road and Alejandro avenue, Menlo Park Sanitary District.

CULVERT PIPE—Cost not stated. Redwood City San Mateo Co., Cal. Engineer, none. Owners, San Mateo County. Supervisor Brown at the last meeting of the Board was instructed to purchase the following culvert pipe for use in his district: 46 feet of 18-inch pipe, 105 feet of 12-inch and 60 feet of 15-inch.

HIGHWAY IMPROVEMENT—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on August 7th at 10 a. m. for the paving with oiled macadam of Mills avenue and that portion of Laurel avenue between Ravenswood avenue and Glenwood avenue, Menlo Park, San Mateo County. Total length to be paved is 0.593 of a mile, located in the Third Road District.

HIGHWAY IMPROVEMENTS—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on August 7th at 10 a. m. for the construction of macadam shoulders along the Redwood

City to San Gregorio road, from Station 131-50 to Station 214-00, Route 6, Division 1 of San Mateo County highways, a distance of 1.543 miles, located in the Third Road District.

Contracts Awarded.

SWIMMING TANK—Reinforced concrete, \$17,000. La Honda, San Mateo Co., Cal. Architect, none. Owner, Mayor James Rolph, Jr., Contractors, McLaren & Peterson, Sharon Bldg., S. F. Contract price, \$17,000.

Figures Opened For Palo Alto School.

Six Sets of Figures Received For Class "C" Building to be Erected For Stanford School District.

Bids were opened in the office of Architect John J. Donovan, Dalziel Bldg., Oakland, Monday for the construction of a one-story and basement Class "C" school building to be erected for the Stanford School District in Palo Alto Santa Clara County. Following is a complete list of the bids received. All bids were taken under advisement.

Stanford School.

Bidder	Prop. 1	Prop. 2	Deduct
E. E. Etherson Co.....	\$24,200	\$ 640	
E. A. Hettinger.....	25,186	1920	
Robert Glaze.....	20,959	375	
Alfred Olson.....	24,597	1600	
McLeran & Peterson.....	23,500	1400	
Dreyfus Bros.	26,297	2350	

BUILDING CONTRACTS

SANTA CLARA COUNTY.

ALTERATIONS

S FRANKLIN AT SANTA CLARA, San Jose. All work for alterations to moving picture theatre.

Owner.....Victor Scheller, 1st Nat'l.

Bank Bldg., San Jose.

Architect...F. D. Wolfe, Bank of Italy

Bldg., San Jose.

Contractor...E. Nommensen, 134 So-

Eighth St., San Jose.

Filed July 15, '16. Dated July 14, '16.

Floor joists in place.....\$522.50

Plastering done.....522.50

Job completed.....522.50

Usual 35 days.....522.50

TOTAL COST, \$2090.00

Bond, \$1045. Sureties, T. B. and A. L.

Hubbard. Limit, 50 days from filing.

Forfeit, none. Plans and specifications

filed.

BRICK AND FRAME GARAGE

NW SAN PEDRO AND SAN FERNAN-

do Sts., San Jose. All work for one-

story brick and frame garage.

Owner.....Wm. F. Culligan.

Architect...Charles S. McKenzie, Bank

of San Jose Bldg., San Jose.

Contractor...T. J. Scherrebeck, NE

Alum Rock Ave and King

Road, San Jose.

Filed July 12, '16. Dated July 11, '16.

Old building off, foundations in \$2001

Brick wall up and roof framed 2001

Job accepted.....2001

Usual 35 days.....2001

TOTAL COST, \$8004

Bond, \$4100. Sureties, E. W. Schnabel

Wednesday, July 26, 1916
and H. H. Newlin. Limit, 90 days from
filing. Forfeit, none. Plans and speci-
fications filed.

FRAME COTTAGE -
PEARL AVE., bet. Hillsdale and Dow-
ner Aves, San Jose. All work for
one-story frame cottage.
Owner.....J. C. Rawlings.
Architect...Charles S. McKenzie, Bank
of San Jose Bldg., San Jose
Contractor...Al Compton, 547 N-17th
St., San Jose.

Filed July 12, '16. Dated June 23, '16.
Frame up.....\$650.25
1st coat plaster on..... 650.25
Job accepted..... 650.25
Usual 35 days..... 650.25
TOTAL COST, \$2583.50
Bond, \$1350. Sureties, D. C. Leonardi
and Fred H. Bigel. Limit, 90 days
from filing. Forfeit, none. Plans and
specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

BORING WELL
SELBY LANE, Atherton. All work for
boring well, etc. (Kewanee System).
Owner.....A. Guirold, Premises.
Architect.....None.
Contractor...Simonds Machinery Co.,
117-19-21 New Montgomery
St., San Francisco.

Filed July 15, '16. Dated May 9, '16.
On delivery at well site.....\$700
Installed and in operation..... 700
Usual 35 days after 2nd payment 700
TOTAL COST, \$2100
Bond, limit, forfeit, none. Specifi-
cations only filed.

BUNGALOW
LOT 30 BLK "C" Peck Sbdvn No. 1,
South San Francisco. Concrete, lum-
ber, mill work, plastering, painting,
electric wiring, window shades, hard-
ware, plumbing, etc., for four-room
and bath bungalow.

Owner.....H. C. Cassen, 631 Sansome
St., San Francisco.
Architect...None.
Contractor...J. W. Walker, 1183 Oak
St., San Francisco.

Filed July 19, '16. Dated July 18, '16.
1st floor laid, etc.....\$283
Frame up and roofed..... 283
Completed and accepted..... 283
Usual 35 days..... 283
TOTAL COST, \$1132

Bond, \$546. Surety, Massachusetts
Bonding & Insurance Co. Limit, 60
days. Forfeit, none. Plans and speci-
fications filed.

SWIMMING POOL
MOUNTAIN SPRING RANCH, bet.
Range 3 and 4 West and Twp 6 and
7 South, Woodside near Redwood City
All work for swimming pool.
Owner.....James Rolph Jr., City Hall,
San Francisco.

Architect...John Reid Jr., 1st National
Bank Bldg., S. F.
Contractor...McLeran & Peterson, 322
Sharon Bldg., S. F.

Filed July 12, '16. Dated June 26, '16.
Concrete walls placed.....\$1500
Floor and walls finished..... 1500
When completed..... 1489
Usual 35 days..... 1496
TOTAL COST, \$5985

Bond, none. Limit 45 days. Forfeit,
none. Plans and specifications filed.

BUILDING AND ENGINEERING NEWS

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED	ACCEPTED
July 7, 1916—SANTA TERESA, San Jose. P Stefanini to Jno Gabotto.	June 23, 1916
July 8, 1916—N SIDE OF MILPITAS, Milpitas School Trustees to E L Wolfe.....	July 3, 1916
July 10, 1916—QUINTO RANCH, Bradford Webster to Jno Rodoni.....	July 7, 1916
July 10, 1916—LOT 14 BLK 8 of Rose Lawn near San Jose. Tillie Peters to whom it may concern.....	July 7, 1916
July 12, 1916—LOT 3 BLK 13, Ham- chett Park near San Jose. B A Austin to S G Pelton.....	July 8, 1916

LIENS FILED

SANTA CLARA COUNTY.

RECORDED	AMOUNT
July 8, 1916—LOT 1 BLK 18, Frey- Schlags Sub., San Jose. T H Wil- liams vs Frank Peres.....	\$100

RELEASE OF LIENS

SANTA CLARA COUNTY.

RECORDED	AMOUNT
July 12, 1916—SANTA TERESA ST., San Jose. Richard Izor to P Stefanini.....	\$111
July 14, 1916—LOT 5 BLK 4, Massol Sbdvn, Los Gatos. A J Baron to Geo H Colbath, Bella L Colbath and S V Seastream.....	\$72.07
July 14, 1916—LOT 7 BLK 4, Massol Sbdvn, Los Gatos. A J Baron to Jesse S O'Neil and Anna R O'Neil.....	\$60

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED	ACCEPTED
July 18, 1916—LOT 13 BLK 26 Re- sbdvn of Dingee Park, Redwood City. George Hopkins to Gustave Waller.....	May 8, 1916
July 19, 1916—LOTS 3 AND 4 BLK "E" El Cerrito Park, San Mateo. Leslie D Whitney to Thos Elam & Son.....	July 10, 1916

BUILDER'S BOND.

SAN MATEO COUNTY.

July 13, 1916—SOUTH SAN FRANCISCO
I L Hoffman, Geo D Mengola, Ben-
jamin Kraus and Roy P Cohen, own-
ers with C E Lamhurth, contractor.
Surety, W. B. Reis. Amount of Bond,
\$1800.

LIENS FILED

SAN MATEO COUNTY.

RECORDED	AMOUNT
July 10, 1916—LOTS 3, 4, 5, 10, 11 and 12 BLK 16, Millbrae Villa Tract, Millbrae. E Korbus vs John J Popplano and John B Woolfrey.....	\$40

MARIN, CONTRA COSTA AND SONOMA COUNTIES

STREET IMPROVEMENTS—Cost as follows. Vallejo, Sonoma Co., Cal. En-
gineer, City Engineer, Vallejo. Own-
ers, City of Vallejo. City Engineer T.
D. Kilkenny has presented plans and
specifications to the City Council to-
gether with estimates, etc., for the
improvement of streets in the northern
district, which includes all unimproved
streets east of Sacramento street and
north of Capitol street, the cost of
which is placed at \$141,573.86. Of this
sum \$138,158.39 represents the total
construction cost, and incidental ex-
penses will amount to \$3,415.47. Among
the largest items in the estimate of
cost are concrete base, \$60,345.20; exca-
vating, \$25,311.60; asphaltic concrete
surface, \$22,551.45; concrete curbs, \$12,
181.15. The Council has passed the
resolution of intention providing for
the grading and paving of portions of
Butte, Branciforte, Santa Clara, Sacra-
mento, Marin, Sonoma, Sutter, Napa,
El Dorado, Capitol, Florida, Louisiana,
Tennessee, Indiana, Illinois and Arkan-
sas streets.

STREET PAVING — \$32,000. Rich-
mond, Contra Costa Co., Cal. Engineer,
City Engineer, Richmond. Owners,
City of Richmond. Contractor, Paul
Schnoor, 5905 Claremont avenue, Oak-
land. Contract price, \$33,000.

RESIDENCE — 2 story and base,
frame. Cost not stated. Richmond,
Contra Costa Co., Cal. Architect, James
T. Nabett, 704 Macdonald avenue,
Richmond. Owner, Gottlieb Messerle
Location, 10th street between Barrett
and Ripley. Will contain seven rooms,
bath and sleeping porch. Plans com-
plete and figures being taken.

SCHOOL—11 story and base, frame,
\$12,000. Danville, Contra Costa Co.,
Cal. Architect, Norman R. Coulter, 46
Kearny street. S. F. Owners, Danville
School District. Will contain two class
rooms and an assembly hall. Plans
complete and figures being taken. Bids
to be opened between August 12th and
15th.

STREET IMPROVEMENTS — Cost
not stated. San Rafael Marin Co., Cal.
Engineer, City Engineer, San Rafael.
Bids will be opened on August 7th at
8 p. m. for doing the following work,
including the furnishing of the neces-
sary labor and materials therefor in
the city of San Rafael, to wit: Cover-
ing the existing macadamized roadway
of G street between West End avenue
and 5th avenue with a bituminous
wearing surface.

FURNISHING ASPHALT—Cost not
stated. Santa Rosa, Sonoma Co., Cal.
Engineer, City Engineer, Santa Rosa.
Owners, City of Santa Rosa. Bids will
be opened on August 1st for the fur-
nishing of a twenty-ton earload of as-
phalt of 65 to 75 degree penetration to
the city of Santa Rosa. Delivery to be
f. o. b. Santa Rosa.

COUNTRY CLUB—1 story, frame and
plaster. Cost not stated. Mill Valley,
Marin Co., Cal. Architect, A. A. Cantin,
Foxcroft Bldg., S. F. Owners, Mill Val-
ley Country Club. Location, Blithedale
road. Will contain social rooms, ban-
quet hall and completely equipped
kitchen. Plans complete and figures to
be taken at once.

STORE—1 story and base, brick. Cost not stated. San Anselmo, Marin Co., Cal. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Will cover an area of 41 by 120 feet and contain several modern stores. Plans complete and figures being taken.

Contracts Awarded.

SCHOOL—1 story, frame addition. \$2,200. Martinez, Contra Costa Co., Cal. Architect, none. Owners, Alhambra School District. Contractor, A. W. Potter, Martinez. Contract price, \$2,200.

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

HIGHWAY CONSTRUCTION—Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford Owners, Kings County. The County Supervisors have rejected the bids received on the construction of the Guernsey-Dallas unit, and the lateral three miles east of Guernsey. The Board believing the bids too high. It is probable that new bids will be called.

HIGHWAY CONSTRUCTION—Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. The Board of Supervisors has instructed County Clerk Pickerrill to advertise for the construction of 17½ miles of the improved highway system. One of the units will run south of Armona five miles, and three miles south of Armona a lateral will run two miles west. Another unit will 5½ miles west of Grangeville, and also one mile south from Grangeville to the Yeakum corner three miles west of this city. The bids will be opened on August 7. Plans may be had from the County Clerk.

HIGHWAY CONSTRUCTION—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on August 8th at 2:30 p. m. for the construction of two miles of paving on Bellevue road, five miles southwest of Bakersfield. The paving will commence at the northeast corner of Section 5, Township 30 South, Range 25 East, M. D. M. and run west two miles. The paving will be constructed with a 4-inch concrete base and either a Topeka Top wearing surface or an asphaltic oil wearing surface. The contractors must specify to which kind of paving their bids apply.

STREET PAVING—Cost not stated. Visalia, Tulare Co., Cal. Engineer, City Engineer, Visalia. Owners, City of Visalia. The Trustees reissued the call for bids on the South Garden street paving to cover the error made in the recent call. Plans may be had from the City Clerk.

WAREHOUSE ALTERATIONS—Frame, \$3,000. Fresno, Fresno Co., Cal. Architect, none. Owners, Guggenheimer & Co., Santa Fe and Santa Clara Sts., Fresno. Plans complete and work to be done by Day Labor.

LIBRARY—1 story and base, brick. \$12,500. Madera, Madera Co., Cal. Architects, Coates & Traver, Fresno. Owners, City of Madera. Will cover an area of 96 by 48 feet and contain two reading rooms, stack room and office. Plans approved and figures to be called for at once.

SCHOOL—1 story, frame. Cost not stated. Madison School District, Fresno Co., Cal. Architect, none. Owners, Madison School District. Will contain two rooms. Plans complete and figures being taken. Bids close on August 3rd.

SCHOOL—1 story, brick, concrete and frame. Cost not stated. Wasco, Kern Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Wasco Union High School District. Bids will be opened on August 7th at 2 p. m. for the general construction, including pump house, water system and heating.

SCHOOL—1 story, frame. Cost not stated. Larkin Valley School District, Santa Cruz Co., Cal. Architect, none. Owners, Larkin Valley School District. Bids will be opened on July 31st for a one-room school.

BUILDING CONTRACTS

FRESNO COUNTY.

REPAIRS

LOTS 1 AND 2 BLK 64, Fresno. Repairs on garage.
Owner.....W. H. Mackinnon.
Architect...None.
Contractor...F. A. Smith, 2421 Lewis St., Fresno.

COST, \$2500

REPAIRS

LOTS 14, 15 AND 16 BLK 92, Fresno
Repair fire damage (Holland Bldg.)
Owner.....Holland & Holland.
Architect...None.
Contractor...E. J. Farr, 245 Fortcamp 2 St., Fresno.

COST, \$2500

FRAME SCHOOL

PTN LOT "B," Navelencia Farms, Fresno. All work for one-story 1-room frame school building and out buildings.

Owner.....Board of Trustees of the Navelencia Grammar School District.

Architect...Ernest J. Kump, Rowell Bldg., Fresno.

Contractor...Fred J. Geiser.
Filed July 19, '16. Dated July 17, '16.
Monthly payments of..... 75%
Usual 35 days..... 25%

TOTAL COST, \$2518

Bond, \$260. Sureties, J. E. Frame and F. C. Sperling. Limit, 40 days. Forfeit 5. Plans and specifications filed.

ALTERATIONS

SANTA FE RESERVATION near Santa Clara St., Fresno. Alterations to warehouse.

Owner.....Guggenheimer & Co., Santa Fe and Santa Clara Sts., Fresno.

Architect...None.
Day's work.....

COST, \$3000

LAYING BRICK

LOTS 28 TO 32 BLK 50, Fresno. All work for laying brick for boiler.
Owner.....Pacific Gas & Electric Co., J and Tuolumne Sts., Fresno.

Architect...None.
Contractor...T. T. Barrett.
Filed July 15, '16. Dated July 6, '16.
When completed..... 75%
Usual 35 days..... Balance

TOTAL COST, \$450

Bond, \$250. Surety, New Amsterdam Casualty Co. Limit, 12 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

LOTS 15 AND 16 BLK 112, Fresno.
Alter apartments.
Owner.....David Cutter.
Architect...None.
Contractor...Hansen Constr. Co., 2225 Fresno St., Fresno.
COST, \$4500

ALTERATIONS

TRANQUILITY. Remodel and construct addition to school building.
Owner.....Trustees of Tranquility School District.

Architect...None.
Contractor...F. J. Stone.
Filed July 19, '16. Dated July 14, '16.

Lumber on ground, frame up and ready for siding and roof.....\$1000
Enclosed and brown coated..... 1000
Completed and accepted..... 1272
TOTAL COST, \$3272

Bond, \$4636. Sureties, W. L. Compton and G. A. Adams. Limit, 45 days. Forfeit, \$10. Plans and specifications filed

FRAME DWELLING

LOTS 21 AND 22 Berry Tract, Fresno.
Frame dwelling.
Owner.....Mrs. J. Laval, 239 Blackstone St., Fresno.

Architect...None.
Contractor...G. Heggquist, 650 Jensen St., Fresno.

COST, \$2250

ALTERATIONS

NO. 1915 MARIPOSA ST., Fresno. Remodel store.

Owner.....J. Smith, Fresno.
Architect...None.
Day's work.....

COST, \$1000

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

HOSPITAL PAINTING—Cost not stated. Colusa, Colusa Co., Cal. Architect, none. Owners, Colusa County. Bids will be opened on August 8th for painting the County Hospital buildings.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on August 1st for street improvements authorized under the following resolutions: That Sacramento avenue, from the south line of Y street to the north line of Magnolia avenue, be improved by constructing concrete curb, concrete gutter, placing 6-foot cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; 2 concrete manholes and 6 8-inch, vitrified ironstone sewer pipe drains; grading the space between the property line and curb, constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

That Y street from the east line of 26th to the east line of 31st street be improved by constructing concrete curb, concrete gutter, placing two cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; 6-inch, vitrified, ironstone sewer pipe drains; grading the space between the property lines and curb; constructing concrete sidewalk, grading the road-

way and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

That 12th street from the north line of R street to the north line of W street be improved by reconstructing three concrete manholes and 4 concrete catchbasins; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Further information may be had from M. J. Desmond, City Clerk at Sacramento.

CHURCH—1 story and base, frame, \$8,000. Arcata, Humboldt Co., Cal. Architect, Frank T. Georgeson, Georgeson Bldg., Eureka. Owners, Arcata Presbyterian Church. Location G St., covering an area of 27 by 40 feet. Will contain auditorium and Sunday school room. Plans complete and figures being taken.

COURT HOUSE—2 story and base, reinforced concrete and steel, \$175,000. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Yolo County. Bids will be received on August 14th at 1:30 p. m. for the general construction, heating, ventilating, vacuum cleaning, clock system, electric work, plumbing and roofing. Plans can be secured from the office of the architect.

GARAGE—2 story and base, frame, \$5,000. Redding, Shasta Co., Cal. Architect, none. Owner, E. A. Hersey, 311 Yuba street, Redding. Location, Yuba street, covering an area of 70 by 100 feet. Designed for a commercial garage. Plans complete but figures will not be called for before a month.

LODGE HALL AND STORES — 5 story and base. Class A construction. Cost not stated. Sacramento, Cal. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Masonic Temple Association. Location, 12th and J streets, covering an area of 100 by 160 feet. Will contain stores on first floor, lodge rooms and offices above. Preliminary plans only prepared.

HOTEL—2 story and base, cement block. Cost not stated. Quincy, Plumas Co., Cal. Architect, none. Owners, William Hemstock Co., Quincy. Will cover an area of 100 by 75 feet and contain 50 rooms besides lobby and dining room. Plans complete and work to be done by Day Labor.

HOSPITAL—3 story and base, reinforced concrete, \$175,000. Sacramento, Cal. Architect, R. A. Herold, Forum

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

Bldg., Sacramento. Owner, Dr. John L. White. Location, 29th and J streets. Only preliminary plans have been prepared.

BORING WELLS—Cost not stated. Woodland, Yolo Co., Cal. Engineer, City Engineer, Woodland. Owners, City of Woodland. Bids for boring wells for the city water works have been ordered received by the City Council. The bids will be opened at the next meeting which is set for August 7th.

RAILROAD CONSTRUCTION — Cost not stated. Keddie, Plumas Co., Cal. Engineer's name not given. Owners, Indian Valley Railroad Co. Contractors, Utah Construction Co., Phelan Bldg., S. F. Contract calls for 24 miles of broad gauge road.

ELECTROLIER SYSTEM—Cost not not stated. Redding, Shasta Co., Cal. Engineer, City Engineer, Redding. Owners, City of Redding. The City Trustees have directed the City Engineer to purchase and install 14 electroliers on the business streets—Market, California and Yuba.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded as follows: For the improvement of 24th street, from Bonita avenue to 3rd avenue, in West Curtis Oaks, by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch elbows attached, concrete manholes, 6 and 8-inch, vitrified, iron-stone sewer pipe drains; grading the space between the property line and

DIRECT TO YOU

Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993 515 J. St., Sacramento

FAST ELECTRIC TRAINS
TO
Sacramento

LEAVE KEY ROUTE FERRY

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point. Carries Observation Car. Through train to Chico, Marysville, Colusa Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa. Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train service between Bay Cities and points in the Sacramento Valley.

Thru beautiful Redwood Canyon and Mt. Diablo country.

Write for illustrated folder and time table.

Oakland Antioch & Eastern Railway

L. H. RODEBAUGH
Traffic Manager
Oakland, - Cal.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 3736.

curb, concrete sidewalks, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert, Ochsmier Bldg., Sacramento.

For the improvement of the alley next west of Hawley avenue, from south Carnell avenue to north Schley avenue, by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with 34 6-inch, vitrified, ironstone Y branches, etc., concrete manhole complete, and backfilling trench. Awarded to J. W. Terrell, 1111 29th street, Sacramento.

For the improvement of J street, from Mont Clair avenue to Apricot avenue, by excavating a trench and constructing therein 8, 10, 12, 15 and 18 inch, vitrified, ironstone pipe sewer and 16 concrete manholes; also 3 8-inch, vitrified, ironstone pipe inlets in manholes. Awarded to J. W. Terrell, 1111 29th street, Sacramento.

BRIDGE—Reinforced concrete. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. The County Supervisors have instructed the Clerk to advertise for bids for a bridge over Antelope Creek and another one over Long Gulch Slough. Plans may be had from County Clerk H. G. Kuhn.

BRIDGE—Steel and concrete. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Bids will be opened on August 9th at 10 a. m. for the construction of a steel bridge over Digger Creek where the present old bridge is located on the road from Mantonto Volta, said bridge being a joint bridge between Shasta and Tehama Counties.

BRIDGE—Steel and concrete. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. At the last meeting of the County Supervisors plans and specifications were ordered drawn by the County Surveyor for a joint bridge across the Bee Gum between this county and Shasta. Plans and specifications were also ordered for another joint bridge at Manton.

BRIDGE—Reinforced concrete. Cost not stated. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Bids will be opened on August 8th at 2 p. m. for constructing a reinforced concrete bridge over Forsythe Creek, near Calpella, in the Second Road District. Construction of bridge complete. Price per cubic yard concrete in place. Contractors must make their bids, figuring on receiving no money until the work is completed, as no payments whatever will be made on said work until the bridge is fully completed and regularly accepted by said Board.

BRIDGES—Steel and concrete. Cost not stated. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. The County Supervisors at their last meeting instructed the County Surveyor to prepare plans and specifications for the following bridges throughout the county: Road District No. 1—Wood and concrete bridge over Black Rascal

Creek on McKee Road. Road District No. 2—Wood and concrete bridge over Mariposa Creek on Pate road. Wood and concrete bridge over Deadman's Creek on Baxter road. Road District No. 3—Wood and concrete bridge over Canal Creek on Oakdale and Cox Ferry road. Road District No. 4—Reinforced concrete bridge over lower canal at Sullivan Ranch. Reinforced concrete bridge over San Luis Creek on Middle road near Iverson's. The Supervisors requested that the plans be presented as soon as possible for approval.

Contracts Awarded.

STREET—Concrete, \$1,597. Stockton San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, Jacobs & Sayles, 530 East Acacia street, Stockton. Contract price, \$1,597.

BRIDGE—Steel and concrete, \$5,000. Marysville, Yuba Co., Cal. Engineer, County Surveyor Marysville. Owners, Yuba County. Contractors, Jenkins & Wells, 3523 Y street, Sacramento. Contract price, \$5,000.

BRIDGE—Steel and concrete, \$3,260. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, E. D. Sharp, Chico. Contract price, \$3,260.

SCHOOL—1 story and base, brick, \$6,947. Nelson, Butte Co., Cal. Architect, Chester Cole, Chico. Owners, Nelson School District. Contractors, Barton & Hite, 626 26th street, Sacramento. Contract price, \$6,947.

SCHOOL ADDITION—1 story and base, frame, \$3,222. Yuba City, Sutter Co., Cal. Architect's name not given. Owners, Lincoln School District. Contractor, J. O. Palm, Marysville. Contract price, \$3,222.

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

APARTMENTS

SW AURORA AND WEBER AVE. Stockton. Plumbing, heating, painting and sheet metal work for three-story and basement apartment house. Owner.....Thomas Walsh, Commerce and Willow Sts., Stockton. Architect...Ralph P. Morrell, 12-15 I. O. F. Bldg., Stockton. Contractor...Robert Hansen, 1113 E-Channel St., Stockton.

Filed July 15, '16. Dated July 15, '16.
Roughing in completed.....\$1471
Sheet metal work.....1469
When fixtures are fixed.....1469
Usual 35 days.....1470

TOTAL COST, \$5879

Bond, \$2940. Surety, Ramsey & Emerson. Limit, 120 days. Forfeit, none. Plans and specifications filed.

BRICK APARTMENTS

LOT II BLK 9, E of Center, Stockton. All work except plumbing, heating, painting and sheet metal work for three-story brick apartments. Owner.....Thomas F. Walsh, 7 W. Willow St., Stockton. Architect...Ralph P. Morrell, 12-15 I. O. F. Bldg., Stockton.

Contractor...J. S. Peletz, 428 E-Fremont St., Stockton.
Filed July 11, '16. Dated June 22, '16.
2nd story joists in place.....\$2500
3rd story joists in place.....2244

Roof on brick work completed 2000
Rough plumbing tested and inspected 2500
Electric work completed and plastering done..... 2500
Interior trim & hardware fitted 2500
Usual 35 days..... 4748

TOTAL COST, \$18,992

Bond, \$9496. Surety, Miller & Post Limit, 120 days. Forfeit, none. Plans and specifications filed.

SCHOOL

THREE MILES S OF MANTECA, CAL.

All work for two class room school and assembly hall.

Owner.....San Joaquin School District, Thorpe, Clerk.

Architect...Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Contractor...C. C. Busch, Ripon, Cal.

Filed July 13, '16. Dated July 10, '16.

Lumber delivered and frame up\$1500.00

Plastering completed 1590.00

Inside and outside finish completed 1552.00

Usual 35 days..... 1547.50

TOTAL COST, \$6190.00

Bond, \$3095. Sureties, Kaule Sotshall and A. J. Nousee. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED **ACCEPTED**

July 14, 1916—N ¼ OF NW ¼ OF

NW ¼ of Sec 17, 14-22, Sacramento.

Emma L. Gunn to whom it may concern.....July 10, 1916

LOS ANGELES AND SOUTHERN CALIFORNIA

BRIDGE—Reinforced concrete, \$40,000. Santa Ana, Orange Co., Cal. Engineer, S. H. Finley, Santa Ana. Owners Orange County. S. H. Finley is completing plans for a concrete bridge to be constructed across the Santa Ana River on West Chapman street, West Orange. The bridge will be 574 feet long, with a roadway of 21 feet, and have two center spans 54 feet apart, and the end spans 36 feet similar in design to the Talbert and Olive bridges.

HIGHWAY CONSTRUCTION—\$132,855.25. Los Angeles, Cal. Engineer, Road Commission L. A. Owners, Los Angeles County. The Road Commission has completed plans and specifications for improving Section D of the Mint Canyon road. The section is 10.63 miles in length and will be paved with concrete 20 feet wide and 5 inches thick. The approximate quantities are: 94,275 cubic yards of excavation, 56,153 linear feet of shaping road bed, 22,000 linear feet of guard fence, 11,123 pounds of reinforcing steel, 336 cubic yards of class A concrete for culverts and headwalls, 124,793 square yards of concrete pavement. The county will furnish 23,221 barrels of cement, 261 tons of lime and 1,486 barrels of oil. The estimated cost is \$125,493.75. Bids will also be taken on proposition B, which is the same as above except that the county will furnish 12,716 tons of

sand, 20,760 tons of broken stone and 2,559 tons of screenings from the county plant.

HIGHWAY CONSTRUCTION — \$28,000. Santa Barbara, Santa Barbara Co., Cal. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Bids will be opened on August 4th for the construction of a portion of what is known as the Harris Station-Lompoc road in the Fourth and Fifth Road Districts; said road begins at Station No. 442-20, Section B of the State highway near Harris Station, and runs southerly towards Lompoc 4.18 miles.

WINE STORAGE PLANT—2 story and base, brick and frame, \$60,000. Wineville, Riverside Co., Cal. Architects, Morgan, Walls & Morgan, Van Nuys Bldg., L. A. Owners, Italian Vineyard Co. Contractors, Alpetter & Alpetter, L. A. Contract price, \$60,000.

HOTEL—10 story and base, reinforced concrete, \$200,000. Los Angeles, Cal. Architects, John M. Cooper and W. Douglas Lee, Marsh-Strong Bldg., L. A. Owner, J. M. Cooper. Location, south Sixth street near Hope, covering an area of 75 by 103 feet. Will contain 261 rooms and 150 baths. Plans complete and segregated figures being taken.

Contracts Awarded.

RESIDENCE—2 story and base, hollow tile, \$25,000. Redlands, San Bernardino Co., Cal. Architect, Elmer Grey, Wright and Callender Bldg., L. A. Owner's name withheld. Contractor, Davis Donald, 10 5th street, Redlands. Contract price, \$25,000.

STREET IMPROVEMENTS—\$21,021.64. Los Angeles, Cal. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Contractor, J. Hein, Stimson Bldg., L. A. Contract price, \$21,021.64.

STREET PAVING—\$35,495.14. Riverside, Riverside Co., Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Johnson-Shea Co., 500 Market street, Riverside. Contract price, \$35,495.14.

BULKHEAD — Reinforced concrete and timber, \$125,000. Venice, Los Angeles Co., Cal. Engineer's name not given. Owners, Town of Venice. Contractors, Braun, Bryant & Austin, Venice. Contract price, \$125,000.

HOTEL—2 story and base. Class C construction, \$40,000. Los Angeles, Cal. Architect, A. B. Rosenthal, Lankershim Bldg., L. A. Owner, Col. J. B. Lankershim. Contracts have been awarded as follows: Carpenter work, mill work and finish to John Herington, 6922 Hawthorne avenue, L. A.; brick and concrete work to Stradley & Newton, Builders' Exchange, L. A.; plastering to Duncan & Westberg, Builders' Exchange, L. A.; sheet metal work and fireproof windows to Arcade Cornice Works; painting to E. Waynon; roofing to Paraffine Paint Co.; plumbing and steam heating to S. C. Brown; electric work to the Electric Lighting and Supply Co.; glass to the Los Angeles Glass Co.; structural steel and iron to the Baker Iron Works, and marble and tile work to Joseph Musto Sons-Keenan Co.

PORTLAND AND OREGON

CHURCH—1 story, brick and frame, \$22,000. Astoria, Ore. Architects, Whitehouse & Foulhux, Wilcox Bldg., Portland. Owners, Methodist Episcopal Church. Will contain auditorium seating 300 people, Sunday school rooms seating 200 people and a large balcony. Plans complete and figures being taken.

SEATTLE AND WASHINGTON

APARTMENT HOUSE—1 story and base, brick, \$65,000. Seattle, Wash. Architect, R. Hamilton Rowe, Mutual Life Bldg., Seattle. Owner, E. A. Hartley & Co. Location, First avenue and West Highland, covering an area of 59 by 130 feet. Will contain 42 suites of three rooms each. Plans being completed.

LODGE HALL—3 story and base, brick, \$45,000. Centralia, Wash. Architects, Stephen & Stephen, New York Block, Seattle. Owners, Elks Hall Association. Will cover an area of 60 by 120 feet and contain stores on the first floor. Upper floors arranged for lodge rooms. Plans complete and figures to be called for shortly.

POST OFFICE—2 story and base, steel and stone. Cost not stated. Wenatchee, Wash. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. All bids received at Washington, D. C., for the construction of the proposed U. S. Wenatchee post office have been rejected and a new call for bids will be issued. On June 1 the proposal of Bird & Hobson, contractors of Wenatchee, the lowest bidders for the construction of the building, in amount \$78,618, was accepted, based upon the use of Wilkinson sandstone. The bidders since stated they made an error in their figure and declined to accept the contract.

SECTARIAN COLLEGE GROUP—1, 2 and 3 story, reinforced concrete, \$200,000. Gooding, Idaho. Architects, Tourtelotte & Hummel, Rothchild Bldg., Portland. Owners, Methodist Church of Idaho. First unit administration building to cost \$80,000. This is the first of the group of buildings that the college will put up on a 40-acre campus adjoining the town of Gooding. The trustees are planning to follow it with half a dozen other structures to be erected as rapidly as funds become available. Included in the proposed group of buildings will be a science hall, dormitories and a building for the agricultural department. There is \$200,000 available for buildings and grounds, which will be used for this purpose. The administration building will be constructed of Boise cut stone. In it are to be located an auditorium, class rooms, study hall and the administration offices.

Contracts Awarded.

SCHOOL—2 story and base, brick, \$19,065. Port Angeles, Wash. Architect, H. H. Ghnold, Northern Bank Bldg., Seattle. Owners, City of Port Angeles. Contractors, Columbia Construction and Engineering Co., 2045 West 16th street, Seattle. Contract price, \$19,065.

CHURCH REHABILITATION—Steel and terra cotta, \$125,000. Seattle, Wash. Architect, John Graham, Green Bldg., Seattle. Owners, St. James Cathedral. Contractor, P. A. Baillargeon, New York Block, Seattle. Contract price, \$125,000.

LUMBER FAMINE.

Architects, contractors and others interested in building construction at this time, owing to the water-front strike, are facing a so-called **Lumber Famine**, and this particularly applies to the scarcity of wood lath.

It is an opportune time therefore to call to the attention of the readers of the Daily Pacific Builder, the fact that a substitute which embodies many improvements is now available in the **KEY-HOLD LATH**.

The Building Committee of the Board of Supervisors recently amended the Building Laws, by specifying that 20% of the surface of the plaster-board be mechanically keyed insuring a better bond between the plaster and the plasterboard, thus permitting the extended use of plasterboard. **DOVE TAIL "KEY-HOLD Lath"** positively accomplishes this fact. This plasterboard may be used on the interior in place of wood or metal lath, and by their own special system of locking and fastening to metal stud in Class "A," "B," and "C" construction, at a considerable saving in time and expense.

KEY-HOLD LATH, WATER-PROOFED, for exterior work is claimed to be the only known plasterboard to which can be directly applied successfully cement plaster, with or without chicken netting or wire lath; the **DOVE TAIL HOLE** making it impossible to separate the plaster from the board after setting.

Another very attractive feature of the **KEY-HOLD LATH** is that there are no horizontal joints in interior work as the board is manufactured, in lengths to reach from floor to ceiling, and being strictly a plasterboard will not warp or buckle.

This board is being produced by special automatic machinery and put on the market by the **KEY-HOLD LATH COMPANY**, whose personnel is made up by J. A. Levensaler, of the Levensaler-Speir Corporation, who has had long experience in plasterboard construction, and J. F. Makowski, as Superintendent of Construction, whose wide experience in the metal lathing and furring business well fits him for this practical work.

We are glad to announce that the **KEY-HOLD LATH COMPANY** are ready to demonstrate this construction for exterior and interior work and are prepared to take contracts for their system of fireproof partitions and suspended ceilings in all classes of buildings, as well as exterior cement stucco work, in conjunction with their **WATER-PROOF "KEY-HOLD LATH."**

Their offices are 351-5 Monadnock Building, Telephone Douglas 3472.

WHY NEW FACTORIES ARE COMING TO CALIFORNIA.

While it is undoubtedly true that, on account of what is termed "the unions," many factories are discouraged from coming to California, or, rather, that many Eastern manufacturers who ought to open factories in this State are being frightened off by the almost universal, though much exaggerated, talk of "labor conditions" in the Golden State—the fact still remains that nowhere else in the whole world are "labor considerations" really

so favorable to the manufacturer, and to the consumer whom to please is the highest importance in the list of reasons why any manufacturer must locate in one location instead of another.

Experts of the Home Industry League of California, after deep thought, based on the widest investigations of so-called "labor conditions" in California and elsewhere, have come to the final conclusion that even though all the public misconception of the "tyranny" of Labor Unions in California were really true, instead of being mostly travesty, the fact remains that for many classes of industry the "labor conditions" in California are much more advantageous to the factory owner than are the labor conditions, similar conditions, in any State of the East where popular fallacy proclaims all large factories must be located in order to be successful from the viewpoint of owners' cash-box.

Every employee of a factory in California gives to his employer, for the same number of hours of employment, more than forty per cent (40%) more return than is given by the same grade of employee, in an eastern state, to a factory owner located there. This statement is worth more than a passing thought: Think of it, you Californians who are apt to rashly "knock" labor conditions in your own state: Every man and woman in a California factory gives the California employer fully forty per cent (40%) MORE financial return to his employer, for the actual wages paid, than does the factory operative in the East. Authority for these figures is assumed by A. C. Rulofson, chairman of the Executive Committee of the Home Industry League of California, who quotes the "efficiency experts" of the Southern Pacific Railway who have been making most careful analyses of the "labor problems" in the State of California.

Boiled to the bone the reports of the efficiency experts prove that forty per cent more "product" is given by the California operative than the similar operative in the East, for the following reasons:

1. Climatic conditions in California—evenness of temperature throughout the entire year—make "steam heating," "electric fan cooling," unnecessary—thus saving the cost of each, and maintaining a 100 per cent working efficiency for the local operative. While in eastern factories he must frequently pause for reasons of it being too cold or too warm. The California climate further permits more "open-air" (open-window and open-door) working of the employees—thus inducing the operatives to produce not only more product per hour but a higher grade of that product as well.

2. Physical conditions surrounding California factories are so much more favorable than those of the East that office employees in California arrive to work on time and in finer physical condition than corresponding employees in the East—no time being lost in California, by factories, through employees being delayed by snowbound cars, by blizzards "unavoidables" and the like.

3. The California employee lives better than the employee back East; is better satisfied; gets finer consideration from his firm—thus being happier at his work, being more interested in the firm's success; and giving a greater rate and a higher grade of product without as much conscious effort as

the similar employee back East.

The fact that although California has four great overall factories successfully competing in the markets of the world with the factories of the East and South and of Europe as well, and yet a monster overall factory of Detroit ("The Headlight") has just found it wise business to come to San Francisco and open another factory of the kind here, with an investment in machinery alone of over \$250,000 and an operative force of over 500 employees, meaning a local living for some 2500 people who depend upon these 500 for support, is the most conclusive evidence that the real condition of the "labor problem" in California is advantageous to the factory owner, all the other overall factories having always featured the fact that their entire staffs are "union."

It is pointed out by the Home Industry League that even these most successful overall factories would not be bringing so much of the world's money to California today if they had not had, in their inception, the hearty support of Californians in the campaign to "buy homemade goods," and that every resident of the State, in whatever walk, is better off for every dollar of outside money brought to California for home-manufactured merchandise, that it is certainly to the interest of every man, woman and child in California to give the preference to a "made-in-California" every time he orders even so small a thing as a package of tacks.

ROAD MACHINERY SUPERSEDES HAND LABOR.

American Consul Homer Brett, at La Guaira, Venezuela, reports that the policy of the department of public works in its road building hitherto has been to use hand labor exclusively, so as to give employment to as many persons as possible; but recently a number of wheeled scrapers were bought in the United States, and after they had been tested officially it was announced that one man with a scraper accomplished the work of 20 men under the old method.—Commerce Reports.

INCREASED TRADE OF NEW ZEALAND.

Consul General Alfred A. Winslow, at Auckland, New Zealand, reports that of the total value of the imports into that country, valued at \$20,219,291, during the first three months of 1916 the United States supplied goods to the value of \$3,757,317, compared with \$2,842,712, out of a total of \$24,434,951, during the corresponding period in 1915.

The United States Geological Survey has available for distribution its annual statement on sand-lime brick. During 1915 the quantity of sand-lime brick sold showed an increase of 7,014,000 brick, or 4 per cent, and the value showed an increase of \$76,592, or 7 per cent, over 1914.

HIGHWAYS IN KINGS COUNTY.

HANFORD, Cal.—Seventeen miles of Kings county highway have been paved and thirty-nine miles of paving is now under construction, according to County Engineer Ben Duffield. This is part of the county's good road system, for which a bond issue of \$672,500 was passed last year. When the sys-

tem is completed, the county will have 102 miles of paved highway, not including the state highway lateral.

The whole of the system with the exception of six miles has now been surveyed.

Paving is now proceeding on the Lemoore-Straford unit, Hanford-Lemoore unit and Hanford-Guernsey unit. Work is about to begin on the Hanford-Grangeville-Hardwick unit.

NEW DAM COMPLETED.

STOCKTON, Cal.—The big Strawberry dam, the largest in Tuolumne County, has been completed. According to reports brought to Stockton the water is now within ten feet of the bottom of the spillway and is running into the reservoir at the rate of a foot every twenty-four hours.

The new dam replaces a long crib dam built in 1861 to supply water to the Southern Mines along the Mother Lode.

The new reservoir is a part of the Sierra and San Francisco Electric Power Company's big system of hydro-electric plants.

MAY TUNNEL UNDER BRITISH CHANNEL.

LONDON—The old project of building a tunnel under the English channel to connect England with the continent has again been revived. Plans are on foot for a meeting of a large number of members of Parliament to consider how far the scheme can be furthered at present with a view to putting it into execution at the end of the war. The decision of the Allies' Trade Conference to establish rapid land and sea transport service at low cost is said to have a direct bearing on the revival of the matter.

PORTERVILLE PAVING.

PORTERVILLE, Cal.—City Engineer F. W. Pease has compiled figures showing that there are 31 miles of streets in Porterville, 5 1/4 miles of which are paved, or about 18 per cent. One alley is paved for a distance of 1238 feet.

STREET IMPROVEMENTS IN RICHMOND.

RICHMOND, Cal.—There has been \$508,250 in street work completed for the past year and \$1,175,250.01 in street improvements since 1900, according to the annual report of City Engineer H. D. Chapman filed with City Clerk A. C. Paris.

One of the largest individual street contracts awarded during the past year was Cutting boulevard which totaled \$276,000. The streets improved for 1915-16 are Cutting boulevard, Castro street, Richmond avenue, Montecito avenue, Vacca street, Golden Gate avenue, Thirty-first and Mary streets, Solto avenue, Esmond avenue, Sixteenth street, Sixth street, Seventh street, Castro avenue, Tenth street and Laurel avenue.

Work under construction at the present time consists of San Pablo avenue, Coleman-Pullman sewers, Canal subdivision sewers, Twenty-third street, Wall tract sewers, Pullman townsite sewer and Coleman-Pullman sewers.

As to the tangible and practical methods to be adopted for the purpose

of preparing this country for any emergency that may arise, the last and great thing to do is to prepare her men. On them rests the defense of the republic in the last analysis. And in order that they may be of service in the time of need it is just as necessary that they have proper training as it is that any tradesman know his trade in order to perform his work in a workmanlike manner. An army is an organized unit in which each soldier fits into his part and in modern warfare mechanism and highly specialized machines play an important part. Organization and drill are the important factors and just as essential as the co-ordination of the parts of a machine.

The Swiss Republic has a system of education that may well be taken as a model. There the physical training of the child begins at the age of ten and is under the supervision of male teachers appointed by the federal government. There they are given drills in which not only the physical being is developed but the pupils are taught the value of team work and each boy is taught to realize that upon him depends the success or failure of the whole team. Thus co-ordination is taught, the value and the necessity of concerted action, and in order for one to succeed all must succeed.

The difficulty with this country is that there is too much individualism in such matters. Each boy depends on himself and does not learn the value of team work unless he plays in a ball team or is a member of a rowing crew or something of that sort. All for one and one for all is the idea and on that principle the maneuvers of armies are based.

It is interesting to note that in Switzerland, where there is compulsory service upon all the made citizens, and every man is required to serve in the army from his 20th to his 42nd birthday, and the total time which he serves in the army during these 22 years is 193 days, an average of only 9 days a year during the period of service. Surely this imposes no onerous burden and it does not detract from his earning power in whatever occupation he may follow. And yet Switzerland has one of the most efficient armies in the world.

This matter of service need not be compulsory, but may be optional, so that any one can take it or not. However, the preparatory physical drill should be compulsory just the same as is the mental training, for both are equally necessary in developing efficient citizens.

This is a good time to call public attention to the needs of our schools in this particular. We need more real

men as educators who will come into contact with the youth of the land and take charge of this physical education as well as transmit to the boys a man's view point of the world. Our teaching force is composed almost entirely of women; many of them are opinionated old maids, whose viewpoint of life is warped by their own personality. The schools are given over to petty politics and there is a strong need of some central supervision that will co-ordinate our schools and raise the standard of our educational system.

While the interest is here let us take some action that will put the future generation on a basis of preparedness for adequate national defense.

Plant to Cost \$350,000.

KENNETT (Shasta Co.)—The report that the Mammoth Copper company contemplates building an electrolytic plant for recovering values in baghouse dust is corroborated authoritatively by George W. Metcalfe, General Manager.

General Manager Metcalfe says:

"The plant will cost \$350,000. We have 25,000 tons of baghouse dust to treat and more dust is being caught every day the blast furnaces run. One thousand horsepower of energy will be required.

"The chief element of cost is electrical power. The company will build the plant on Backbone Creek, a mile above the smelter."

General Manager Metcalfe explained that the process was developed at Winthrop by the Bully Hill Copper Company, which has spent eight years experimenting. The Mammoth Copper Company's chemists spent four months last Winter and Spring at Bully Hill elaborating the process, which is something almost entirely new in metallurgy.

"While the process is experimental and has never been tried on a commercial basis," said General Manager Metcalfe, "the Mammoth is so sure it will work out satisfactorily it is ready to put up \$350,000 to construct the first unit. Other units will be constructed as occasion may require. The plant will not be a large building, as is the smelter, but it will be a collection of smaller buildings.

"Twenty-three per cent of the baghouse dust is zinc. It contains also gold, silver and copper, as well as cadmium, bismuth and antimony. The plant will give employment to fifty or sixty men. Construction work, of course, will give employment to a great many men."

Eight years ago the Bully Hill Mine at Winthrop was shut down and the quarter million dollar smelter was

closed. There was so much zinc along with the copper the ore no longer could be smelted to advantage in the blast furnaces. The zinc smothered the fires in the furnaces, and, besides, great values in zinc were lost. The Bully Hill Company set about trying to discover a process by means of which zinc as well as copper could be saved. The result of costly experimenting carried on for eight years is the electrolytic process upon which the Mammoth Copper Company is now ready to spend \$350,000 as a starter.

It has not learned what the Bully Hill Company will do with its process at Winthrop.

The news that the Mammoth Copper Company would build a plant costing over a quarter of a million dollars is the most important industrial event in Shasta County's great copper belt for years.

WE DON'T INSULT OUR SOLDIERS NOW.

(From the Marysville Appeal)

Nobody laughs or pokes fun at the National Guard just now. In these days of doubt, when the United States is upon the brink of war, somehow or other we don't jeer at the boys in khaki and call them "yellow legs" and other taunting names, as we were prone to do in other days of peace.

Just now we look up to the National Guard as a mighty serious organization. We who are not members and who are not called from our shops and offices to prepare to defend our country's flag and honor can not help but feel grateful to the militia of this country.

If war is declared the boys of this country who are members of the Guard will go forward with the regular army. And, because of the drilling and training they have had they will go as good soldiers. They will do themselves and their country proud.

And when they leave for the front there will be ovations tendered them. When they return—those that do return—they will be greeted as conquering heroes.

Our regular soldiers also will be feted and greeted as heroes. These are "war times" when we have respect for the men who wear our country's uniform.

But after peace is declared and the country settles back into the pursuits of peace we will again ignore and actually insult the men who are our soldiers. We will again, in some cities, refuse to allow our soldiers and sailors in uniform to attend our theatres. We will give them scant treatment in our cafes and public places.

The way we treat our soldiers and sailors in time of peace is our national disgrace.

A man who will join any branch of the United States military service should be honored at all times. In peace as well as in war he should be respected wherever he goes as long as he behaves himself.

And the average soldier and sailor and National Guardsman is a gentleman. Because of the rebuffs he gets in the "best places" he is forced, many times to patronize resorts far beneath his dignity and his own tastes. We as individual Americans are to blame for the unjust reputation our soldiers and sailors have acquired.

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

While any system of defense must necessarily look to the nation as a whole and any plan formulated must be from the standpoint of the United States of America, still the concrete matter that concerns us is the proper defense of the Pacific Coast. We are a long way from Washington and the population west of the Rocky Mountains is small compared to the population east of the Divide. So that the pork barrel politicians and the wooden headed congressmen are likely to overlook us unless we make an awful noise.

Fortunately there are not many places on the Pacific Coast where troops could be landed. If any action is taken at all to strengthen our fortifications this port and the other ports of the Pacific will in all probability be put in condition to withstand a frontal attack of any hostile fleet. But there should be some provision made to prevent the landing of troops at any favorable spot and this could be done with comparatively small expense.

The landing of troops in any considerable numbers is not an easy matter. Yet the British and French landed an army of 250,000 at Gallipoli virtually in the face of the Turkish guns. Army engineers could easily map out and define emplacements for guns that would command any place suitable for an enemy to land troops. The emplacements could be prepared but the guns need not necessarily be mounted. All that would be necessary would be the construction of railroads necessary for carrying heavy guns to the emplacements; and these are in a great measure already constructed.

An enemy is not going to tell us what he intends to do. In the event of war the ground is usually spied out and prepared beforehand. No one knows where an enemy battleship may appear so there needs to be definite plans to meet possible emergencies.

We need a fleet to protect our coast and our shipping. There is no reason why the ships and armaments should not be constructed on this coast just the same as on the Atlantic; no reason why we should not have arsenals and ammunition plants and supply units here, where the coming world trade of the Pacific is centered. These are things that we must look after and take action upon.

New Device For Motion Pictures.

One of our local Architects has invented a useful device for motion picture projection for which patents have been applied. The following is a description:

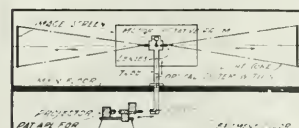
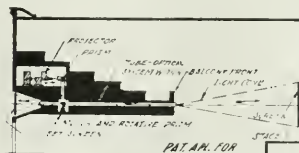
This invention relates to improvements in apparatus for the projection of motion pictures and consists of an optical device adapted to be disposed intermediate of the projector and the screen in such relation thereto that picture rays issuing from the projector may be directed into same and transmitted thereby to the picture screen and has for an object to allow of the picture rays being projected to the screen from a point at or nearly opposite the normal center of the screen, the axis of the rays being perpendicular to the plane of the screen and a picture free from distortion being the result. Another object of the invention is to allow of the projector

being remotely located in any obscure part of the building, as for instance in the hollow space below balcony floor of a theatre or in the basement or any other place where the danger of fire and panic may be eliminated. A further object of the invention is to allow of a plurality of representations of one and the same picture to be produced simultaneously on to screens in different directions while using only one film and one source of light.

To accomplish these objects of the invention the optical device is provided with reflective means for bending the rays, an optical system of lenses for successive refraction of the rays, projection lenses at the terminals of the device from whence the rays diverge freely as a light cone to the screen, reflective means are also provided for the erection and reversal of the image that the image appearing on the screen may be in proper correspondence to that on the film. The subsidiary pictures are produced by rotary reflective means i. e.—in the path of the light rays issuing from the projector is mounted a mechanically driven rotative prism, rotating at high speed in a plane perpendicular to the rays impinging upon it and in such manner that the rays in passing through a number of pictures in a film are subsequently diverted into different directions by impinging upon the hypotenuse surface of said rotative prism.

The rays projected against the hypotenuse surface of the rotative prism will be diverted out into one of the devices ramifying radically from the axis to the rotative prism at each revolution of the prism and owing to the great number of revolutions the effect will be the same as if the prism were held stationary and bore continuously in one direction only. The prism is preferably direct connected to a motor operating at approximately 1800 or more revolutions per minute.

In the illustration the upper picture shows the adaptation of the device to a theatre having a balcony. The rays projecting from balcony front to main screen and a smaller picture to street screen. The lower picture shows the adaptation of the device to a cafe, lobby or where the seating of the audience varies from an arrangement such as in a theatre, the plurality of pictures on the walls allowing a selective view by the observer in accordance with the direction he faces. The projector is shown in the basement, the optical device extending vertically into the hall above, the pictures being projected from a point sufficiently high to avoid interference by audience.



LEADS IN OIL.

LOS ANGELES—Shipments of California petroleum for the first half of 1916 have reached the record-breaking total of approximately 49,000,000 barrels, or 2,058,000,000 gallons. This exceeds the volume of oil marketed from this State during the first six months of 1915 by more than 5,500,000 barrels. This report places the quantity of oil marketed in the United States between January 1 and June 30 at approximately 140,000,000 barrels. It also places California in the lead, as amount of oil this year than any other single State in the Union. California's share was 35 per cent of the total.

MANGANESE DEPOSIT PROMISING.

HOLLISTER—A manganese deposit located by Alex Johnson in the range east of the Tres Pinos is showing up well under development work. A small ledge has been uncovered. Though still in the prospect stage, the deposit is said to have the best indications of any in the country. Two carloads will be shipped this week, this being the first ore shipment.

WATER SYSTEM PAYS.

GRASS VALLEY, Cal.—The semi-annual report of Mayor J. Hosking, covering the period from January 1 to July 1, 1916, has been issued. The receipts for the six months amounted to \$27,098.86, while the disbursements totaled \$21,124.99, leaving a balance of \$5,973.87.

The receipts from the municipal water system amounted to \$3,283.62, and \$4,244.77 was received from property taxes and \$2,260 from liquor licenses.

The cost of maintaining the water system for the six months was \$4,654.84. On the city streets \$1,444.92 was expended. The report shows the city finances to be in excellent shape.

STATEMENT BY JOHN FRANCIS NEYLAN, CHAIRMAN, STATE BOARD OF CONTROL.

Of all the ridiculous canards ever perpetrated in the name of politics the most recent assault on the State's financial integrity is probably the worst.

In 1914 a candidate for the office of Governor in opposition to Governor Johnson, tried to discredit the latter's administration by stretching the truth to the tune of \$29,000,000. In 1916 apparently we are to see all records broken because Johnson is a candidate for the United States senate. The latest, down-to-the-minute attack on Johnson is only false to the extent of \$140,000,000.

This is the simple method by which Governor Johnson's administration is to be discredited, and he is to be defeated for the office of United States Senator.

The State Controller recently issued a tabulation showing the receipts and expenditures during the fiscal year 1915 of all governmental units in California. The tabulation shows as follows:

Expenditures of State Government for all purposes, \$36,529,593.04.
Expenditures of City Governments for all purposes, \$69,922,592.41.
Expenditures of County Governments

for all purposes, \$69,970,436.88. Total for all governmental units in California, \$176,422,683.33.

Included in the cities are San Francisco, Los Angeles, Sacramento, Stockton, and all other incorporated cities in the States. Included in the counties are the entire fifty-eight counties of California. The total of city and county expenditures is approximately \$140,000,000 and Governor Johnson has no more to say about the levying or expenditure of five cents of that sum than Jim Jones or John Smith.

Included even in the \$56,000,000 State expenditures are the Highway Bonds, San Francisco Harbor Bonds and other fixed charges voted by the people before Johnson became Governor.

In spite of these facts, the latest political style is to write "Cost of California's State Government \$176,000,000."

If a member of the Industrial Workers of the World sent such a libel, broadcast every Chamber of Commerce in California would probably pass denunciatory resolutions.

STATE CORPORATION COMPANY.

Permits to issue shares of stock have been recently granted by the State Corporation Co. to the following companies, of interest to the building business:

The Hercules Construction Company, San Francisco, is permitted to issue 97 shares to S. B. Peterson in exchange for a contract for harbor front work.

Asbestos Producing Company of California is permitted to issue 385 shares to Paraffine Paint Company in exchange for property in Calaveras County and to sell 200 shares to John A. Voorhees and Paraffine Paint Company at par \$100 per shares, net to the company.

Miller Mountain Mining Company, a Nevada corporation, capitalized for \$1,000,000, operating claims in the Columbus District, Esmeralda County, Nev., is permitted to sell 100,000 shares of common stock at 20 cents per share to net the company not less than 16%, the proceeds to be used to construct a 3 mile pipe line for water supply, to install a mill and to continue development. Six hundred thousand shares issued in exchange for the property must first be deposited in escrow and it is also made a condition that pending the sale of the 100,000 shares in California the company shall not sell shares elsewhere except upon like terms. The company has previously sold 8000 shares of common at 5c, 8500 common at 10c and 3300 shares of preferred at \$1, giving a bonus of 33,000 shares of common with the preferred.

MERITED RECOGNITION.

In recognition of their services in preventing what might have been an accident, C. H. Ketchum, superintendent of the Stockton division of the Southern Pacific, has presented two gold watches to two boys, Frank Haffensperger, aged 11, and Clayton Shaeley, aged 12, of Livingston, Cal. The watches are engraved with their names and bear the legend: "Presented in recognition of his heroic act, June 4, 1916."

On that date, the irrigating canal of the Crocker-Hoffman Land and Water Company broke and the water rushed over the tracks near Arena. Seeing

the danger, the boys, in true railroad style, stationed themselves along the right of way, and flagged train 49 as it came along.

INCREASING USE OF HARDWOODS.

The general use of hardwoods in homebuilding is having a wonderful increase on the Pacific Coast. Hardwood for interior trim, floors, doors, etc., etc., is becoming more popular every day. The public is beginning to realize that hardwood is not a luxury but an economical investment, and the continual demand for hardwood is due, in no small part, to the concerted action of the Hardwood Dealers around the San Francisco Bay. They have all joined in fostering the use of hardwoods and have issued an interesting booklet entitled "A Treatise on Hardwoods for Interior Finish" which shows specific comparisons in cost of hardwood as against softwood, carpet, linoleum, etc. Hardwood proves the more economical.

The shipbuilding industry is on the crest of an enormous wave of activity. Wooden vessels are being built all along the coast, wherever facilities are available, and the demand for all hardwoods occasioned by this industry has brought about new conditions. Eastern oak timbers for rudder stocks, stern posts, etc., were almost entirely supplanted 15 or 20 years ago by Australian Ironbark, but the scarcity of bottoms to transport, and of Australian labor to get out the timber, has caused a corresponding decrease in the stocks of Australian Ironbark in this country, and American Oak has again come into the field and is now proving very successful. 16x18s and 18x20s, 30 to 40 feet long are obtainable in American Oak at the same price as Ironbark, and their delivery can be depended upon, which cannot be said of Australian woods. California Laurel, while not obtainable in such long timbers as Ironbark and American Oak, is used to a very great extent for friction surfaces.

The Hardwood Dealers have been forced to listen to such continual and general complaint as to the poor qualities of Japanese Oak when made up into flooring or trim, that many of them are declining responsibility for the wearing qualities of Japanese Oak flooring or interior finish. This wood being soft and brashy cannot be expected to hold up like the genuine American Oak.

The use of California Laurel for bridge planking is becoming quite general. The planking on Webster Street Bridge, between Oakland and Alameda, which was the first instance of Laurel being used for this purpose, was laid several years ago and shows practically no signs of wear. This is also the case with the Petaluma drawbridge, and the Fourth Street bridge over the San Francisco Channel. The economy of Laurel for this purpose is indisputable.

American Walnut is coming back into fashion for furniture and interior trim and Southern Red Gum (known sometimes as Satin Walnut) is having an enormous call on the Pacific Coast. As a suggestion for a harder and higher class cabinet wood than Southern Red Gum, and a lower priced wood than American Walnut, Genezero or Jenisero presents itself.

WHITE BROTHERS.

GOVERNMENT PUBLICATIONS FOR SALE.

The following were among the publications received in stock for sale by the Superintendent of Documents at Washington during the week ended July 1, 1916:

Strength and Other Properties of Concretes as Affected by Materials and Methods of Preparation (Standard Bureau of Technologic Paper 58),—Tabulated and descriptive text, detailing the scope and results of tests of mortars and concretes by physicists of the Bureau of Standards. Price, 35 cents.

Pittsburgh dispatches say United States government is making inquiries of producers to see what quantity of barb wire and staples could be obtained on rush order. Unless material now being made for Europe is drawn upon, our country cannot get a ton before January, 1917.

THE F. W. D. TRUCKS.

One of the most recent demonstrations of the successful operation of motor trucks over what have been heretofore considered almost impassable roads and one that has been attracting widespread attention from hauling contractors and trucking concerns in the northern part of the State especially, is the surprising work of the celebrated line of Four Wheel Drive trucks now operating on the Hetch Hetchy roads near Chinese Camp, California.

These trucks are hauling from three to four tons of rock, gravel and cement over mountain trails and over some of the famous "Near Roads" that abound in that section. These trucks furnishing power equally to all four wheels driving through full floating axles, are made by the Four Wheel Drive Auto Co. of Clintonville, Wisconsin, and while they are to most people comparatively new on the Coast here, they are very well known in the East, having been sold there quite extensively during the past seven years. In addition to being the first and foremost automobile concern in the country to have been successful in building a line of motor trucks that apply equal power to all four wheels, using full floating axles, this firm has established an enviable record in that every truck they have ever built is still operating today. This fact is a direct refutation of the statement and claim made by many trucking concerns up to within the last two or three years that the expense of upkeep and repair on the heavier motor trucks are so excessively high and the life of a truck so short as to prohibit their general use under the most strenuous working conditions.

The many additional F. W. D. trucks that are being placed on this difficult haul are convincing proof of the dependability and high quality of service they furnish to owners. The Four Wheel Drive Truck Co. with offices and salesrooms at 343 Golden Gate Ave., San Francisco, Mr. J. E. Perkins General Manager, are distributors for FWD trucks on the Coast. Branch offices are located in Santa Rosa, Bakersfield, Fresno, and Los Angeles.

A Well Merited Tribute

The following voluntary letter from the Secretary and Cashier of the Sacramento Valley Bank and Trust Co., to the Hermann Safe Co. of this city, is well worth reading.

It speaks in the highest terms of the vault and safe work done by the Hermann Safe Co. for this bank.

The Secretary acknowledges that at first he favored an Eastern manufacturer, but is now more than delighted over the result.

SACRAMENTO VALLEY BANK
AND TRUST CO.

Capital Paid Up, \$600,000.00
Sacramento, Cal., July 17, 1916.
The Hermann Safe Co.,
San Francisco, Cal.,
Gentlemen:—

Now that the vault and safe work installed by you in our new banking premises is complete, we wish to voluntarily express our very great satisfaction with the result. The work was done promptly, without quibble or misunderstanding of any kind. Despite the great weight of the doors, they are as nicely adjusted as a fine watch and as handsome as gold-bronze and nickel plate can make them.

As you know, the writer favored placing the order with an Eastern manufacturer. That would have been a mistake. We know now, that there would have been weeks of delay and the result could not possibly have been better.

Wishing you the business success which you seem to so well deserve we are,

Very truly yours,
WILLIAM SKEELS,
Secretary and Cashier.

A visit to the new salesroom and shop of the Hermann Safe Co. at 216-224 Fremont St., is well worth while.

A complete line of safes and vaults, from the smallest to the largest made anywhere, will be found on display. All made in their own shop, which by the way, is a model shop for light and ventilation.

Architects and owners make no mistake in dealing with the Hermann Safe Company.

MAY EXPORTS BREAK ALL RECORDS.

American exports for May reached a total of \$472,000,000, which exceeds all

previous monthly records. It is greater by \$61,000,000 than the high record for March. It is \$300,000,000 more than the monthly May average from 1911 to 1914. The total exports for the year ended with May were \$1,136,000,000, an increase of \$1,500,000,000 over the preceding 12 months and double the total for the year ended with May, 1911. The exports for May were \$80,000,000 more than the total for the fiscal year 1870.

The imports for May were also the greatest on record, the total value being \$229,000,000, an increase of \$11,000,000 over April, the previous high mark. This total exceeds the monthly May average from 1911 to 1914 by \$82,000,000. For the year ending with May imports totaled \$2,110,000,000, an increase of \$436,000,000 over the preceding year and \$242,000,000 over the corresponding period two years ago. The combined value of imports and exports in the 12 months just ended was \$6,246,000,000, a growth of \$1,916,000,000 in a single year.

Of the May imports, 65.7 per cent entered free of duty, compared with 60 per cent in May, 1915. The favorable balance of trade in the month and 12 months ending with May was the largest ever known. For May it was \$243,000,000 and for the year ending with May, \$2,026,000,000. Corresponding figures for last year were \$132,000,000 for May and \$983,000,000 for the 12 months.

May showed a net inward gold movement of over \$15,000,000, thus reversing the conditions shown in the preceding three months. Imports of gold in May aggregated \$27,000,000, compared with gold exports of \$12,000,000; and gold imports in the 12 months to May 31 amounted to \$424,000,000, as against gold exports of \$85,000,000, a net inward movement for the year of \$339,000,000. Last year gave a net inward gold movement of \$68,000,000, while two years ago there was a net outward gold movement of nearly \$2,000,000.

THE IMMENSE COST OF THE CANAL SLIDE.

The slide in the Gaillard cut in the Panama canal cost the government over \$4,000,000. The cost of excavation, plus the regular cost of operation and maintenance, was \$594,393 a month, and the canal was closed six months and twenty-seven days. The canal was just beginning to pay its monthly expenses when the slide came. In July the tolls exceeded the ex-

penses \$117,570. During the six months from October 1st to April 1st while the excavating was being done there was taken in tolls \$12,733, in March, when the dredging had been sufficient to allow a few small boats to pass. The expenses while the dredging was going on follows: October, \$546,760; November, \$643,945; December, \$580,254; January, \$595,713; February, \$609,254; March, \$590,435. The total for the six months, from October 1st to April 1st was \$3,566,561. To this is to be added the work done in the twelve days of September and the fifteen days in April, when the canal was again opened. The loss in the account for the fiscal year ending April 1st amounted to \$3,648,812. The loss the year previous was \$179,826.

NEW TRADE DIRECTORY FOR CARACAS.

A supplemental trade directory for the city of Caracas, Venezuela, has been prepared by the Bureau of Foreign and Domestic Commerce, from data furnished by Consul Homer Brett, at La Guaira. Commercial conditions have undergone changes during the past two years, and although a list of business men was printed in the supplement of the Trade Directory of the Trade Directory of South America, the present compilation is more complete and is brought up to the present time. Copies may be obtained upon application to the Bureau of Foreign and Domestic Commerce, Customhouse, San Francisco. Refer to file No. 68987.

FERRY COMPANY GIVEN PERMIT FOR BUILDING.

VALLEJO (Solano Co.)—As a result of an agreement reached between the Association of Mare Island Employees, which operates the ferry boats Vallejo and Ellen between this city and Mare Island, and the City of Vallejo, the ferry boat concern is to be permitted to erect a \$15,000 ferry building at the foot of Georgia Street, and in addition the city is to receive \$75 monthly for a period of three years, the first payment to be made on July 1, 1916.

As Columbus said, "This day we sailed on." America has been glorious with opportunities, and you are one in the race to win a prize. It is for you, if today is up and on.

Cut this out and mail to-day

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News

560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____

Street and No. _____

City _____

State _____



10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 30

Publication Office,
560 Mission St.

San Francisco, Cal., August 2, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best in the World

Sure to Close Your Doors
Without Slamming

Strictly An Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size of door either
Right or Left Hand, without change

In ordering, give size of Door; also projection of Casing (if any)
over door, when Bracket will be sent to fit.

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member

Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2807
Oakland, Oakland 8841

THE

Safe Deposit Vaults

of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

bet. Cough and Octavia

SAN FRANCISCO, CAL.

Most home builders welcome Konveno



Konveno is the ideal closet for the small bathroom. It is more than a closet—it is so constructed that it can be used as a convenient shelf upon which to stand the toilet articles that are constantly in use. Konveno is made in three sizes—wash-down, reverse trap and syphon jet. Its convenience appeals to most home builders.

Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.

"Pacific"



Plumbing Fixtures

Main offices,
67 NEW MONTGOMERY ST.
SAN FRANCISCO

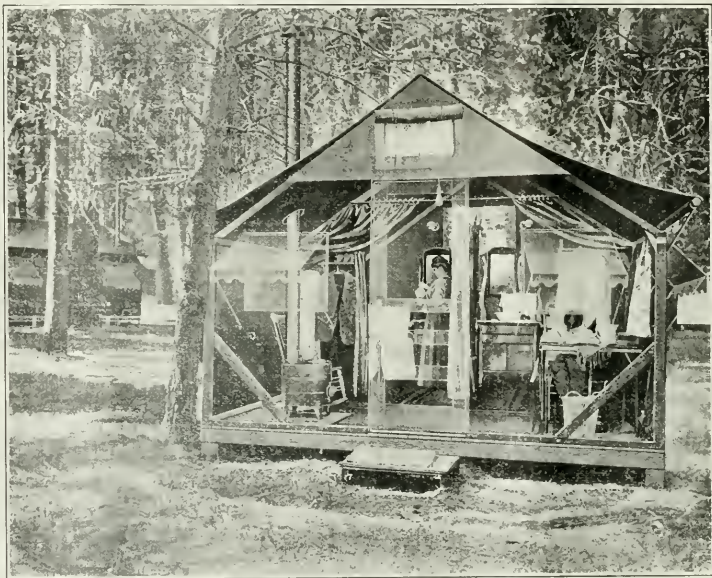
Factories,
RICHMOND,
CALIFORNIA

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

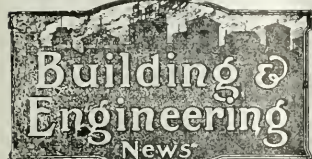
Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, August 2, 1916

Sixteenth Year, No. 30



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor,
W. D. Manville, News Editor,
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00. Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
360 Mission Street,
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	
Apartment Houses	4
Bonds	4
Bridges, Dams and Harbor Work	4-5
Editorial Comment	3
Factories and Warehouses	5
Fire Houses and Jails	6
Flats	5
Fresno, Modesto, Stanislaus and Central California	23-24
Garages	5
Government Work and Supplies	5-6
Halls and Society Buildings	6
Hospitals	6
Hotels	6
Irrigation and Reclamation Projects	6
Los Angeles and Southern California	26-27
Marin, Contra Costa and Sonoma Counties	22-23
Oakland and Alameda County	18-19-20-21-22
Portland and Oregon	27
Power Plants and Water Systems	6
Residences	6-7
Sacramento, Stockton and Northern California	24-25
San Francisco	11-12-13
San Jose and the Santa Clara Valley	14-15-16-17-18
Schools	27
Sealed Proposals	9-10
Seattle and Washington	27
Sewers and Street Work	18-19
Stores and Offices	9
Theatres	9

The Preparedness Parade of San Francisco has passed into history. And it was a success. Considering the fact that it was held on a hot day, in the vacation time, and was the spontaneous expression of independent citizens who had nothing personal whatever to gain, it was an evidence that some of the patriotism of our fathers still remains.

Its need has been demonstrated in all too tragical a manner. Those who took no interest in the matter, who were inclined to view it as unimportant and uncalled for, as an hysterical expression of people who were encountered with no present danger, will perhaps, sit up and take notice, especially if some one near and dear to them was murdered by the cowardly assassin who snuffed out the lives of innocent people for daring to witness a patriotic demonstration in their own country.

No more dastardly crime has ever been recorded. The mind that conceived it must have emanated from Hell itself. Such a criminal would deserve the highest consideration of Fremont Older, of the Bulletin, and would give him ample opportunity to use the pages of that paper to show how society had wronged the poor deluded individual.

What is this country coming to?

Is it not time that self-respecting citizens took some concerted action? Are we all to be terrorized by the Hyphenated Americans and I. W. W's? Are the Trade Unionist leaders going to dictate to us whether or not we will salute the Stars and Stripes or trample them under foot?

Read the Bulletin for the past week. Read the last issue of Organized Labor. Then read the account of the crime in Stewart Street. Look up the record of Olaf Tveitmo, the editor of Organized Labor, and of Fremont Older of the Bulletin and form your own conclusions.

Surely out of the vast body of Trade Unionists in this city there are a great majority of sufficient intelligence to appreciate the liberties they enjoy; who realize that our forefathers have left us a priceless legacy in a free country; that the responsibility is upon us all alike to preserve and defend it, and that capital and labor must in such things make common cause.

There was no demand for arraying class against class in matters such as this. No person who had the interest of his country at heart would do it. And the motive of those labor leaders and other citizens who endeavored to prevent any patriotic demonstration on the part of the citizens of this city are to be judged by the developments that will follow. It is high time that the silent citizen assert himself and come forward and take a hand in the affairs of his City, State, and Country.

The parade was a splendid tribute to the people who took part in the demonstration. No people outside of soldiers

in actual battle have been subjected to a more trying ordeal. Yet so perfect was the order, that three minutes after the deadly bomb had murdered and mangled scores of innocent men, women, and little children, the parade moved on in absolute order. What a splendid tribute to those in line. Especially to the women of the Auxiliary Corps of the Spanish War Veterans. The explosion occurred immediately in front of them. All of them were unaccustomed to the sight of blood and scenes of horror. Yet they held themselves together, witnessing their immediate companions struck down and mutilated, marched over the pavement slippery with blood, and remained in perfect order. Let those who decried the event reflect upon these facts.

Time will perhaps tell whether or not this dastardly crime was committed by Hyphenated Americans, I. W. W's, anarchists or other persons. At any event it was a most deadly weapon conceived in the mind of an infinitely malevolent person, and not the creation of a demented fool. There should be no stone left unturned by City, State, Nation or citizens to run the guilty ones to earth. And there should be a strict surveillance of those who by counsel and advice have inspired such crimes.

Order is heaven's first law. Orderly self-government is the highest achievement of society. Those who oppose it are necessarily criminals. And it is the duty of all citizens who believe that governments are instituted among men to establish and guarantee to every man the right to life, liberty, and the pursuit of happiness, to come forward and see that no man or band of outlaws destroy those rights. And these are not people to preach sermons to. It is a case for organized action. We can not bring back the innocent lives that were snuffed out. We can not restore the mangled forms and make whole the maimed. But we can make this city too hot for a lot of criminals to live in, we can establish more even-handed justice, and silence to some extent a lot of these blatant demagogues and make this city a fairer place to live.

GRAPHITE PRODUCTION.

The annual statement of the Geological Survey on graphite in 1915 is now available for distribution. According to this report, 4,718 short tons of natural graphite, valued at \$129,631, was sold during the year.

REPORT ON FELDSPAR.

The annual statement of the Geological Survey on feldspar in 1915 is now available for distribution. During the year 113,769 short tons of feldspar, having a market value of \$629,356, was sold.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house alterations, 3 story and base, frame, \$20,000. Architect, W. G. Hind, 46 Kearny street, S. F. Owners, Luchinger Estate. Location, Golden Gate near Octavia. Cameron & Disston, Hearst Bldg., will probably be in charge of this work, which consists of repairing fire damage.

SAN FRANCISCO—Apartment house alterations and additions, 2 story, frame. Cost not stated. Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner's name withheld. Location, 16th street near Mission. Will contain four apartments of four rooms. Plans complete and figures being taken.

BONDS

MODESTO, STANISLAUS CO., CAL.—County Engineer E. H. Annear has been instructed by the Supervisors to prepare his final estimate of cost on the system of highways planned under the proposed bond issue. The amount of the issue is not to exceed \$1,482,834.72. The proposed system of highways as planned will be approximately 125 miles in length.

TERRA BELLA, TULARE CO., CAL.—Saturday, August 12th, is the date set by the directors of the Terra Bella Irrigation District to vote bonds of \$1,000,000 for the construction of the proposed irrigation district as planned by Chief Engineer Stephen E. Kieffer of San Francisco, and which plans have been approved by the State Engineering Board.

YREKA, SISKIYOU CO., CAL.—The City Trustees have sold the bonds of \$12,500 for the widening of Fourth street and for the erection of a new city hall.

SAN RAFAEL, MARIN CO., CAL.—The Elk's Lodge of this city is planning the erection of a new lodge building to cost \$15,000. A building committee has been appointed and an early decision is looked for.

HAYWARD, ALAMEDA CO., CAL.—An electrolux lighting system is being considered by the City Trustees following an investigation by the Chamber of Commerce on the street lighting in other cities.

WASHINGTON, YOLO CO., CAL.—The present school building being overcrowded, the trustees will probably call an election to vote bonds of \$30,000 for the erection of a fireproof building containing six rooms.

SUNNYVALE, SANTA CLARA CO., CAL.—The proposition to vote bonds of \$10,000 for street improvements failed to carry at an election held last week.

HAYWARD, ALAMEDA CO., CAL.—The Trustees of the Hayward School District will ask the County Supervisors for a special tax rate on property owners of its school district, for the purpose of raising funds amounting to \$10,000 for the addition of rooms to the present building.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The Board of Supervisors is considering a bond issue for the construction of a new grade over the San Marcos, a road from Solvang to the sea, and a road to the Cuyama. The Los Alamos district has unofficially voted to support a \$650,000 bond issue.

LONG BEACH, LOS ANGELES CO., CAL.—An election will be held some time early in September for the purpose of voting on a joint bond issue, involving \$850,000. Of this sum \$300,000 is to be used for the development and expansion of an inside passage to the Long Beach harbor connecting with Los Angeles harbor; \$500,000 for the construction of a horseshoe pier, spanning American and Pine avenues; and \$50,000 for the erection and maintenance of a city hospital on a city owned site.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—The bond issue, amounting to \$151,000, was defeated at the election held July 25. The majority of the items were intended for bridge construction, trestles, levees, paving and construction and repairs, and general storm damage repairs. One proposition for \$12,000 for a steel girder bridge over Warm Creek at Third street, received a numerical majority, but lacked the necessary two-thirds.

LOS ANGELES, CAL.—Because the boundaries of the district were not correctly described it will be necessary to call another election to vote bonds of \$300,000 to be expended in the acquisition of aqueduct water for the San Fernando Mission Water District in the San Fernando Valley.

EL CENTRO, IMPERIAL CO., CAL.—Bonds of \$12,00 have been voted to finance the completion of the Wilson school building.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Proceedings have been started to call another bond election for the improvement of county roads. The committee, of which James Sloan is chairman, recommends the improvement of the following roads: San Marcos road from the State highway at Goleta through Santa Ynez and Los Olivos to Zaca Station; the highway from Lompoc through Solvang to Santa Ynez; the Cuyama road from Santa Maria to the Kern County line.

SAN LEANDRO, ALAMEDA CO., CAL.—Bids are being taken by the County Supervisors for the purchase of the \$25,000 bond issue of the San Leandro School District, for which, when sold, will finance the construction of a new school building.

BRIDGES, DAMS AND HARBOR WORK

SAN FRANCISCO—Wharf repairs, reinforced concrete \$8,780. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. O. J. Crossfield, 103 Main street, presented the low figure

for additions to the wharf at Fort Baker. A complete list of the bids appears under the heading of San Francisco in this issue.

SAN ANDREAS, CALAVERAS CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, San Andreas. Owners, Calaveras County. Bids will be opened on August 14th at 2 p. m. for furnishing all material and labor for the construction complete of a reinforced concrete bridge over the North Fork of the Calaveras River on the line of the State Highway between the towns of San Andreas and Valley Springs in Calaveras County, Cal., about two miles below the town of San Andreas and about three-quarters of a mile down stream from the present wooden bridge.

RED BLUFF, TEHAMA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Plans and specifications having been approved for the construction of a wooden bridge over Mill Creek in Road District No. 4, the Clerk of the County Supervisors was instructed to advertise for bids for its construction up to August 8th at 10 a. m. Plans may be had from the County Clerk.

SANTA BARBARA CO., CAL.—Bridge, steel and reinforced concrete. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on August 21st at 2 p. m. for constructing a steel and timber bridge with earth fill approaches. Five steel spans each 162 feet. Timber trestle.

FAIRFIELD, SOLANO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Fairfield. Owners, Solano County. Bids will be opened on August 7th at 11 a. m. for the construction of a 40-foot reinforced concrete bridge across Alamo Creek on road No. 125, at the Northeast and Keithly ranches, about one mile east of Elmira, Road District No. 5.

VENTURA, VENTURA CO., CAL.—Bridge, timber. Cost not stated. Engineer, County Surveyor, Ventura. Owners, Ventura County. Bids will be received by the Board of Supervisors up to 2 p. m. of September 8, 1916, for the construction of Aliso Canyon bridge near Fitzpatrick's place on the Willoughby road. The work consists of one timber bridge 64 feet long, and involves the following approximate quantities: 9,500 feet, B. M., Oregon pine lumber; 6,700 feet, B. M., redwood timber, 1,450 pounds steel and iron; 115 cubic yards earth fill; 176 linear feet guard fence.

Contracts Awarded.

PLACERVILLE, EL DORADO CO., CAL.—Bridge, reinforced concrete, \$9,830. Engineer, County Surveyor, Placerville. Owners, El Dorado County. Contractors, Jenkins & Wells, 3550 Y street, Sacramento. Contract price, \$9,820.

LINCOLN, PLACER CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Auburn. Owners, Placer County. Contractor, M. Blumenkranz, Sacramento. Contract price not stated.

BAKERSFIELD, KERN CO., CAL.—Bridge, reinforced concrete, \$2,185. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractor, S. G. Smartt, Bakersfield. Contract price, \$2,185.

RIVERSIDE, RIVERSIDE CO., CAL.—Bridge, steel reconstruction, \$9,500. Engineer, County Surveyor, Riverside. Owners, Riverside County. Contractors, Mercereau Bridge and Construction Co., Pacific Electric Bldg., L. A. Contract price, \$9,500.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Factory and warehouse, 4 story, mill construction, \$100,000. Architect, Henry Shermund, Mills Bldg., S. F. Owner, C. R. Petersen. Location, 15th, Vermont and San Bruno, covering an area of 100 by 200 feet. One-half of building to be occupied by Pioneer Soap Co. Special machinery. Plans complete and figures being taken.

OAKLAND, CAL.—Warehouse, 1 story, frame, \$1,800. Architect, none. Owners, Barbon Chemical Co., southeast 50th avenue and East 9th street. Location, 50th avenue and East 9th street. Plans complete and work to be done by Day Labor.

WEST BERKELEY, ALAMEDA CO., CAL.—Shop and garage, 1 story, brick and steel. Cost not stated. Architect, City Architect, W. J. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Location, Corporation Yards. All bids received for this work have been rejected and revised plans are to be prepared. The City Council has decided to do away with all horses and plans will be revised so as to eliminate the stable.

OAKLAND, CAL.—Mill building, 2 story, frame and concrete, \$10,000. Architect, none. Owners, National Mill and Lumber Co., 5th and Bryant Sts., S. F. Location, north Tidal Canal east of High street. Plans complete and work to be done by Day Labor.

SEATTLE, WASH.—Factory, 4 story and base, reinforced concrete. Cost not stated. Architect, N. M. Loney, 120 Broadway, New York. Owners, American Can Co. Location, Elliott avenue between Clay and Cedar, covering an area of 239 by 120 feet. Also two-story warehouse dock 301 by 69 feet. Plans complete and figures being taken.

SAN FRANCISCO—Factory, 2 story and base, reinforced concrete. Cost not stated. Architect, August G. Headman, Call-Post Bldg., S. F. Owner, J. Allee Cleaning and Dyeing Works. Bids for the glass and glazing are in and a contract is to be awarded at once. Bids are now being taken for the sheet metal work, ornamental iron, plastering and carpentry work. Scott Co. has been awarded the contract for heating and ventilating at \$1,780.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, James H. Conner, 678 10th avenue, S. F. Location, south Cabrillo west of 11th avenue. Will contain two

flats of five and six rooms. Plans complete and work by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,400. Architect, none. Owner, John P. Haner, 3580 20th street, S. F. Location, west 5th avenue north Clement. Will contain two flats. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$1,000. Architect, none. Owner, J. C. Kirby, 2152 Market street, S. F. Location, west 9th avenue south of Balboa. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

GARAGES

SAN FRANCISCO—Garage, 1 story and base, brick and steel, \$20,000. Architect, August G. Headman, Call-Post Bldg., S. F. Owner, G. H. Umbsen. Location, south Sutter between Mason and Taylor streets, covering an area of 73 by 137½ feet. Designed for a commercial garage. Plans being prepared.

SAN FRANCISCO—Garage, 1 story brick. Cost not stated. Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner's name withheld. Location, O'Farrell near Leavenworth. Designed for a private garage. Plans being prepared.

GOVERNMENT WORK & SUPPLIES

Vancouver, Wash., Post Office.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for the construction, complete, of the U. S. post office at Vancouver, Wash.:

Campbell Building Co., Salt Lake City, Utah, limestone, \$82,787; sandstone, \$82,487.

Welch Bros. & Hannamann, Kalispell, Mont., limestone, \$91,817; sandstone, \$91,547.

Pearson Construction Co., Seattle, Wash., limestone, \$109,679; sandstone, \$107,177.

Friberg-McLenan Co., Portland, Ore., limestone, \$96,800; sandstone, \$96,700.

Grant Pee, San Francisco, Cal., limestone, \$89,800; sandstone, \$93,000.

George Isackson, Portland, Ore., limestone, \$93,900; sandstone, \$92,520.

Fred Erickson, Salem, Ore., limestone, \$103,753; sandstone, \$101,177.

Boyojohn-Arnold Co., Portland, Ore., limestone, \$103,750; sandstone, \$99,750.

Harrington - Peters Co., Seattle, Wash., sandstone, \$104,000.

John Wallin, Tacoma, Wash., limestone, \$84,465; sandstone, \$84,286.

Wm. H. Maxwell, Lakeside, Wash., limestone, \$109,800; sandstone, \$110,200.

Hans Pedersen, Seattle, Wash., limestone, \$94,665.60; sandstone, \$92,860.

Sound Construction and Engineering Co., Seattle, Wash., limestone, \$88,663; sandstone, \$88,360.

Henrickson & Co., Seattle, Wash., limestone, \$92,637; sandstone, \$92,630.

Le Doux & Le Doux, Portland, Ore., limestone, \$95,000; sandstone, \$94,800.

Bilo, H. T., Lighting Fixtures.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing lighting fixtures in the U. S. public buildings at Bilo, H. T.:

Reading Chandelier Works, Reading, Pa., \$3,245; time January 1, 1917.

Reardslee Chandelier Mfg. Co., Chicago, Ill., \$3,531.80; time not stated.

The Roberts Mfg. Co., San Francisco, Cal., \$3,867; December 1.

Gas Fixture & Brass Co., Cleveland, Ohio, \$3,997; December 1.

Thomas Day Co., San Francisco, Cal., \$4,330; November 30.

P. Storsberg Co., Newark N. J., \$4,186.75; December 1.

Horn & Brannan Mfg. Co., Philadelphia Pa., \$4,997.50; December 1.

Tiffany Studios, 347 Madison avenue, New York City, \$6,011; December 1.

Pearl Harbor, Track Seals.

The bid of the Fairbanks Co., 416 Broome street, New York City, \$3,400 in amount, has been accepted for furnishing a track seal for the naval station, Pearl Harbor, Hawaii.

San Francisco, Cal., Boilers.

The contract for installing two new boilers, etc., in the U. S. marine hospital at San Francisco, Cal., has been awarded to P. P. Walsh, San Francisco, Cal., at \$11,475; time 140 days.

San Francisco, Cal., Hepatix, Etc.

The contract for repairs and miscellaneous alterations in the U. S. marine hospital at San Francisco, Cal., has been awarded to C. A. Ingerson at \$1,895.

Umatilla Feed Canal.

Contract has been awarded under authority of the Secretary of the Interior to the Newport Land and Construction Co., of Hermiston, Ore., for the enlargement of the storage feed canal, Umatilla project, Ore. The contract price is \$32,251. The work consists of widening about 20 miles of canal and involves the excavation of about 168,000 yards of material and the placing of about 370 cubic yards of concrete.

Division Laterals.

Contract has been awarded under authority of the Secretary of the Interior to the Reynolds-Ely Construction Co., of Springfield, Utah, for the construction of division 10 laterals, High Line Canal, Strawberry Valley project, Utah. The contract price is \$130,316. The work involves about 70,000 cubic yards of canal excavation, 11,000 cubic yards of rolled embankment, 3,500 cubic yards of excavation for structures, 1,500 cubic yards of reinforced concrete, and 700.00 square feet of canal lining. The work is located near Payson, Utah, on the Tintic branch of the Denver and Rio Grande Railroad.

Tacoma, Wash., Alterations.

The following bids were received by the custodian, U. S. public building, Tacoma, Wash., recently for alterations in money-order, registry, and cashier's offices in the above building:

Tacoma Cabinet Works, Tacoma, Wash., \$1,110; 30 days.

Western Iron & Wire Works, Tacoma, Wash., \$1,390; 60 days.

Vancouver, Wash., Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for furnishing plaster models for the U. S. post office at Vancouver, Wash.:

C. W. Buhler, Washington, D. C., \$198.

J. Brys & F. Bruyninck Co., Washington, D. C., \$199.
 Frederick-Higgins Co., Washington, D. C., \$241.
 Lomhard & Ludwig, Washington, D. C., \$251.

MARE ISLAND, CAL.—The Bureau of Yards and Docks has approved plans and specifications for the Krupp type of machine shop to be erected at Mare Island, according to word received by officials there. The plans call for a building over 60 feet high and will be equipped with two 80-ton and two 15-ton traveling cranes. The structure will be an addition to the present shop building known as No. 1 and will cost in the neighborhood of \$81,000. This amount is available.

HALLS AND SOCIETY BUILDINGS.

SACRAMENTO, CAL.—Lodge hall and stores, 4 story and base, reinforced concrete, \$150,000. Architect, Washington J. Miller, 417 Market street, S. F. Owners, Sacramento Parlor Native Sons. Location, 11th and J streets, covering an area of 160 by 100 feet. Stores on first floor, auditorium and lodge rooms on second and third floors and offices on fourth floor. Plans complete and figures being taken from selected contractors.

HOSPITALS

NAPA, NAPA CO., CAL.—Hospital cottage, 1 story, frame and concrete, \$12,840. Architect, State Architect George B. McDougall. Sacramento. Owners, State of California. L. G. Bergen & Son, Call-Pest Bldg., S. F., submitted the lowest figure for this work and will be awarded the contract. A complete list of the bids received will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

LOS ANGELES, CAL.—Hospital service building, 5 story and base. Class A construction, \$54,745. Architect, John Schultz, Wright and Callender Bldg., L. A. Owners, Los Angeles County. The Los Angeles Planing Mill Co., 1812 Industrial street, L. A., submitted the lowest bid for this work and will probably be awarded the contract.

Contracts Awarded

SAN FRANCISCO—Emergency hospital, 2 story and base. Class A construction, \$78,140. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. Contractors, Anderson & Ringrose, 326 Market street, S. F., general construction only. Contract price, \$78,140.

HOTELS

VISALIA, TULARE CO., CAL.—Hotel and stores, 4 story and base. Class A construction. Cost not stated. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owner, J. Sub Johnson. Location, Main and Church streets, covering an area of 115 by 100 feet. Will contain stores on first floor and a total of 120 rooms. Plans ready for figures in two weeks.

GIANT, CONTRA COSTA CO., CAL.—Hotel, 3 story and base, frame. Cost not stated. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland.

Owner's name withheld. Will contain lobby and fifty rooms. Plans being prepared.

IRRIGATION PROJECTS

LINDSAY, TULARE CO., CAL.—Irrigation project, \$1,200,000. Engineer, Stephen E. Kieffer, 57 Post street, S. F. Owners, Lindsay-Strathmore Irrigation District. Bids will be opened on August 14th at noon for the construction of irrigation works for the Lindsay-Strathmore Irrigation District. The work to be done embraces the construction of 37 wells and well pumping plants, 9 miles of banded wood stave pipe, 3 1/4 miles of 60-inch reinforced concrete pipe or 6 1/2 miles of 48-inch continuous stave redwood pipe, 12 miles of concrete lined ditch, 85 miles riveted steel pressure pipe or reinforced concrete pipe and two high-head pumping plants, with an aggregate of 2,250 H. P. motors direct connected to centrifugal pumps. The maximum time allowed for the completion of the entire work is June 1, 1917.

FIRE HOUSES AND JAILS

VISALIA, TULARE CO., CAL.—Jail, 1 story and base. Class A construction. Cost not stated. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Tulare County. Will cover an area of 30 by 75 feet with a wing 40 by 30 feet. Plans being prepared.

BAKERSFIELD, KERN CO., CAL.—Jail cells, etc. Cost not stated. Architect, none. Owners, Kern County. Bids will be opened on August 10th for jail cells and special jail equipment.

POWER IMPROVEMENTS

RAY, ARIZONA—Concentrator, \$300,000. Engineer's name not stated. Owners, Ray Hercules Co. Plans are being completed for the 1,000-ton concentrator to be built at Ray Junction (Kelvin) on the Arizona Eastern Railway, seven miles below Ray, by the Ray Hercules Company. The structure will be built to accommodate a second unit, which will be started shortly after the first is completed.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, F. Nelson, 2701 Lincoln Way, S. F. Location, northwest Portola Drive and 15th avenue. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,500. Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner, Herbert Hellwig. Location, St. Francis Wood. Will contain eight rooms, two baths and basement garage. Plans complete and figures being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$10,000. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owner, Philip Kohn. Location, 10th avenue near Clement. Will contain ten rooms, two baths and basement garage. Plans being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,500. Architect, Albert Lapachet, 110 Sutter street, S.

F. Owner's name withheld. Location, Park Side. Will contain six rooms and bath. Plans being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,550. Architect, none. Owner, H. C. Pfirang, 320 Forest Oakland. Location, west Glen View south of Warfield. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, S. Carlton, 2023 69th avenue, Oakland. Location, south Weld east of 69th avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 3, 2 story and base, frame, \$3,000 each. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, R. A. McWilliams. Location, Excelsior Heights. Each house will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,400. Architect, none. Owner, A. R. West, 1815 San Pablo avenue, Oakland. Location, southwest 39th and Market streets. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Owners, Wieder and Goldstein, 703 Castro street, Oakland. Location, east Peralta north of Main. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Louis O. Hanson, 1128 The Alameda. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SARATOGA, SANTA CLARA CO., CAL.—Residence, 2 story and base, reinforced concrete, \$60,000. Architect, Willis Polk, Hobart Bldg., S. F. Owner, Charles D. Blaney. Designed for a country home and will contain fourteen rooms, several baths and sleeping porches. A number of out-buildings, stables and garage will also be erected. Plans being prepared.

MT. DIABLO, CONTRA COSTA CO., CAL.—Residences, 5, 1 story and base, frame, \$2,000 to \$2,500. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner's name withheld. Each house will contain five rooms, bath and sleeping porch. Plans being prepared and when complete work will be done by Day Labor.

GIANT, CONTRA COSTA CO., CAL.—Residences, 5, 1 story and base, frame, \$2,000 each. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner's name withheld. Each house will contain five rooms, bath and sleeping porch. Plans being prepared and when complete work to be done by Day Labor.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, W. D. McKay. Location, Maple Park. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PASADENA, LOS ANGELES CO., CAL.—Residence, 2 and 3 story and base, reinforced concrete, \$300,000. Architect, Bertram G. Goodhue, 2 West 47th street, New York. Owner, John N. Willys, Detroit, Mich. Plans being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Mary Francis Rampe, 1323 Hyde street, S. F. Location, east 46th avenue north of Anza. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 and 4 story, brick and frame, \$45,000. Architect, Louis M. Upton, 111 Ellis St., S. F. Owner, J. J. Tynan. Location, southeast Lyon and Valjejo. Will contain 22 rooms, 5 baths and conservatory. Separate garage. Plans complete and nearly ready for figures.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$2,000. Architect, none. Owner, P. W. Montrouil, 270 Andover street, S. F. Location, west Mississippi south of 20th. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, B. F. Butler, 333 49th street, Oakland. Location, west Grant south of Delaware. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, C. H. Moore. Location, north Beck west of 73rd. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, P. S. Walsh, 623 44th street, Oakland. Location, south 18th street east of Telegraph. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence park improvements. Cost not stated. Architect, Louis M. Upton, 111 Ellis St., S. F. Owners, J. J. Tynan and William A. McGee. Location, Lyon between Broadway and Valjejo. Work will consist of concrete bulkhead, balustrades and formal gardens. Plans complete and figures being taken.

SCHOOLS

VISALIA, TULARE CO., CAL.—School, 1 story, brick and frame. Cost not stated. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, City of Visalia. Will contain four class rooms. Plans nearly complete and figures to be called for shortly.

SANTA BARBARA, SANTA BARBARA CO., CAL.—School, 2 story and base, reinforced concrete, \$250,000. Architects, J. Corbly Poole, Santa Barbara, and Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Prince Hopkins School District. Plans nearly complete and figures to be called for shortly.

VICTORVILLE, SAN BERNARDINO CO., CAL.—School, 1 story and base, reinforced concrete, \$30,000. Architect, Lester H. Hibbard, and H. B. Cody, Marsh-Strong Bldg., L. A. Owners, City of Victorville. Will contain five

class rooms, departments for manual training and domestic science. Plans complete and figures being taken.

LAKEPORT, LAKE CO., CAL.—School, 1 story and base, frame and plaster. Cost not stated. Architects, Morrow & Garren, Chronicle Bldg., S. F. Owners, Town of Lakeport. Will contain four class rooms and an auditorium. Plans complete and figures being taken.

FIREBAUGH, FRESNO CO., CAL.—School addition, 1 story, frame. Cost not stated. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Firebaugh School District. Will contain two class rooms. Plans nearly complete and figures to be called for at once.

LEMOORE, KINGS CO., CAL.—School, 1 story and base, frame. Cost not stated. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Lemoore School District. Will contain one class room. Plans complete and figures to be opened on August 3rd.

VISALIA, TULARE CO., CAL.—School, 1 story and base, brick. Cost not stated. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, City of Visalia. Will contain four class rooms and an auditorium. Plans complete and figures being taken. Bids open on August 5th.

GROSI, TULARE CO., CAL.—School, 1 story and base, brick, \$25,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Grosi Union High School District. Will cover an area of 40 by 210 feet and contain four class rooms and departments for manual training and domestic science. Plans nearly complete and figures to be called for within two weeks.

Contracts Awarded.

PALO ALTO, SANTA CLARA CO., CAL.—School, 1 story and base. Class C construction, \$21,000. Architect, John J. Donovan, Dalziel Bldg., Oakland. Owners, Stanford School District. Contractor, Robert Glaze, Humboldt Bank Bldg., S. F. Contract price, \$21,000.

PORTLAND, ORE.—School, 4 story and base, reinforced concrete, \$90,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owners, Sisters of the Good Shepard. Contractors, Litherland & Abrey, Portland. Contract price, \$90,000.

SEWERS, STREET WORK & WATER SYSTEMS

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on August 8th at 10 a. m. for street improvements authorized under the following resolutions: That portions of north half of the roadway of Durant avenue be graded; concrete curbs and gutters be constructed along the curb lines and adjacent to said portions of the roadway; and the remainder of said portions of the roadway be paved with asphaltic wearing surface 2 inches thick laid on concrete base 5 inches thick.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on August 4th for street improvements authorized under the following resolutions: That the south half of concrete culvert 6x6 feet, in-

300 dimensions, and 125 feet long be constructed in Codornices Creek across Truman street, and that earth fill be made to said street south of the north boundary line of the city of Berkeley.

STOCKTON, SAN JOAQUIN CO., CAL.—Street paving, \$39,319.80. Engineer, City Engineer, Stockton. Owners, City of Stockton. At the last meeting of the City Council sealed proposals for street work in the Salfield addition were called. Bids are to be opened on August 8th for the work which will be done on Sonoma, Mendocino, Mariposa and Monterey streets from El Dorado street to California; and on Hunter, San Joaquin and Sutter streets from Sonoma avenue to a line running through the center of section 18 of Captain Weber's grant. Asphalt macadam paving is provided for as well as concrete curbs, gutters and sidewalks.

RED BLUFF, TEHAMA CO., CAL.—Culverts and road construction. Cost not stated. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. County Surveyor W. F. Lunning at the last meeting of the Tehama County Supervisors was instructed to prepare plans and specifications for the construction of a concrete culvert across a slough east of the Salt Creek bridge on the Belle Mill and Antelope road. Plans were also ordered for the construction of three-fourths of a mile of rock crushed road on the Mantion road near the Leland Patterson place. Bids on the improvements will be called on acceptance of the plans.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, South San Francisco. Owners, South San Francisco. Bids will be opened on August 7th for street improvements authorized under the following resolution: That the following streets and avenues be improved by grading, combination concrete curbs and concrete gutters and concrete sidewalks be constructed, an asphaltic concrete pavement, consisting of a concrete base 4 inches thick and an asphaltic concrete wearing surface 1½ inches thick; storm water sewers, together with all laterals, catch basins and manholes and appurtenances, be constructed of vitrified, salt-glazed sewer pipe and 4-inch, vitrified, salt-glazed, ironstone pipe lateral sewers with Ys.

SAN JOSE, SANTA CLARA CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. At the last meeting of the County Supervisors plans and specifications for the improvement of San Martin avenue in Supervisor District No. 1, in Santa Clara County, presented by the County Surveyor, were approved and the Clerk directed to advertise for bids for the same to be opened August 21st at 11 o'clock a. m. The County Surveyor reports that plans and specifications for the improvement of Lincoln avenue will be presented at the next meeting of the Board for its adoption. Plans may be had from the County Clerk.

BAKERSFIELD, KERN CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on August 8th at 2 p. m. for grading, paving and construction of culverts on Division 9, Section

7, Bakersfield-Glennville road, being that portion beginning at the end of the pavement on Section 6, thence east 1.78 miles following the present county road.

MODESTO, STANISLAUS CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Bids will be opened on August 15th at 2:30 p. m. for the construction of a concrete road on McHenry avenue from the center of Stoddard avenue northerly to the north boundary limits of the city of Modesto.

SAN FRANCISCO—Water supply. Cost not stated. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on August 9th for tunnel work on the Lower Cherry Aqueduct of the Hetch Hetchy Project.

Cox Award

LAKE SPAULDING, CAL.—Addition to dam, reinforced concrete, \$250,000. Engineer, Engineering Department Pacific Gas and Electric Co., S. F. Owners, Pacific Gas and Electric Co. Contractors, Twohy Bros., Hobart Bldg., S. F. Contract price, \$250,000.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on August 8th at 11 a. m. for street improvements authorized under the following resolutions: That the alley between B and C streets, from 12th street to 13th street, be improved by constructing 1 concrete catch basin complete, 560 linear feet of concrete curb wall; 8 linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catch basin to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick.

That the alley between E street and F street, from 12th street to 13th street, be improved by constructing 2 concrete catch basins complete, placing 12 linear feet of 8-inch, vitrified, ironstone sewer pipe drains connecting catch basins to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick.

That the alley between 1 and J Sts., from 13th to 14th street, be improved by constructing a concrete retaining wall on both sides of the alley from the east line of 13th street to the west line of 14th street; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Plans and specifications may be had from City Clerk M. J. Desmond.

VENTURA, VENTURA CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Ventura. Owners, Ventura County. Bids will be received by the Board of Supervisors up to 11 a. m. of August 9th for grading and paving with concrete 4 inches thick and 16 feet wide, Division 7, Santa Clara River to Somis road, on the State highway, a distance of 8.77 miles, in accordance with plans and specifications on file in the office of

the Board, and at the office of the County Highway Commission and obtainable upon deposit of \$3. The approximate quantities are: 17,500 cubic yards of excavation, including borrow; 46,500 linear feet shaping and rolling road bed; 9,200 cubic yards Class B concrete (pavement aprons and cut-off walls without forms); 230 cubic yards Class A concrete (bridges, culverts and walls and catch basins); 156 linear feet 18-inch corrugated iron pipe in culverts; 90 linear feet 24-inch pipe; 90 linear feet 36-inch pipe; relaying 140 linear feet of 12 to 24-inch corrugated iron pipe; 15,000 pounds reinforcing steel. Certified check for 5 per cent must accompany each bid. J. S. McCloskey is the County Clerk.

LOS ANGELES, CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Bids will be received by the Board of Supervisors up to 2 p. m. of August 21, 1916, for improving Section D of the Mint Canyon road. The section is 10.63 miles in length, and will be paved with concrete 20 feet wide and 5 inches thick. The approximate quantities are: 94,275 cubic yards of excavation, 56,158 linear feet of shaping road bed, 22,000 linear feet of guard fence, 11,123 pounds of reinforcing steel, 336 cubic yards of Class A concrete for culverts and headwalls, 124,793 square yards of concrete pavement. The county will furnish 23,231 barrels of cement, 261 tons of lime and 1,486 barrels of oil. The estimated cost is \$125,493.75. Bids will also be taken on Proposition B, which is the same as above except that the county will furnish 12,716 tons of sand, 20,760 tons of broken stone and 2,559 tons of screenings from the county plant. The estimated cost on this proposition is \$132,885.25 on account of the excess cost of freight.

CHINO SAN BERNARDINO CO., CAL.—Disposal works. Cost not stated. Engineer, City Engineer, Chino. Owners, City of Chino. Bids will be received by the City Clerk, City Hall, north east corner D and 7th streets, up to 5 p. m. of August 15, for the construction of a sewer system and disposal works for the city of Chino, for which \$55,000 bonds have been voted and sold. Work to be in accordance with plans and specifications on file at the office of the City Clerk, and which can be obtained from him by making a deposit of \$1.50, or from Olmstead & Gillean, 1112 Hollingsworth Bldg., L. A., consulting engineers on the work. The approximate quantities are: 42,390 feet 8-inch pipe, 1,540 feet 10-inch pipe, 766 feet 12-inch pipe, 5,500 feet 14-inch pipe, 1,700 feet 16-inch pipe, 81 manholes, 21 flush tanks, 1 inchoff tank. Certified check for 10 per cent must accompany each bid. E. L. P. Wetmore is the City Clerk.

SACRAMENTO, CAL.—Street paving. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commissioners have awarded a contract to the McGilivray Construction Co., 717 Capitol National Bank Bldg., Sacramento, for the following work: That 3rd street, from the south line of Q street to the north line of T street, be improved by grading the roadway and constructing thereon an asphaltic macadam pavement, consisting of a hydraulic concrete foundation 4 inches thick at the

gutter and running to 5 inches thick, and an asphaltic macadam wearing surface 1½ inches thick; reconstructing 4 concrete manholes and 1 concrete catch basin.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contracts for street improvements have been awarded as follows: To Clark & Henery Construction Co., Ochsner Bldg., Sacramento: That University avenue in the vicinity of 3rd street be graded, concrete curbs be constructed; 2 concrete storm water inlets with cast iron curbs and gratings, and 12-inch, vitrified, ironstone pipe connections with the existing storm sewer in University avenue, a 10-inch, vitrified, ironstone pipe sewer, and that said roadway be paved with brick pavement laid on 4-inch concrete base.

To Oakland Paving Co., 5000 Broadway, Oakland: That the roadway of Keith avenue, from the east line of Hopkins Terrace No. 4 east and north to north boundary line of the city of Berkeley be graded; combination concrete curbs and gutters be constructed along the curb lines thereof, and that the remainder of the roadway be macadamized and surfaced with oil and rock screenings.

To Oakland Paving Co.: That a cement sidewalk 6 feet wide be constructed on the north and south sides of Carlton street from the east line of San Pablo avenue east to the west curb line of Baker street.

VISALIA, TULARE CO., CAL.—Gas plant extension, \$46,490.95. Engineer's name not given. Owners, Central California Gas Co. The Central California Gas Co. is preparing to expend about \$46,490.95 in additions to the company's gas system. The proposed additions are: Generator, Visalia, \$5,830; services, general, \$9,672.45; trunk line, Visalia, \$6,260; covering compression tanks, Visalia, \$107; covering steam lines, Visalia, \$285; compressor, Porterville, \$731; holder at Porterville, \$11,556; compressor No. 5, Visalia, \$3,655; main extensions, \$8,064.

HEALDSBURG, SONOMA CO., CAL.—Septic tank. Cost not stated. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. The city of Healdsburg will build septic tanks for its sewer system. The town trustees have advertised for bids, but only one contractor submitted figures on the work, and his bid was rejected at the board's last meeting. It was decided to construct three tanks.

Contracts Awarded

STOCKTON, SAN JOAQUIN CO., CAL.—Street and sewer construction. Cost as follows. Engineer, City Engineer, Stockton. Owners, City of Stockton. The following bids were received by the City Council for curbing and paving of the central and south-easterly roads of Bienvenido Park, Gaskell & Foley, a new firm, were the lowest bidders, their offer being \$7,747.84. Other bidders were A. B. Munson & Son, \$7,958.35; Frank C. McIntire, \$8,463.33; the Highway Surfacing Co., \$8,899.53. The City Engineer's estimate for the work was \$8,164.64. Only two firms submitted proposals for the storm sewer work to be done on Edison, Harrison, Lincoln, Jefferson, Jackson and South streets and the French Camp turnpike. Both were

higher than the estimate of the City Engineer, but he thought them reasonable because of the difficult nature of the work. W. S. Gause, 15 Park Way, Oakland, had the lowest bid, \$6,093.33; while W. F. Edwards submitted the other proposal, \$6,477.69. The Engineer's estimate was \$5,749.38. The contract was awarded to the lowest bidders in each case.

SAN FRANCISCO—Street improvements. Cost as follows, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts have been awarded under the following resolutions: The improvement of Woolsey street, between Dartmouth and University streets, including the crossing of Woolsey street and Colby street, and the improvement of University between the north line of Woolsey street and the south line of Wayland street, by grading to official line and grade. Awarded to J. P. Holland, 550 3rd street, for \$2,887.20.

The improvement of the crossing of Judah and 30th avenue by grading, construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: An 8 and 12-inch with one brick manhole, three brick catch basins, with cast iron frames, gratings and traps and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; concrete curbs; artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to The State Improvement Co., Crocker Bldg., S. F., for \$2,964.65.

MARTINEZ, CONTRA COSTA CO., CAL.—Highway construction. Cost as follows, Engineer, County Surveyor, Martinez, Owners, Contra Costa County. Bids were opened by the Contra Costa County Board of Supervisors for furnishing of materials and labor and grading and preparing the sub-grade, building bridges and culverts, excavating for bridges and culverts and building road with a concrete base on Division No. 3 of the county highway from Bryon to the county boundary for line, a distance of 8.14 miles; and for furnishing of materials and labor and grading and preparing the sub-grade, building bridges and culverts, excavating for bridges and culverts and building road with a concrete base on Division 4 from Antioch to Pittsburg, a distance of 3.49 miles. Both contracts were awarded to O'Brien Bros., Main street, Martinez, on their bids of \$95,705.86 for Division No. 3, and \$52,540 for Division No. 4. Following is a complete list of the bids received:

Division No. 3—O'Brien Bros., Martinez, \$95,705.86; Eaton & Smith, San Francisco, \$105,355.56; C. H. & A. W. Gorrell, San Francisco, \$112,967.15; City Street Improvement Co., San Francisco, \$115,522.49.

Division No. 4—O'Brien Bros., Martinez, \$53,540; Baker & Martin, San Francisco, \$57,948; Whitlock & Gorrell, San Francisco, \$59,185; C. B. Cowden, San Francisco, \$59,515; Eaton & Smith, San Francisco, \$60,181; Macrae & Layas, San Francisco, \$61,466; Blake Bros. Co., Oakland, \$61,635; W. Price, San Francisco, \$62,395; C. H. & A. W. Gorrell, San Francisco, \$63,610; City Street Improvement Co., San Francisco, \$66,308.90.

LOS ANGELES, CAL.—Street improvements, \$11,380. Engineer, City Engineer, L. A. Owners, City of Los

Angeles. Contractor, A. L. McCray, 234 West 28th street, L. A. Contract price, \$11,380.

SANTA BARBARA, SANTA BARBARA, CO., CAL.—Street paving. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. Contractors, Municipal Improvement Co., Santa Barbara. Contract price, \$14,532.29.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street improvement, \$12,432.97. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Contractor, W. E. Miller, Santa Cruz. Contract price, \$12,432.97.

STORES AND OFFICES

SAN FRANCISCO—Stores and sample rooms, 3 story and base, frame, \$3,000. Architect, Otto Schiller, Owner, Henry Vowinkel, 350 Hayes street, S. F. Location north Grove west of Franklin, covering an area of 27½ by 120 feet. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Offices, 10 story and base. Class A construction, \$1,500,000. Architects, Bliss & Paville, Bahia Bldg., S. F. Owners, Southern Pacific Co. Location, southeast Market and Spear streets, covering an area of 274 by 209 feet. Plans complete and work being figured both as a whole and segregated.

OAKLAND, CAL.—Stores, 1 story and base, frame, \$2,000. Architects, J. C. and M. L. Newsom, 1746 Broadway, Oakland. Owner, Mr. Piso. Location, 20th avenue and East 21st street. Will contain three stores. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Offices, 4 or 5 story and base. Class A construction, \$200,000. Architect, C. W. Dickey, Central Bank Bldg., Oakland. Owners, Pacific Gas and Electric Co. Location, 17th and Clay streets. Only preliminary plans have been prepared and the height of the building and other details have not been settled. Further mention of the work will be made.

OAKLAND, CAL.—Stores, 1 story and base, brick. Cost not stated. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Produce Companies. Location, Third and Franklin streets. Will contain a large number of stores. Plans complete and figures to be taken at once.

RICHMOND, CONTRA COSTA CO., CAL.—Stores and loft, 1 story, frame, \$19,000. Architect, James T. Narbett, 704 Macdonald avenue, Richmond. Owner, Mrs. Bucking. Location, 6th and Macdonald avenue. Will contain stores and lofts. Plans being prepared.

PITTSBURG, CONTRA COSTA CO., CAL.—Store addition, brick. Cost not stated. Architect's name not given. Owner, P. Scott, Pittsburg. Bids will now be received on the construction of a second story on the building occupied by the Modern Pharmacy at the southwest corner of Railroad avenue and Third street, Pittsburg, and contractors desiring this work may obtain full particulars by applying to the owner of the property, P. Scott, Pittsburg, Cal. **HILLSBOROUGH, SAN MATEO CO., CAL.**—Exchange building, 1 story and base, reinforced concrete, \$15,000. Architects, Howard & White, Lick Bldg., S. F. Owners, Pacific Telephone and Telegraph Co. Will contain the com-

pany offices and exchange. Plans being prepared.

PORTLAND, ORE.—Stores and lofts, 5 story and base, reinforced concrete. Cost not stated. Architect, J. V. Bennes, Chamber of Commerce Bldg., Portland. Owners, Liebes & Co. Location, Broadway adjoining Broadway Building. Will cover an area of 50 by 100 feet. Plans being prepared.

Contracts Awarded

SAN FRANCISCO—Offices foundation work, etc., \$37,000. Architects, Bliss & Paville, Bahia Bldg., S. F. Owners, Southern Pacific Co. Contractors, Van Sant-Houghton Co., 505 Market street, S. F. Contract price, \$37,000.

THEATRES

MANHATTAN BEACH, LOS ANGELES CO., CAL.—Amusement pier, timber and concrete, \$21,133. Architects, Train & Williams, Exchange Bldg., L. A. Owners, City of Manhattan Beach. George W. Harbor, 149 West 31st St., L. A., submitted the lowest bid for this work at \$21,433. All bids were taken under advisement.

BTE, MONTANA—Theatre, 4 story and base, brick, concrete and terra cotta, \$100,000. Architect, H. Ryan, Liberty Bldg., Seattle, Wash. Owners, Silver Bow Amusement Co. Will cover an area of 94 by 160 feet. Plans complete and figures to be called for shortly.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1066 — Proposals for Kerosene and Gasoline. Annual estimate for the period ending June 30, 1917.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. August 11, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1066) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1067 — Proposals for Door and Window Hardware, Elevators, Dumbwaiter, Steel Cable, Refrigerators, Bone-Black, Spud Timbers.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. August 11, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1067) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1065 — Proposals for Structural Steel, Steel Plates, Planished Iron, Ridge Pails, Manganes Steel Links and Pins, Riveting Forces, Post Hole Diggers, Valves, Cast Iron Pipe, Sewer Pipe, Electrical Material, Drafting Instruments, Gauge, Lamps, Whistles, Oil Cans, Gaskets, Padlocks, Grindstone, Clips, Bristol Board, Asbestos Board, Canvas, Laundry Bags, Rubber Boots, Alcohol, Paints, Linseed Oil, Powdered Graphite, Varnishes, Alumina Sulphate, Carbon Bismuthide and Millwork.—Sealed proposals will be received at the office of the general

purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. August 7, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1065) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL L. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR WHARF.

SEA WALL AND WHARF—Sealed proposals will be opened by the Light-house Inspector, Portland, Ore., at 2 o'clock p. m. August 7, 1916, for extending and repairing the sea wall and building small wharf at Mukilteo Light Station, Wash. Information upon application to above office.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock p. m. August 21, 1916, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portion of State highway as follows:

Santa Barbara County, across the Santa Ynez River (V-S B-2-D), a bridge comprising five through steel spans, each 160 feet long, with timber trestle and earth fill approaches.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,

NEVELL D. DARLINGTON,

CHARLES F. STERN,

California Highway Commission.

AUSTIN B. FLETCHER,

Highway Engineer.

WILSON R. ELLIS,

Secretary.

Dated: July 21, 1916.

PROPOSALS FOR BRIDGE.

BRIDGE SPANS—Department of the Interior, Office of Indian Affairs, Washington, D. C. July 5, 1916.—Sealed proposals plainly marked on the outside of the sealed envelope "Proposals for Material for two Steel Spans for Bridge, Klamath Indian Reservation, Oregon," and addressed to the commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until 2 o'clock p. m. of August 7, 1916, for furnishing the material only required for the construction of two steel bridge spans, one 20-foot span and one 60-foot span, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at the United States Indian warehouse at San Francisco, Cal., and at the office of the superintendent of the Klamath Indian Agency, Klamath Agency, Ore. CATO SELLS, commissioner.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Sealed proposals will be received at the office of the United States Reclamation Service, Powell, Wyo., until 2 o'clock p. m. Au-

gust 18, 1916, for the construction of canals on the Shoshone project, Wyoming, involving about 572,000 cubic yards of excavation. The work is located near the stations of the Mantua and Frannie, Wyo., on the C. B. & Q. Railroad. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Powell, Wyo. WILL R. KING, acting director.

PROPOSALS FOR EARTHWORK.

EARTHWORK—Sealed proposals will be received at the office of the United States Reclamation Service, Malta, Mont., until 2 o'clock p. m. August 14, 1916, for earthwork, Nelson Reservoir, South, Wash., Milk River project, involving about 617,000 cubic yards of excavation. The work is located in the vicinity of Saco and Bearford, on the Great Northern Railway. For particulars address the United States Reclamation Service, Malta, Mont.; Denver, Colo., or Washington, D. C. WILL R. KING, acting director.

PROPOSALS FOR DREDGE.

DREDGE—Sealed proposals indorsed "Proposals for Dredge" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. August 12, 1916, and then and there publicly opened, for a gravity swing, 1-ton, bucket dredger for the navy yard, Mare Island, Cal. Plans and specification can be obtained on application to the bureau or to the commandant of the navy yard hereunder. F. R. HARRIS, chief of bureau.

COMMERCIAL MUSEUM IN PERU.

Notice has been received in the Bureau of Foreign and Domestic Commerce of the establishment in Lima, Peru, of a new commercial museum, the purpose of which is to bring together articles from Peru and all other countries of North and South America which would be of commercial or economic interest. A communication from the founders of the institution contains the following statements:

The object of the museum is to secure by all means in its power Pan American reciprocity, not only in the economic but also in the intellectual field. In order to fulfill its mission every way possible to promote permanent Pan American expositions which will assemble the products of each country on the largest scale and in the most graphic and definite form.

The institution publishes a periodical entitled "Evolucion Peruana." It is understood that the museum would be pleased to enter into correspondence with American exporters who have no other representatives in the field. Those who wish to get in touch with the new institution can do so by addressing the "Museo Comercial e Industrial del Peru," Lima, Peru. Five cents postage is required on all letters to Peru.

CANAL RECORD AS AID TO BUSINESS MEN.

The Panama Canal issues a weekly publication called The Canal Record, which contains general information concerning conditions on the Isthmus, the passage of vessels through the canal, their ports of departure and destination, nature and quantity of goods carried etc., which would seem to be of special interest to companies concerned with the shipment of goods via the canal, as well as to others who are interested in the canal generally.

Sample copies of the Record and information regarding subscription rates

may be obtained by communicating with the Chief of Office, The Panama Canal, Washington, D. C.

TWO STEAMERS RETURNED TO PACIFIC TRADE.

[Panama Canal Record, July 5] * The Siberia, formerly of the fleet of the Pacific Mail Steamship Co. and sold last October to the Atlantic Transport Co., for service between Great Britain and New York, passed through the Panama Canal on July 1 on its way back to the Pacific Ocean under the house flag of the Toyo Kisen Kaisha. The steamer has been registered in Yokohama and will be operated in the service between the United States and the Far East.

A sister ship, the Korea, is expected to make the passage through the canal within a short time, having likewise been sold to the Toyo Kisen Kaisha. The price of the two vessels in the recent sale is reported at \$2,000,000 each.

DO YOU KNOW THAT

Intelligent motherhood conserves the nation's best crop?

Heavy eating like heavy drinking shortens life?

The registration of sickness is even more important than the registration of deaths?

The U. S. Public Health Service cooperates with state and local authorities to improve rural sanitation?

Many a severe cold ends in tuberculosis?

Sedentary habits shorten life?

Neglected adenoids and defective teeth in childhood menace adult health?

A low infant mortality rate indicates high community intelligence?

OAKLAND MAN AN INVENTOR.

Harry T. Lally Jr., a member of the plumbing firm of Mark-Lally, 1005 Webster street, is the inventor of a new toilet bowl that has already attracted the interest of the trade and which may reap rich rewards for the man whose genius contrived the improvement. The new bowl is of the raise-back rim, non-stalling type Lally was granted a patent in February. Experts who have seen Lally's invention declare that it is certain to be universally installed.

STATE CORPORATION DEPARTMENT

SACRAMENTO, Cal., July 29, 1916.—Commissioner of Corporations H. L. Carnahan has permitted the Benchley Warehouse Company, Fullerton, to sell 145 shares at par, \$100 per share, net to the company, the proceeds to be used for building and equipping a packing house.

SLATE REPORT ISSUED.

The annual statement of the Geological Survey on slate in 1915 is available for distribution. According to this report the total value of slate sold in the United States during the year was \$4,953,915.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

WHARF REPAIRS—Reinforced concrete, \$8,750. San Francisco, Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. O. J. Crossfield, 163 Main street, presented the low figure for additions to the wharf at Fort Baker. A complete list of the bids appears under the heading of San Francisco in this issue.

STREET IMPROVEMENTS—Cost as follows. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts have been awarded under the following resolutions: The improvement of Woolsey street between Dartmouth street and University street, including the crossing of Woolsey street and Colby street, and the improvement of University between the north line of Woolsey street and the south line of Wayland street, by grading to official line and grade. Awarded to J. P. Holland, 550 3rd street, for \$2,887.20.

The improvement of the crossing of Judah and 28th avenue by grading, construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: an 8 and 12-inch with one brick manhole, three brick catch basins with cast iron frames, gratings and traps and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; concrete curbs; artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to the State Improvement Co., Crocker Bldg., S. F., for \$2,964.65.

WATER SUPPLY—Cost not stated. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on August 9th for tunnel work on the Lower Cherry Aqueduct of the Hetch Hetchy project.

FLATS—2 story and base, frame, \$5,000. San Francisco, Architect, none. Owner, James H. Conner, 678 16th avenue, S. F. Location, south Cabrillo street, 11th avenue. Will contain two flats of five and six rooms. Plans complete and work by Day Labor.

FLATS—2 story and base, frame, \$3,400. San Francisco, Architect, none. Owner, John F. Haner, 3580 20th street, S. F. Location, west 5th avenue north of Clement. Will contain two flats. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco, Architect, none. Owner, P. Nelson, 2701 Lincoln Way, S. F. Location, northwest Portola Drive and 15th avenue. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$6,500. San Francisco, Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner, Herbert Hellwig. Location, St. Francis Wood. Will contain eight rooms, two baths and basement garage. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$10,000. San Francisco, Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owner, Philip Kohn. Location, 10th avenue near Clement. Will contain ten rooms, two baths and basement garage. Plans being prepared.

RESIDENCE—2 story and base, frame, \$3,500. San Francisco, Architect, Albert Lapachet, 116 Sutter street, S. F. Owner's name withheld. Location, Park Side. Will contain six rooms and bath. Plans being prepared.

FACTORY AND WAREHOUSE—4 story, mill construction, \$100,000. San Francisco, Architect, Henry Sherman, Mills Bldg., S. F. Owner, C. R. Petersen. Location, 15th, Vermont and San Bruno, covering an area of 100 by 200 feet. One-half of building to be occupied by Pioneer Soap Co. Special machinery. Plans complete and figures being taken.

FLATS—2 story and base, frame, \$4,000. San Francisco, Architect, none. Owner, J. C. Kirby, 2152 Market street, S. F. Location, west 9th avenue south of Balboa. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco, Architect, none. Owner, Mary Francis Hope, 1523 Hyde street, S. F. Location, east 46th avenue north on Anza. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 and 4 story, brick and frame, \$45,000. San Francisco, Architect, Louis M. Upton, 111 Ellis street, S. F. Owner, J. J. Tynan. Location, southeast Lyon and Vallejo. Will contain 22 rooms, 5 baths and conservatory. Separate garage. Plans complete and nearly ready for figures.

RESIDENCE—1½ story and base, frame, \$2,000. San Francisco, Architect, none. Owner, P. W. Montrouil, 270 Andover street, S. F. Location, west Mississippi south of 20th. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE ALTERATIONS—3 story and base, frame, \$20,000. San Francisco, Architect, W. G. Hind, 46 Kearny street, S. F. Owners, Luchsinger Estate. Location, Golden Gate near Octavia, Cameron & Disston, Hearst Bldg. will probably be in charge of this work which consists of repairing fire damage.

APARTMENT HOUSE ALTERATIONS AND ADDITIONS—2 story,

frame. Cost not stated. San Francisco, Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner's name withheld. Location, 16th street near Mission. Will contain four apartments of four rooms. Plans complete and figures being taken.

FACTORY—2 story and base, reinforced concrete. Cost not stated. San Francisco, Architect, August G. Headman, Call-Post Bldg., S. F. Owner, J. Alice Cleaning and Dyeing Works. Bids for the glass and glazing are in and a contract is to be awarded at once. Bids are now being taken for the sheet metal work, ornamental iron, plastering and carpentry work. Scott Co. has been awarded the contract for heating and ventilating at \$1,780.

GARAGE—1 story and base, brick and steel, \$20,000. San Francisco, Architect, August G. Headman, Call-Post Bldg., S. F. Owner, G. H. Umhens. Location, south Sutter between Mason and Taylor streets, covering an area of 73 by 137½ feet. Designed for a commercial garage. Plans being prepared.

GARAGE—1 story, brick. Cost not stated. San Francisco, Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner's name withheld. Location, O'Farrell near Leavenworth. Designed for a private garage. Plans being prepared.

RESIDENCE PARK IMPROVEMENTS—Cost not stated. San Francisco, Architect, Louis M. Upton, 111 Ellis street, S. F. Owners, J. J. Tynan and William A. McGee. Location, Lyon between Broadway and Vallejo. Work will consist of concrete bulkheads, balustrades and formal gardens. Plans complete and figures being taken.

STORES AND SAMPLE ROOMS—2 story and base, frame, \$3,000. San Francisco, Architect, Otto Schiller. Owner, Henry Vowinkel, 250 Hayes street, S. F. Location, north Grove west of Franklin, covering an area of 27½ by 120 feet. Plans complete and work to be done by Day Labor.

OFFICES—10 story and base, Class A construction, \$1,500,000. San Francisco, Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, Southern Pacific Co. Location, southeast Market and Spear streets, covering an area of 274 by 209 feet. Plans complete and work being figured both as a whole and segregated.

Contracts Awarded.

EMERGENCY HOSPITAL—2 story and base, Class A construction, \$78,110. San Francisco, Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. Contractors, Anderson & Ringrose, 320 Market street, S. F., general construction only. Contract price, \$78,110.

OFFICES FOUNDATION WORK, ETC.—\$47,000. San Francisco, Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, Southern Pacific Co. Contractors, Van Sant-Houghton Co., 503 Market street, S. F. Contract price, \$37,000.

Receive Figures For Fort Baker Work.

Bids Received For First Unit of Reinforced Concrete Wharf to be Erected at Fort Baker.

Five sets of figures were opened in the Constructing Quartermaster's Office at Fort Mason for the construction of a reinforced concrete addition to the wharf at Fort Baker. O. J. Crossfield, 163 Main street, presented the low figure at \$8,750. Following is a list of the bids received:

Addition to Wharf.

Grace & Bernieri.....	\$12,590
Healy-Thibbitts Constr. Co.....	9,352
O. J. Crossfield.....	8,780
Mervy-Elwell Co.....	11,600
Hyde-Harjes Co.....	9,870

Building Contracts Awarded SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Am't.
2175	Wagner.....	Wagner	1500
2177	Lewis.....	Haskins	450
2178	Sakai.....	Isshii	450
2179	Harris.....	Kern	350
2180	Bay View Constr. Co.....	Owner	1000
2181	Brand.....	Whittaker	400
2182	Kruger.....	Wehr	400
2183	Scott.....	Dilks	1000
2184	Bjors.....	Bjors	1500
2185	Frates.....	Knox	500
2186	Martens.....	Ferguson	600
2187	Laurence.....	Turner	1545
2188	Same.....	Mangrum	500
2189	Hostetter.....	Chase	7000
2190	Sterling Laundry.....	Bert	3000
2191	Deitemeier.....	Fernsworth	2000
2192	Same.....	Same	400
2193	Healy.....	Healy	400
2194	Batistoni.....	Moriconi	2500
2195	Edwards.....	Edwards	1000
2196	Eberhard.....	Schroder	400
2197	Becker.....	Kale Slide	400
2198	Haas.....	Fink	1900
2199	Samuels.....	Pierson	1200
2200	Hartmann.....	Hartmann	400
2201	Worthington.....	Pendry	1500
2202	Pacific G & E.....	Hatch	1650
2203	Archbishop.....	Schradr	885
2204	Marsden.....	Davidson	3000
2205	Seidenberg.....	Coburn	1000
2206	Wo Lung.....	Mowat	750
2207	Farquharson.....	Black	900
2208	Perez.....	Barron	300
2209	Haner.....	Haner	300
2210	Wanner.....	Larson	2400
2211	Clinton.....	Burnham	3485
2212	Market St. Rlty.....	Nutting	1240
2213	Allred.....	Allred	1950
2214	Conner.....	Conner	5000
2215	Royal Ins.....	Owner	500
2216	Bornholdt.....	Owner	400
2217	McCoy.....	Kern	150
2218	Person.....	Person	1750
2219	White Lunch.....	Ostlund	1000
2220	Nelson.....	Nelson	2500
2221	Nelson.....	Nelson	1000
2222	Bailout.....	Bailout	2000
2223	Giese Estate.....	Giese	400
2224	Kohler.....	Pink	4150
2225	City & Co of S F.....	Wold	4250
2226	Same.....	Nichols	3898
2227	Same.....	Wold	48200
2228	Same.....	Globe	4600
2229	Bishop.....	Bishop	700
2230	Rulfs.....	Heidenreich	4250
2231	Same.....	National Mill	3600
2232	Same.....	Peterson	3410
2233	City & Co of S F.....	Flatland	19857
2234	Allred.....	Allred	1950
2235	Allred.....	Allred	1950
2236	Arnott.....	Arnott	1400
2237	Arnott.....	Arnott	1400
2238	Campbell.....	Cress	4250
2239	Goldschmidt.....	Lorenzen	500
2240	Voughin.....	Devenenzi	600
2241	Kerner.....	Sheridan	500
2242	Sugar Pine.....	Hannah	500
2243	Kurtz.....	Stone	100
2244	Mattanovich.....	Owner	1000
2245	Imhof.....	Nukiewicz	1950
2246	Reardon.....	Gillmor	6282
2247	MacArthur Bros.....	Gillmor	250

FRAME DWELLING

(2176) SW CHERNEY AND MATEO.
One-story and basement frame dwlg.

BUILDING AND ENGINEERING NEWS

Owner.....Geo. C. H. Wagner, 825
Monadnock Bldg., S. F.
Architect...J. C. Illadik, Monadnock
Bldg., S. F.
Day's work.....COST, \$1950

ALTERATIONS

(2177) NO. 4820 GEARY. Raise and
alter dwelling.
Owner.....Mr. Lewis, Premises.
Architect...None.
Contractor...W. Haskins, 2023 Anza,
San Francisco.
COST, \$450

ALTERATIONS

(2178) NO. 1634 POST. Alter for fish
market.
Owner.....K. Sakai, Premises.
Architect...None.
Contractor...K. Isshi, 1690 Post, S. F.
COST, \$450

ADDITION

(2179) NO. 3415 WASHINGTON. Add
to and alter residence.
Owner.....L. W. Harris, Premises.
Architect...Ward & Blohme, Alaska
Commercial Bldg., S. F.
Contractor...L. A. Kern, 3646 17th, S. F.
COST, \$950

FRAME DWELLING

(2180) SE GILMAN AND CONGALLS.
One-story and basement frame dwlg.
Owner.....Bay View Constr. Co., 2443
Third, San Francisco.
Architect...F. Holberg Reimers, 2125
Shattuck Ave., Berkeley.
Day's work.....COST, \$1000

ALTERATIONS

(2181) NW BRANNAN AND RITCH.
Alter store into rooms.
Owner.....Arthur Brand, 817 Pacific
Bldg., San Francisco.
Architect...None.
Contractor...S. H. Whittaker, 2130 Fill-
more, San Francisco.
COST, \$100

ALTERATIONS

(2182) W FORTY-SIXTH AVE 200 S
Irving. Raise and alter dwelling.
Owner.....Mrs. Clara Kruger, 1636
Lincoln Way, Fruitvale.
Architect...None.
Contractor...Fred H. Wehr, 1423 46th
Ave., San Francisco.
COST, \$100

ALTERATIONS

(2183) NO. 337 BERRY. Alter hay
barn.
Owner.....Scott Magner & Miller, 40
California, San Francisco.
Architect...None.
Contractor...H. A. Dilks, 258 Faxon Ave
San Francisco.
COST, \$1000

FRAME DWELLING

(2184) S TWENTY-FOURTH 75 E
Fountain. One and one-half-story
and basement frame dwelling.
Owner.....Victor Bjors, 3943 17th,
San Francisco.
Architect...None.
Day's work.....COST, \$1500

ALTERATIONS

(2185) NOS. 511-12-15 CLAYTON. Alter
flats.
Owner.....F. E. Frates, 610 7th Ave.,
San Francisco.
Architect...None.

Wednesday, August 2, 1916.

Contractor...Orrin Knox, 624 7th Ave.,
San Francisco.
COST, \$500

FRAME GARAGE

(2186) NO. 1361 CALIFORNIA. One-
story frame garage.
Owner.....Mr. Martens, Premises.
Architect...None.
Contractor...Ferguson & Son, 1739
Union, San Francisco.
COST, \$600

FRAME RESIDENCE

(2187) S VALDEJO 35 E Broderick S
137-6xE 35. Plumbing and gas fitting
for two-story and basement frame
residence.
Owner.....C. M. Laurence, 2661 Stei-
ner, San Francisco.
Architect...G. A. Applegarth, Claus
Spreckels Bldg., S. F.
Contractor...Turner Co., 280 Natoma,
San Francisco.

Filed July 22, '16. Dated July 5, '16.
Progressive monthly payments 75%
Usual 35 days.....25%
TOTAL COST, \$1545
Bond, none. Limit, as fast as possible.
Forfeit, none. Plans and specifications
filed.

(2188) WARM AIR HEATING PLANT

on above.
Contractor...Mangrum & Otter, 561
Mission, San Francisco.
Filed July 22, '16. Dated July 5, '16.
Payments not given.....
TOTAL COST, \$182
Bond, limit, forfeit, none. Plans and
specifications filed.

FRAME FLATS AND GARAGE

(2189) S CLAY 186-10 E Franklin E
10-6½x127-8¼. All work for two-
story frame flats and garage.
Owner.....Agnes C. Hostetter, 2624-A
Octavia, San Francisco.
Architect...None.
Contractor...John G. Chase Jr., 180
Jessie, San Francisco.

Filed July 22, '16. Dated July 17, '16.
Frame up.....\$1050
Enclosed.....1650
Brown coated.....1050
Completed.....1050
Usual 35 days.....1750
TOTAL COST, \$7000
Bond, \$3500. Surety, The Aetna Acci-
dent & Liability Co. Limit, not given.
Forfeit, none. Plans and specifications
filed.

NOTE:—Plans prepared by Architect
A. W. Richardson, 937 Church St. First
report July 8th, No. 2042.

TANK, ETC.

(2190) NO. 56 JULIAN AVE. Erect
tank and tank support.
Owner.....Sterling Laundry Co., 56
Julian Ave., San Francisco.
Architect...None.
Contractor...O. H. Bert or Best, 593
Market, San Francisco.
COST, \$3000

ADDITIONS

(2191) W LEXINGTON AVE 235 N
20th. Move, add to and repair frame
flats.
Owner.....Wm. F. Deitemeier, 853
Valencia, San Francisco.
Architect...Rhodes & Marish, 3372
16th, San Francisco.
Contractor...Chas. Fernsworth, 4065
19th, San Francisco.
COST \$2000

FRAME RESIDENCE

(2192) E VALENCIA 210 N 20th. Two story frame stores and residence. Owner.....Wm. F. Deltemeier, 853 Valencia, San Francisco. Architect...Rhodes & Marisch, 3272 16th, San Francisco. Contractor...Chas. Fernsworth, 4065 19th, San Francisco. COST, \$2900

RATPROOF DWELLING

(2193) NO. 2472 CLAY. Ratproof dwelling. Owner.....John Healy, 121 Sullivan, San Francisco. Architect...None. Day's work. COST, \$400

FRAME FLATS

(2194) N CHESNUT 125 E Laguna. Two-story and basement frame (2) flats. Owner.....Eolo Batistoni, 116 Magnolia, San Francisco. Architect...None. Contractor...E. Moriconi, 2125 Polk, San Francisco. COST, \$2500

ALTERATIONS

(2195) SW CLARA AND FIFTH. Raise and underpin tenements. Owner.....Wm. Edwards, 133 Geary, San Francisco. Architect...Fred B. Wood, 2237 Steiner, San Francisco. Day's work. COST, \$1000

ALTERATIONS

(2196) NO. 360 FREMONT. Erect partitions and shelves. Owner.....Geo. F. Eberhard Co., Prem Architect...None. Contractor...Schroder Bros., 765 Folsom, San Francisco. COST, \$400

ELECTRIC SIGN

(2197) GORE EDDY AND MARKET. Erect sign. Owner.....A. J. Becker, Premises. Architect...None. Contractor...Kale Slide Co., 79 9th, San Francisco. COST, \$400

ALTERATIONS

(2198) S O'FARRELL in Phelan Bldg. Remodel front, lower present floor, install plumbing, etc., for candy store. Owner.....Geo. Haas & Son, Phelan Bldg., San Francisco. Architect...Chas. E. Gottschalk, Phelan Bldg., San Francisco. Contractor...Fink & Schindler Co., 228 13th, San Francisco. COST, \$1900

ALTERATIONS

(2199) W PARKER AVE 280 N Geary. Alter residence into flats. Owner.....M. Samuels, 895 Market, San Francisco. Architect...O'Brien Bros., Montgomery, San Francisco. Contractor...E. K. Pierson. COST, \$1200

ALTERATIONS

(2200) NO. 1101 RHODE ISLAND. New roof, etc. Owner.....Susanna Hartmann, Prem. Architect...None. Contractor...G. Hartmann, 1101 Rhode Island, San Francisco. COST, \$400

FRAME DWELLING

(2201) NO. 2021 SAN JOSE AVE. One and one-half-story and basement frame dwelling. Owner.....Dee Worthington, 2025 San Jose Ave., San Francisco. Architect...None. Contractor...A. F. Pendry, 259 Bartlett, San Francisco. COST, \$1350

ALTERATIONS

(2202) W MARYLAND N OF Humboldt Removal of 5 secondary scrubbers from their present location in Potrero gas works to new location in said works. Owner.....Pacific Gas & Electric Co., 445 Sutter, San Francisco. Architect...None. Contractor...H. J. Hatch, 4439 Geary, San Francisco. Filed July 24, '16. Dated July 17, '16. On completion 75% Usual 35 days 25% TOTAL COST, \$1650

Bond, \$825. Surety, Casualty Co. of America. Limit, 15 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2203) NE COLUMBIUS AVE AND Vallejo E 77-8 1/4 X N 137-G. Alterations and additions to present steel frame of building known as Saint Francis Church.

Owner.....Roman Catholic Archbishop of S. F., 1100 Franklin, San Francisco. Architect...Chas. J. I. Devlin, Pacific Bldg., San Francisco. Contractor...Schradler Iron Works, 1247 Harrison, San Francisco. Filed July 24, '16. Dated July 18, '16. Completed \$663.75 25 days after 221.25 TOTAL COST, \$885.00 Bond, \$550. Sureties, Chas. A. Carillon and Wm. Camp. Limit, 20 days. Forfeit, \$10. Plans and specifications filed.

FRAME STORE

(2204) N CLEMENT 82-6 W 24th Ave W 25xN 100. All work for one-story frame store. Owner.....John L. Davidson, 1101 Clement, San Francisco. Architect...C. O. Clausen, Hearst Bldg., San Francisco. Contractor...J. W. Marsden, 1452 Haight, San Francisco. Filed July 24, '16. Dated June 8, '16. Frame up \$992.50 Brown coated 507.50 Completed and accepted 750.00 Usual 35 days 750.00 TOTAL COST, \$3000.00 Bond, none. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS

(2205) S JACKSON 100 W Maple. Alter dwelling. Owner.....H. Seidenberg, Mills Bldg., San Francisco. Architect...A. H. Jacobs, 110 Sutter, San Francisco. Contractor...Ira W. Coburn, 180 Jessie, San Francisco. COST, \$1000

ALTERATIONS

(2206) NOS. 1101-1103 GRANT AVE. Alter butcher shop. Owner.....Wo Lung Co., 1105 Grant Ave., San Francisco. Architect...None.

Contractor...J. Mowat, 2025 Market, San Francisco. COST, \$750

ADDITIONS

(2207) NO. 39 SEA CLIFF. Alter and add to dwelling. Owner.....Chas. D. Farquharson, 39 Sea Cliff, San Francisco. Architect...Willis Polk, Hobart Bldg., San Francisco. Contractor...H. Black, 914 Buena Vista Ave., Berkeley. COST, \$900

ALTERATIONS

(2208) NO. 742 EDINBURGH. Underpin and alter dwelling. Owner.....Mrs. Perez, 744 Edinburgh San Francisco. Architect...None. Contractor...Jas. Barron, 782 Edinburgh, San Francisco. COST, \$500

FRAME FLATS

(2209) W FIFTH AVE 100 N Clement. Two-story and basement frame (2) flats. Owner.....John E. Haner, 3580 20th, San Francisco. Architect...None. Day's work. COST, \$3400

FRAME COTTAGE

(2210) SW WANDA 100 NE Onondago being Lot 37 Blk "B" (17 B) C. S. Allied Sub of Blks No. 17 & 18 West End Map. All work except gas and electric fixtures for one and one-half-story frame cottage. Owner.....Anna Warner of Wanner, 51 Wanda, San Francisco. Architect...None. Contractor...AxeL R. Larson, 282 Dolores San Francisco. Filed July 25, '16. Dated July 25, '16. Frame up \$615 Brown coated 615 Completed 615 Usual 35 days 615 TOTAL COST, \$2460 Bond, none. Limit, 90 days from issuing permit. Forfeit, none. Plans and specifications filed.

HEATING AND VENTILATING

(2211) E THIRD 125 N Townsend N 150x E 160. All work for heating and ventilating for five-story and basement concrete building. Owner.....Clinton Construction Co. of California, 140 Townsend, San Francisco. Architect...Geo. Wagner, 518 Hearst Bldg., San Francisco. Contractor...Burnham Plumbing Co., Inc., 1220 Webster, S. F. Filed July 26, '16. Dated June 13, '16. On 15th of each month 75% Usual 35 days 25% TOTAL COST, \$3485 Bond, none. Limit, Sept. 1, 1924. Forfeit, \$25. Plans and specifications filed.

WRECKING BUILDING

(2212) E MARKET AND FOURTH NE 100xSE 170. All work for wrecking and taking down two-story building. Owner.....Market Street Realty Co. Architect...Cunningham & Politeo, 1st National Bank Bldg., S. F. Contractor...C. Nutting. Filed July 26, '16. Dated July 17, '16. On signing contract \$500 When contractor receives notice to proceed with work 1240 TOTAL COST, Contractor to do said work and pay to owner \$1740.

Bond, \$570. Surety, Casualty Co. of America. Limit, 45 days. Forfeit, \$20. Specifications only filed.

FRAME STORE AND FLAT
(2213) NW MEDA AND OCEAN AVE.
Two-story frame store and flat.
Owner.....C. S. Allred, 150 Onondago Ave., San Francisco.

Architect...None.
Day's work.....COST, \$1950

FRAME FLATS
(2214) S CABRILLO 82-6 W 11th Ave.
Two-story and basement frame (2) flats.
Owner.....Jas. H. Conner, 678 10th Ave., San Francisco.

Architect...None.
Day's work.....COST, \$5000

ALTERATIONS
(2215) NW PINE AND SANSOME.
Subdivide 2 rooms by partitions.
Owner.....Royal Insurance Co., Ltd., 210 Sansome, S. F.

Architect...None.
Day's work.....COST, \$500

ALTERATIONS
(2216) NOS. 1928-30 ELLIS. Alter for bath room.
Owner.....Herman Bornholdt, 412 12th Ave., San Francisco.

Architect...None.
Day's work.....COST, \$100

ALTERATIONS
(2217) NO. 3425 JACKSON. Minor alterations for dwelling.
Owner.....H. D. McCoy.
Architect...Ward & Blohme, Alaska Commercial Bldg., S. F.
Contractor...L. A. Kern, 3646 17th St. San Francisco.

COST, \$750

FRAME DWELLING
(2218) NE EXCELSIOR 75 NW Lisbon
One and one-half-story and basement frame dwelling.
Owner.....Martin Person, 178 Ney, San Francisco.

Architect...None.
Day's work.....COST, \$1750

ALTERATIONS
(2219) NO. 245 BUSH. Alter for lunch room.
Owner.....White Lunch Co., 122 Kearny, San Francisco.
Architect...Plummer & Fiel, 1059 Market, San Francisco.
Contractor...Ostlund & Johnson, 1901-5 Bryant, San Francisco.

COST, \$1000

FRAME DWELLING
(2220) NW PORTOLA DRIVE AND 15th Ave. Two-story and basement frame dwelling.
Owner.....F. Nelson, 2701 Lincoln Way, San Francisco.

Architect...None.
Day's work.....COST, \$2500

FRAME DWELLING
(2221) N IRVING 70 E 29th Ave. One and one-half-story and basement frame dwelling.
Owner.....F. Nelson, 2701 Lincoln Way, San Francisco.

Architect...None.
Day's work.....COST, \$1000

FRAME DWELLING
(2222) N COTTER 175 W Mission.
One and one-half-story and basement

frame dwelling.
Owner.....Victoria Ballouf, 28 Cotter, San Francisco.
Architect...H. A. Hertenstein, 311 Florida, San Francisco.
Contractor...Joseph Ballouf, 28 Cotter, San Francisco.

COST, \$2000

ALTERATIONS
(2223) SW GEARY AND EIGHTH Ave. Alter store.
Owner.....C. Giese Estate, 1540 9th Ave., Alameda.
Architect...None.
Contractor...Geo. Giese, 4403 Geary, San Francisco.

COST, \$400

ALTERATIONS
(2224) NO. 26 O'FARRELL. Erect partitions on 8th floor.
Owner.....Kohler & Chase, Premises.
Architect...None.
Contractor...Fink & Schindler Co., 228 13th, San Francisco.

COST, \$150

GENERAL CONSTRUCTION
(2225) TWENTIETH bet. Texas and Missouri. General construction for two-story and basement Class "C" school to be known as Daniel Webster School.

Owner.....City & County of San Francisco.

Architect...John Reid Jr., 1 Montgomery, San Francisco.
Contractor...C. L. Wold Co., 75 Sutter, San Francisco.

COST, \$64,579

(2226) ELECTRIC WORK on Daniel Webster School.
Contractor...F. E. Newberry, 163 Sutter, San Francisco.

COST, \$5898

COMPLETE SCHOOL
(2227) SW LARKIN AND PINE. Completion of general construction of 2-story and basement brick and steel school to be known as Redding School.

Owner.....City & County of San Francisco.

Architect...Fred H. Meyer, Bankers' Investment Bldg., S. F.
Contractor...C. L. Wold Co., 75 Sutter, San Francisco.

COST, \$48,300

(2228) ELECTRIC WORK ON ABOVE
Contractor...Globe Elec. Works, 1959 Mission, San Francisco.

COST, \$1609

REPAIRS
(2229) NO. 410 FOERSTER. Repair fire damage.
Owner.....R. Bishop, 400 Foerster, San Francisco.

Architect...None.
Day's work.....COST, \$700

BRICK WORK
(2230) W LEAVENWORTH 77-10 N Sutter N 37-6xW 90-6. Brick work for four-story and basement Class "C" building.

Owner.....Anton Rulfs, 955 Pine, San Francisco.
Architect...Fulch & Knoll, Hearst Bldg., San Francisco.
Contractor...Wm. Heidenreich, 12 Henry, San Francisco.

Filed July 27, '16. Dated June 22, '16.
1st floor joists laid.....\$800

2nd floor joists laid.....800
3rd floor joists laid.....800
Completed and accepted.....840
TOTAL COST, \$4320

Bond, \$2160. Sureties, H. A. Anthony and M. Auerbach. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(2231) MILL WORK ON ABOVE.
Contractor...National Mill & Lumber Co., 5th & Bryant, S. F.
Filed July 27, '16. Dated July 19, '16.
On or before 10th of each month 75%
20 days after.....25%
TOTAL COST, \$3600

Bond none. Limit, without delay. Forfeit, none. Plans and specifications filed.

(2232) STEAM AND HOT WATER heating, plumbing and gas fitting on above.
Contractor...Peterson-James Co., 710 Larkin, San Francisco.

Filed July 27, '16. Dated June 22, '16.
Roughing in done and piping for steam and plumbing in place.....\$1200
Completed and accepted.....1355
Usual 25 days.....855
TOTAL COST, \$3410

Bond, none. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

ELECTRIC WIRING
(2233) POTRERO AVE., bet. 21st and 23rd. Electric wiring for northeast wing of City and County Hospital.
Owner.....City and County of San Francisco.

Architect...John Reid Jr., 1 Montgomery, San Francisco.
Contractor...L. Flatland, 1959 Mission, San Francisco.

COST, \$19,887

FRAME DWELLING
(2234) NE MEDA 25 NW Otsego. One and one-half-story and basement frame dwelling.
Owner.....C. S. Allred, 150 Onondago Ave., San Francisco.

Architect...None.
Day's work.....COST, \$1950

FRAME DWELLING
(2235) NE MEDA AND OTSEGO. One and one-half-story and basement frame dwelling.
Owner.....C. S. Allred, 150 Onondago Ave., San Francisco.

Architect...None.
Day's work.....COST, \$1950

FRAME DWELLING
(2236) N MEDA 175 W Otsego. One and one-half-story and basement frame dwelling.
Owner.....Jas. A. Arnott, 1322 3rd Ave., San Francisco.

Architect...None.
Contractor...Jas. A. Arnott & Son, 517 Noe, San Francisco.

COST, \$1400

FRAME DWELLING
(2237) N MEDA 200 W Otsego. One and one-half-story and basement frame dwelling.
Owner.....Jas. A. Arnott, 1322 3rd Ave., San Francisco.

Architect...None.
Contractor...Jas. A. Arnott & Son, 517 Noe, San Francisco.

COST, \$1400

FRAME FLATS

(2238) W. HOWARD 200 S 18th. Two-story and basement frame (2) flats. Owner.....Mrs. Campbell, Howard near 18th, San Francisco. Architect...W. A. Rich, 20 Montgomery, San Francisco. Contractor...F. H. Cress, 150 Jessie, San Francisco.

COST, \$1250

NOTE:—Work under way.

REPAIRS

(2239) NO. 32 BOYCE. Repair and add to dwelling. Owner.....H. Goldschmidt, Premises. Architect...None. Contractor...J. T. Lorenzen, 156 Hermann, San Francisco.

COST, \$500

ALTERATIONS

(2240) NO. 1348 GROVE. Alter milk depot. Owner.....P. S. Voughin, 2516 Folsom San Francisco. Architect...None. Contractor...Devenenzi Bros., 1069 Union, San Francisco.

COST, \$600

ALTERATIONS

(2241) NOS. 310-312 DIVISADERO. Alter meat market. Owner.....Kerner & Eisert, 107 Montgomery, S. F. Architect...None. Contractor...Thos. J. Sheridan, 1468 Page, San Francisco.

COST, \$500

FRAME SHED

(2242) SW EIGHTH AND HARRISON. One-story frame shed. Owner.....Sugar Pine Lumber Co., 8th and Brannan, S. F. Architect...None. Contractor...J. D. Hannah, 725 Chronicle Bldg., San Francisco.

COST, \$500

REPAIRS

(2243) NO. 36 EDDY. Repair tailor shop. Owner.....H. J. Kurtz, 38 Eddy, S. F. Architect...None. Contractor...The B. Stone Co., 381 10th, San Francisco.

COST, \$100

ALTERATIONS

(2244) E TWENTY-THIRD AVE 50 N. Clement. Alter and add to frame residence. Owner.....M. Mattanovich, Hewes Bldg., San Francisco. Architect...Heffernan & Mattanovich, Hewes Bldg., S. F. Day's work. COST, \$1000

FRAME RESIDENCE

(2245) E NINETEENTH AVE 195 S. Lawton E 120xS 25. All work for two-story frame residence. Owner.....Henry Imhof, 1800 Kirkham, San Francisco. Architect...John F. Reuttler, 1110 Phelan Bldg., S. F. Contractor...Milan Vukicevich, 1412 Taraval, San Francisco. Filed July 28, '16. Dated July 19, '16. Frame up\$375 Roof and rough plaster on..... 275 Completed 375 Balance, \$825, in monthly installments of \$100 per month..... TOTAL COST \$1950

Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(2246) NE UPPER TERRACE AND Clifford 31-10% on Upper Terrace by 79-7% on Clifford. All work except grading, concrete, brick, glazing, plumbing fixtures for frame residence. Owner.....Timothy A. and Agnes M. Reardon, 649 Fell, S. F. Architect...August G. Headman, Call Bldg., San Francisco. Contractor...Geo. D. Gilmour, 1953 Howard, San Francisco. Filed July 28, '16. Dated May 29, '16. Frame up\$1545 Brown coated 1545 Completed and accepted..... 1545 Usual 35 days..... 1647 TOTAL COST, \$6282

Bond, none. Limit, 120 days after June 1, 1916. Forfeit, none. Plans and specifications filed.

NOTE:—First report July 5th; No. 2010

PAINTING, ETC.

(2247) TWENTY-FIRST AVE near I Street, Sunset District. All work for painting, tinting and papering two flats. Owner.....MacArthur Bros., 1560 Fell, San Francisco. Architect...None. Contractor...Alexander Gillmor 3641 Mission, San Francisco. Filed July 27, '16. Dated June 12, '16. Primed and exterior completed.....\$25 Interior completed 90 10 days afterBalance TOTAL COST, \$250

Bond, limit, forfeit, plans and specifications, none.

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

July 24, 1916—NW FOURTEENTH & Folsom N 46 W 111 S to 14th E 106. Cornahrens Co as to improvements on leased property

LEASE.

July 26, 1916—NO. 3801 MISSION. Jno F McGowan to L G Theron. 5 years. \$32.50 per month, etc. July 26, 1916—NW MISSION AND 18th. C W Collett to Michael Scannell and James Riordan as Scannell & Riordan. 2 years. \$2400. July 25, 1916—NO. 1627 CLAY, S line bet. Polk and Larkin. Mrs M Garbini to Emil and Milley Aaron. 2 years. \$660 with option to renew. July 25, 1916—E TENTH AVE 125 N Anza N 25xE 120. Jno Johnson, David Olson and Oscar W Thunberg to Max Blum. 1 year, \$42.50 per month with option to renew.

COMPLETION NOTICES.

San Francisco

RECORDED ACCEPTED July 10, 1916—W PARKER AVE 381 m or 1 N Geary. Henry Cowell Lime & Cement Co to J A Orford and Johnson & Johnson..... July 10, 1916—SE FIFTEENTH AND Dolores S 29xE 100. Jno Schmidt to Christoph Weinrank and L A Hinson July 15, 1916—W FORTY-FIFTH AVE 150 N Judah 25x120. Alexander

and Robt Neil (as Neil Bros) to whom it may concern..... July 15, 1916 July 15, 1916—E THIRTEENTH AVE 50 S Balboa E 95xS 25. Louella and Casper Ellingen to J Johnson July 12, 1916 July 15, 1916—N MEDE AVE 150 E Delano E 25xN 70. Arthur Lindberg to whom it may concern..... July 15, 1916 July 15, 1916—E DIVISADERO 110 S Geary S 52-6xE 100. Anlster & Sons to Whitney & Davies and E S Ralney..... July 12, 1916 July 17, 1916—SE FOURTH & BRANNAN 137-6x275. The John Bollman Co to Flaherty Roofing & Paving Co..... June 30, 1916 July 17, 1916—SE FOURTH & BRANNAN 137-6x275. The John Bollman Co to Pacific Coast Steel Co..... June 30, 1916 July 17, 1916—SE FOURTH & BRANNAN 137-6x275. The John Bollman Co to Sibley Grading & Tearing Co..... June 30, 1916 July 17, 1916—NW NORTH POINT & Larkin W 412-6xN 275. D Ghirardelli Co to Central Iron Works..... July 14, 1916 July 17, 1916—NO. 2832 JACKSON. Bertha Coope to Elling Ellingson July 16, 1916 July 17, 1916—W LARKIN 32-6 N Green W 70xN 78. Isabella M and Helen E Cowell to W McIntosh..... July 17, 1916 July 17, 1916—NE VAN NESS AVE & McAllister 120x109. Hannah de Urioste to Greenback Plastering Co, July 5, 1916; W A Pfeffer and Joseph Michel, July 12, 1916; J Gibbs July 10, 1916 July 17, 1916—NW BUSH & POWELL N 57-6xW 77-6. E J Greenhood and Joseph Cahen to New Era Marble & Concrete Co; Golden Gate Iron Works; Alex Coleman; Frank W Whitney and W T Davies, Sylvain S Weintraub and Jos H Moore, M J & Chas Terranova, Peterson & James, Asher Elec Co, Jacob Barman and Hardwood Interior Co..... July 14, 1916 July 17, 1916—N BUSH 68-9 W Mason W 22-11xN 100. Walter H Sullivan to Collman & Collman..... July 15, 1916 July 17, 1916—N POST 159-9 W Van Ness Ave W 87-6xN 120. The Hecht Invt Co to The Asbestos Protected Metal Co and Barrett & Hilp..... July 13, 1916 July 18, 1916—S SUTTER 115-9 E Powell S 137-6xE 45-6. Pacific Gas & Electric Co to The Tozer Co..... July 10, 1916 July 18, 1916—N SACRAMENTO 85-6 W Pierce 50x95. Robert Dewar to whom it may concern..... July 18, 1916 July 18, 1916—SW CHANNEL AND Third (Kentucky) S to Fourth NW to Channel NE to beg. Southern Pacific Co to The Pay Improvement Co..... July 8, 1916 July 18, 1916—S GREEN 105-6 W Montgomery W 32xS 137-6. D Ferrari to D Fossati..... July 17, 1916 July 18, 1916—N CALIFORNIA 57-7% W Seventh Ave W 25-1% N 93-11% E 25 S 96-4%. Leigh & Schultz to whom it may concern..... July 17, 1916 July 19, 1916—NW SANBOME & BUSH N 137-6xW 67-6. Standard Oil Co to P J Walker Co to H L Hinson, July 15, 1916; Rudgear-Merle Co, July 15, 1916; A P Brady, July 15, 1916. Geo S MacGregor..... July 15, 1916

LIENS FILED

San Francisco

RECORDED	AMOUNT
July 15, 1916—W COLE 25 N Rivoli N 25xW 100. A Seghieri & Bro, Inc vs Owen Hughes and David Condon	.....\$142.75
July 15, 1916—E TENTH AVE 225 S Geary S 25 xE 120. Jos Marshall vs J Eric Johanson and Benj Green	.....\$20
July 17, 1916—W TWENTY-SEVEN- th Ave 171-S S Geary W 120xS 23-4; W 27th Ave 125 S Geary W 120xS 23-4; W 27th Ave 148-4 S Geary W 120xS 23-4. California Steam & Plumbing Supply vs Ben Schloss, and Hofmeister & Bardahl	.....\$332.01
July 17, 1916—N TWENTY-FIFTH 50 E York E 100 N 95 W 50 S 3 W 50 S 95. J S Guerin Co vs Emma R O'Donnell, Segurson Bros and M Bertolino	.....\$95.60
July 17, 1916—N TWENTY-FIFTH 25 E Hampshire W 25xN 73. J S Guerin & Co vs Emma R O'Donnell Segurson Bros & M Bertolino	.....\$95.65
July 17, 1916—W SAN CARLOS AVE 210 N 19th N 20-6xW 80. Eureka Sash, Door & Moulding Mills vs Jno F Haner, Geo A Shayer and Catherine Shayer	.....\$537.14
July 17, 1916—W SAN CARLOS AVE 210 N 19th N 20-6xW 80. Michalek & Albertson vs Jno F Haner	.....\$382.75
July 17, 1916—S FIFTEENTH 25 W Sharon W 75xS 100. R L McQuade vs Charles K Blender and D Storm	.....\$15
July 17, 1916—E SIXTH AVE 100 N Cabrillo N 25x120. R L McQuade vs Elizabeth D Howard and D Storm	.....\$14
July 18, 1916—W SAN CARLOS AVE 210 N 19th N 20-6xW 80. Thomas and James McKee vs John F Haner and George A and Catherine Shayer	.....\$40.46
July 18, 1916—NW EUGENIA AVE & Ellsworth N 25xW 70. George V Nicholls vs H Donohue and Chas Landeck	.....\$34.45
July 19, 1916—S FORTY-FOURTH Ave 175 S Geary S 75x120. M Boomer vs Chas H Kendrick and Finance Realty Co	.....\$69
July 19, 1916—E TWENTY-THIRD Ave 175 S Vincente E 120xS 150. Malott & Peterson vs J J Murray and Carl Ehrhart	.....\$95
July 20, 1916—SW HOLLOWAY AND Lee Ave W 25xS 100. Frank Row- land vs Gertrude I Pehrson	.....\$104.25
July 20, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 NW 45 SW 57-6 NW 47-6 NE 137-6. W P Fuller & Co vs E K Nelson and Ellen M Otto	.....\$280
July 22, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 NW 45 SW 57-6 NW 47-6 NE 137-6. S J Schindler vs Ellen M Otto and E K Nelson	.....\$699.50
July 22, 1916—E FORTY-FOURTH Ave 200 S Geary S 25x120. Red- wood Mfrs. Co vs Finance & Realty Development Co	.....\$335.33
July 22, 1916—E FORTY-FOURTH Ave 225 S Geary S 25x120. Red- wood Mfrs. Co vs Finance & Realty Development Co	.....\$335.33
July 22, 1916—E FORTY-FOURTH Ave 250 S Geary S 25x120. Red- wood Mfrs. Co vs Finance & Realty Development Co	.....\$335.33
July 24, 1916—NW NINETEENTH & Church W 30xN 70. John McInerney	

July 19, 1916—N BUSH 100 W Van Nesa Ave W 50-2xN 120. Laurence A Myers to Macdonald & Kahn.	.....July 19, 1916
July 19, 1916—E NINETEENTH AVE 100 N Clement 25x120. A M Sylvia to whom it may concern.	.....July 18, 1916
July 19, 1916—NE VAN NESS AVE & McAllister 120x109. Hannah de Urioste to Pacific Mfg Co.	.....July 17, '16
July 19, 1916—W DIAMOND 163 N 20th N 50xW 125. Patrick Connell to P Algot Nelson	.....July 15, 1916
July 19, 1916—E NINETEENTH AVE 199-1/4 N California N 25-10 3/4 xE 120. Emma Hanselman to Walter G Voden	.....July 17, 1916
July 19, 1916—N BROADWAY 125 W Broderick N 137-6xW 55. Julia de L Welch to Collman & Collman Co.	.....July 18, 1915
July 20, 1916—E LARKIN 57-6 N ELLIS N 25x65-9. John Schroeder to M J White, E E Gloor et al.	.....July 20, 1916
July 20, 1916—SW JACKSON AND Leavenworth W 62-6xS 48-3. Laura Props to whom it may concern.	.....July 18, 1916
July 20, 1916—N GEARY 109-8 E Cook E 25xN 120. Marie (wf Louis) Arnoux to Gus Thunberg	.....July 18, 1916
July 20, 1916—N SUTTER 181-6 W Powell N 137-6 W 25-4 1/2 S to Sut- ter E 25-8 1/2. Hill Tolerton to Collman & Collman Co.	.....Completed — Collman & Collman.....July 19, 1916
July 20, 1916—E DOLORES 163-8 S 15th 40xE 170. Fred Miller to whom it may concern.	.....July 15, 1916
July 21, 1916—N CLAY 137-6 W Hyde W 30xN 100. Laura M Jordan to I Scribante	.....July 18, 1916
July 21, 1916—NW NINETEENTH & Church W 30xN 70. George S Jr & Lottie M Long to O E Evans & Co	.....July 11, 1916
July 21, 1916—NW TWENTY-4TH & Poplar Alley Frank Saporiti and Tresa or Theresa Benetti to J S McLelland	.....July 11, 1916
July 21, 1916—SW FOLSOM AND 26th W 170 S 150-9 1/2 m or 1 S 86 deg 35 min E 175 m or 1 N 173. Board of Trustees of Cogswell Polytechnical College to Sibley Grading & Teaming Co.	.....July 15, 1916
July 21, 1916—California Granite Co. July 15, 1916 and Herman Safe Co.	.....July 15, 1916
July 21, 1916—W TWENTY-FIRST Ave 200 N Lake N 25xW 120. W J and Rose A Bradley to T E Mohler	.....July 20, 1916
July 21, 1916—S SUTTER 125-9 E Powell S 137-6xE 45-6. Pacific Gas & Electric Co to W P Fuller & Co	.....July 15, 1916
July 21, 1916—S SACRAMENTO 112-6 E Spruce E 52-6xS 132-7 1/2. Geo and Emma F Healing to whom it may concern	.....July 17, 1916
July 21, 1916—E SEVENTEENTH Ave 225 N Balboa N 25xE 120. Michael Costello and Bryan Ferick to whom it may concern.	.....July 20, '16
July 21, 1916—E FORTY-SIXTH AVE 175 S Lincoln Way (H) S 25xE 120. Samuel R Davis to whom it may concern	.....July 21, 1916
July 21, 1916—LOT 18 BLK 9, Forest Hill. Kathryn B Larkins to whom it may concern	.....July 18, 1916
July 22, 1916—W TWENTIETH AVE 100 N Balboa N 25xW 120. Frank Leahy to Thomas Hamill.	.....July 22, '16
July 22, 1916—NW SANSOME AND	
Bush N 137-6xW 67-6. Standard Oil Co by P J Walker, Agent to United States Metal Products Co.	.....July 19, '16
July 22, 1916—N BUSH 68-9 W Grant Ave W 68-9xN 137-6. City Electric Co to G W P Jensen	.....July 19, 1916
July 24, 1916—E EIGHTEENTH AVE 300 N Balboa 25x120. Magdalena Hley to Oscar Lind	.....July 24, 1916
July 24, 1916—E SHRADER 125 N Fell N 25xE 100. Simon Fraser to Schroder Bros	.....July 24, 1916
July 24, 1916—NE ELLIS & MASON E 87-6xN 187-6. Ellis Street Invest Co, Cpn to Vulcan Iron Works	.....July 17, 1916
July 25, 1916—W FOURTEENTH AV 150 N California N 50xW 127-6. John M Peters to whom it may concern	.....July 20, 1916
July 25, 1916—E LEAVENWORTH 109-6 N Vallejo N 28xE 125. Jno H Perlite to Montani & Stefanini	.....July 24, 1916
July 25, 1916—E SEVENTH AVE 120 S Lincoln Way S 25xE 120. Fred- erick R and Marguerite L Stokes to Fred Miller	.....July 15, 1916
July 25, 1916—S ARMY 25-0 1/2 W Bryant W 25-0 1/2 xS 80. Michael McDonough to whom it may con- cern	.....July 25, 1916
July 25, 1916—W ALABAMA 50 S 26th. Gustave Peterson to Sjogren Bros	.....May 1, 1916
July 26, 1916—W DANVERS 145 S Corbett 50x60. F Monson to whom it may concern	.....July 25, 1916
July 26, 1916—E FIFTEENTH AVE 258-7 1/2 N Anza N 24-8 1/2 xE 114. Wilhelmina Bahrs to whom it may concern	.....July 25, 1916
July 26, 1916—N FILBERT 200 W Baker W 25xN 137-6. H Taylor Curtis to W W Rednall	.....July 19, 1916
July 26, 1916—N BUSH 150-2 m or 1 W Van Ness Ave W 87-4 m or 1 x N 120. Laurence A Myers to Mac- donald & Kahn	.....July 26, 1916
July 27, 1916—SE FOURTH AND Brannan 137-6x275. The John Bollman Co to John McGulgan & Co.	.....July 19, 1916
July 27, 1916—Mangrum & Otter, July 17; Otis Elevator Co.	.....July 19, 1916
July 27, 1916—SE MARKET 75 SW Third SW 50xE 100. City Invest- ment Co to McLeran & Peterson	.....July 20, 1916
July 27, 1916—S MARKET & THIRD SW 75xE 170. City Investment Co to Otis Elevator Co	.....July 19, 1916
July 27, 1916—N FULTON 57-4 E Parson (Parkside Ave) also 362-4 E Willard E 29-1 1/2 N 4 deg 12 min 54 sec W 47-10 1/2 N 1 deg 51 min 12 sec W 52-9 1/2 W parallel with Fulton 40-0 1/2 S 100. Bernard Mc- Manus to Philip Rive	.....July 27, 1916
July 28, 1916—W TAYLOR 40 N Sacra- mento N 52-6xW 91-8. Louis D Stoff to Louis D Stoff	.....July 27, 1916
July 28, 1916—W NINTH AVE 100 N Cabrillo N 25xW 120. Phoebe L Torpey to A W Bryant	.....July 28, 1916
July 28, 1916—E NINETEENTH AVE 50 S Balboa S 25xE 95; No. 612 19th Ave. W R Kenny to whom it may concern	.....July 25, 1916
July 28, 1916—E BEALE 137.6 N Mission 91.8x137.6. S S Parsons to Knowles & Mathewson	.....July 28, 1916
July 28, 1916—NW OCTAVIA AND Haight W 137-6xN 120. Union Trust Co as Extr Estate Thos I Bergin, decd, to McSheehy Bros	.....July 28, 1916

F FOUR W WHEEL D DRIVE

Read Owners' Opinions:

Raymond, Cal., April 20, 1916.
Four Wheel Drive Truck Co.,
San Francisco, Cal.
Gentlemen:

Replying to your letter of inquiry asking for a statement regarding the service we are getting from our F-W-D Truck recently purchased from you, beg to advise that the truck is more of a success than I ever thought possible. I am hauling over a road that a 10-horse team can only pull $4\frac{1}{2}$ tons over, and takes five days to make the round trip. The truck makes a round trip in 14 hours, with $3\frac{1}{2}$ to 4 tons.

The whole country for miles around comes down to see the only truck that ever reached Wawona with four tons. The first load was 8,152½ pounds, for which I have a receipt from the Associated Gasoline people. Since then I have been making regular daily trips from Raymond.

The truck has replaced one 10-horse and two 4-horse teams on the road. If the truck continues to perform as well as it does now, there is not another

truck can come near it.

With best wishes, I beg to remain,

Yours very truly,

(Signed) D. A. LEWIS.

St. Paul, Minn., May 16, 1916.
Four Wheel Drive Auto Co.,
Clintonville, Wis.

We have used the F-W-D Truck nearly three years and feel that on rough roads and for hard usage nothing better is made. Truck has fulfilled all requirements and proven very satisfactory.

HAMM BREWING CO.

Four Wheel Drive Auto Co.,
Clintonville, Wis.

Four years' experience with F-W-D Trucks. All give perfect satisfaction. Strongly recommend it over all others. Costs less to operate. Is dependable; most economical. We are operating successfully where W—, P—, and J— trucks failed.

A. W. SHAW.

Four Wheel Drive Truck Co.

Telephone Market 334 343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

vs George S Long Jr and wf Lottie M Long and O E Evans & Co., \$18
 July 24, 1916—SW FREMONT 137-6
 SE Howard SE 92-6 SW 80 NW 45
 SW 57-6 NW 47-6 NE 137-6. Loop
 Lumber Co vs Ellen M Otto, John
 Doe Otto and E K Nelson, \$316.62
 July 24, 1916—SW FREMONT 137-6
 SE Howard SE 92-6 SW 80 NW 45
 SW 57-6 NW 47-6 NE 137-6. Frank
 Morse Spencer (as Spencer Elevator
 Co) vs Ellen M Otto and E K Nel-
 son, \$175
 July 24, 1916—S PINE 68-9 E San-
 some E 34-4 1-12x96. Atlas Mortar
 Co vs Charles Kowal and Postal Real-
 ty Co, \$51.25
 July 25, 1916—SW FREMONT 137-6
 SE Howard SE 92-6 SW 80 NW 45
 SW 57-6 NW 47-6 NE 137-6. M
 Asmus vs Ellen M Otto, E K Nelson
 and S J Schindler, \$222.50
 July 25, 1916—N SACRAMENTO 119-
 2 W Taylor W 27-6xN 120. Inger-
 son & Glaser Co vs Henry Conrad
 and Henry Cailleaud Jr., \$51.76
 July 25, 1916—SW FREMONT 137-6
 SE Howard SE 92-6 SW 80 NW 45
 SW 57-6 NW 47-6 NE 137-6. J S
 Guerin & Co vs Ellen M Otto and E
 K Nelson, \$205.25
 July 25, 1916—SW FREMONT 137-6
 SE Howard SE 92-6 SW 80 NW 45
 SW 57-6 NW 47-6 NE 137-6. Eureka
 Sash, Door & Moulding Mills vs
 Ellen M Otto and E K Nelson, \$466.16
 July 26, 1916—SW FREMONT 137-6
 SE Howard SE 92-6 SW 80 NW 45
 SW 57-6 NW 47-6 NE 137-6. Leon-
 ard Lumber Co, \$73.53; New Era
 Marble & Concrete Co, \$111; Palace
 Hardware Co, \$64.36 vs Ellen M
 Otto and E K Nelson, \$205.25
 July 26, 1916—SW FREMONT 137-6
 SE Howard SE 92-6 SW 80 NW 45
 NW 57-6 NW 47-6 NE 137-6. J
 Picconi vs Ellen M Otto and E K
 Nelson, \$35
 July 26, 1916—NOS. 442-444 TENTH
 Ave E 10th Ave bet Geary & Anza
 35x160 deep and about 270 S of
 Geary. D H Rhodes vs Eric Johan-
 sen, \$135.60
 July 26, 1916—S PINE 68-9 E Sansome
 E 31-4 1/2xS 96. Henry Cowell Lime
 & Cement Co vs Postal Realty Co.,
 \$53.50
 July 27, 1916—NW NAPLES 100 SW
 Russia Ave SW 25xNW 100; Lot 8
 Blk 44, Exel Hd. Douglas Clark
 vs Vincenzo Sarubbi and L C Smith
 \$70
 July 27, 1916—S PINE 68-9 E Sansome
 E 31-4 1/2xS 96. California Artistic
 Metal & Wire Co vs Postal Realty
 Co; D W Carmichael; D L Thorn-
 bury; Hibernia Savings & Loan
 Society and Chas Paff., \$58.50

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on August 5th at 10 a. m. for street improvements authorized under the following resolutions: That portions of north half of the roadway of Durant avenue be graded; concrete curbs and gutters be constructed along the curb lines adjacent to said portions of the roadway; and the remainder of said portions of the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete base 5 inches thick.

STREET IMPROVEMENTS—Cost not stated. Berkeley Alameda Co., Cal.

Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on August 4th for street improvements authorized under the following resolutions: That the south half of concrete culvert 6x6 feet, inside dimensions, and 125 feet long, be constructed in Codornices Creek across Ordway street, and that earth fill be made in said street south of the north boundary line of the city of Berkeley.

RESIDENCE—2 story and base, frame, \$3,850. Oakland, Cal. Architect, none. Owner, H. C. Pfingst, 320 Forest, Oakland. Location, west Glen View south of Warfield. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, S. Carlton, 2023 69th avenue, Oakland. Location, south Wold east of 69th avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 2 story and base, frame, \$3,000 each. Oakland, Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, R. A. McWilliams. Location, Excelsior Heights. Each house will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,400. Oakland, Cal. Architect, none. Owner, A. R. West, 1815 San Pablo avenue, Oakland. Location, southwest 39th and Market streets. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Oakland, Cal. Architect, none. Owners, Wieder and Goldstein, 703 Castro street, Oakland. Location, east Peralta north of Main. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, Louis O. Hanson, 1128 The Alameda. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

WAREHOUSE—1 story, frame, \$1,800. Oakland, Cal. Architect, none. Owners, Barbon Chemical Co., southeast 50th avenue and East 9th street. Location, southeast 50th avenue and East 9th street. Plans complete and work to be done by Day Labor.

SHOP AND GARAGE—1 story, brick and steel. Cost not stated. West Berkeley, Alameda Co., Cal. Architect, City Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Location, Corporation Yards. All bids received for this work have been rejected and revised plans are to be prepared. The City Council has decided to do away with all horses and plans will be revised so as to eliminate the stable.

MILL BUILDING—2 story, frame and concrete, \$10,000. Oakland, Cal. Architect, none. Owners, National Mill and Lumber Co., 5th and Bryant Sts., S. P. Location, north Tidal Canal east of High street. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, B. F. Butler, 333 49th street, Oakland. Location, west Grant south of Delaware. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, G. H. Moore. Location, north Beck west of 73rd. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, P. S. Walsh, 623 41st street, Oakland. Location, south Rich street east of Telegraph. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

STORES—1 story and base, frame, \$2,000. Oakland, Cal. Architects, J. C. and M. L. Newsom, 1746 Broadway, Oakland. Owner, Mr. Pisco. Location, 20th avenue and East 21st street. Will contain three stores. Plans complete and work to be done by Day Labor.

OFFICES—4 or 5 story and base. Class A construction, \$200,000. Oakland, Cal. Architect, C. W. Dickey, Central Bank Bldg., Oakland. Owners, Pacific Gas and Electric Co. Location, 17th and Clay streets. Only preliminary plans have been prepared and the height of the building and other details have not been settled. Further mention of the work will be made.

STORES—1 story and base, brick. Cost not stated. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Produce Companies. Location, Third and Franklin streets. Will contain a large number of stores. Plans complete and figures to be taken at once.

Contracts Awarded

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contracts for street improvements have been awarded as follows: To Clark & Henry Construction Co., Ochser Bldg., Sacramento, that University avenue in the vicinity of 3rd street be graded, concrete curbs be constructed, 2 concrete storm water inlets with cast iron curbs and gratings, and 12-inch, vitrified, ironstone pipe connections with the existing storm sewer in University avenue; a 10-inch, vitrified, ironstone pipe sewer, and that said roadway be paved with brick pavement laid on a 4-inch concrete base.

To Oakland Paving Co., 5000 Broadway, Oakland, that the roadway of Keith avenue from the east line of Hopkins Terrace No. 4, east and north to west boundary line of the city of Berkeley be graded. Combination concrete curbs and gutters be constructed along the curb lines thereof, and that the remainder of the roadway be macadamized and surfaced with oil and rock screenings.

To Oakland Paving Co., that a cement sidewalk 6 feet wide be constructed on the north and south sides of Carlton street, from the east line of San Pablo avenue east to the west curb line of Baker street.

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Am't.
1795	Manacorda	Garello	300
1796	McHough	Knudsen	1400
1797	Carleton	Carleton	1500
1798	Black	Jones	2000
1799	Martin	Martin	100
1800	Carrell	MacGregor	3073
1801	Barbomchem	Owner	1500
1806	Preble	Burnett	2025
1807	Sanders	Pratt	300
1808	Sullivan	Bullock	2300
1810	Hubbard	Lydekson	400
1810	Pfrang	Pfrang	3350
1811	Brown	Taylor	300
1812	Andruss	Kaiferen	300
1813	Shredded Wheat	Stobbe	1120
1815	Baker	Langtry	450
1816	West	West	1100
1817	Weider	Goldstein	2000
1818	Weider	Goldstein	2000
1827	Hubbard	Hubbard	1000
1828	Schultz	Schnebelly	800
1829	National Mill	Owner	10000
1830	Evance	Kohler	500
1831	Walworth	Walworth	900
1832	Nelson	Patrick	1750
1834	Shredded Wheat	Merritt	1200
1835	Albers Mill	Masow	5000
1836	Moore	Moore	500
1837	Maskie	Vaughn	2238
1838	Ala Co. Loan	Owner	300
1839	Walsh	Walsh	250
1840	Marine	Banning	2500
1845	Standard Gas Eng.	Scott	3682

ADDITION

1796	NO. 338 CLIFTON, Oakland.
Owner.....	Augusto Manacorda, Prem.
Architect.....	None.
Contractor.....	P. Garello, 211 51st, Okd.
	COST, \$550

BRICK BUILDINGS

1797	E SIXTEENTH AVE 100 N E-12th, Oakland. Two one-story brick buildings to be used for cleaning works.
Owner.....	Anna McHough and Elinor Ponte, Niles, Cal.
Architect.....	None.
Contractor.....	F. Knudsen, 2145 Harrington, Oakland.
	COST, \$1400

1798	S WELD 250 E 69th Ave., Oakland. One-story 5-room dwelling.
Owner.....	S. Carleton, 2023 69th Ave., Oakland.
Architect.....	None.
Day's work.....	COST, \$1800

ALTERATIONS

1799	NO. 275 VERNON, Oakland. Alter dwelling.
Owner.....	Mrs. H. Spens Black, Prem
Architect.....	None.
Contractor.....	F. G. Jones, 1217 Webster, Oakland.
	COST, \$2000

ADDITION

1799	NO. 1663 SEVENTY-THIRD Ave., Oakland. Addition.
Owner.....	R. Martin, Premises.
Architect.....	None.
Day's work.....	COST, \$400

DWELLING

1800	W HAVENSCOURT BLVD 315 N Arthur Oakland. Two-story 6-room dwelling.
Owner.....	R. H. Caughell, 1803 Addison, Berkeley.
Architect.....	None.
Contractor.....	C. M. MacGregor, 470 13th, Oakland.
	COST, \$3073.50

WAREHOUSE

1801	SE FIFTEETH AVE AND E-Ninth, Oakland. One-story warehouse.
------	--

Owner.....	Barbom Chemical Co., Premises.
Architect.....	None.
Day's work.....	COST, \$1800

REPAIRS

(1806) NOS. 533-535 HOBART, Oakland
All work for fire repairs to two-story
frame building.
Owner.....Fannie C. Preble, Peralta
Apartments, Oakland.
Architect...None.
Contractor...F. L. Burnett, 745 Aileen,
Oakland.

Filed July 24, '16.	Dated July 21, '16.
Roof ready for shingles.....	\$500
Exterior carpenter work completed.....	500
Interior carpenter work and plumbing completed.....	500
Completed.....	525
	TOTAL COST, \$2025

Bond, none. Limit, 60 days. Forfeit, none. Specifications only filed.

ALTERATIONS

(1807)	NW E-TWENTY-FIRST AND 23rd Ave., Oakland. Alterations.
Owner.....	Mrs. H. F. Sanders, 2258 E-21st, Oakland.
Architect.....	None.
Contractor.....	P. Pratt, 2667 Wakefield Ave., Oakland.
	COST, \$500

DWELLING

(1808)	N TWENTY-FIFTH 75 W Grove, Oakland. Two-story 6-room dwelling.
Owner.....	Owen Sullivan 25th and Grove, Oakland.
Architect.....	None.
Contractor.....	O. M. Bullock, Syndicate Bldg., Oakland.
	COST, \$2900

ALTERATIONS

(1809)	NO. 3250 FRUITVALE AVE., Oakland. Alterations.
Owner.....	Joe Ruben, 239 O'Farrell, San Francisco.
Architect.....	None.
Contractor.....	Geo. H. Lydekson, 1244 26th Ave., Oakland.
	COST, \$400

DWELLING

(1810)	W GLEN VIEW 120 S Warfield, Oakland. Two-story 7-room dwelling.
Owner.....	H. C. Pfrang, 320 Forest, Oakland.
Architect.....	None.
Day's work.....	COST, \$3850

ALTERATIONS

(1811)	NO. 480 TENTH, Oakland. Alterations.
Owner.....	V. A. Brown, 321 Vernon, Oakland.
Architect.....	None.
Contractor.....	Taylor & Brown, 1616 Russell, Berkeley.
	COST, \$500

DWELLING

(1812)	E TELEGRAPH AVE 106.86 S 42nd, Oakland. One-story 4-room dwelling.
Owner.....	Clifford J. Andruss, 1st National Bank Bldg., Oakland
Architect.....	None.
Contractor.....	Peter Loifgren, 9703 Scott, Oakland.
	COST, \$800

HOPPER

(1812)	FOURTEENTH AND POPLAR, Oakland. All work for hopper for factory.
--------	--

Owner.....	Pacific Coast Shredded Wheat Company.
Architect.....	None.
Contractor.....	Stobbe & Romak, 374 11th, Oakland.

Filed July 25, '16.	Dated June 30, '16.
Completed.....	75%
Usual 35 days.....	25%
	TOTAL COST, \$1130

Bond, limit, forfeit, plans and specifications, none.

ALTERATIONS

(1815)	SE TWELFTH AND CHESTER, Oakland. Alterations.
Owner.....	Mrs. Baker.
Architect.....	None.
Contractor.....	R. Langtry, 792 22nd, Oakland.
	COST, \$150

DWELLING

(1816)	SW THIRTY-NINTH AND Market, Oakland. One-story 5-room dwelling.
Owner.....	A. R. West, 1815 San Pablo Ave., Oakland.
Architect.....	None.
Day's work.....	COST, \$1400

DWELLING

(1817)	E PERALTA 40 N Main, Oakland. One-story 5-room dwelling.
Owner.....	Weider & Goldstein, 703 Castro, Oakland.
Architect.....	None.
Day's work.....	COST, \$2000

DWELLING

(1818)	NE MAIN AND PERALTA AVE Oakland. One-story 5-room dwlg.
Owner.....	Weider & Goldstein, 703 Castro, Oakland.
Architect.....	None.
Day's work.....	COST, \$2000

ALTERATIONS

(1827)	NO. 917 SIXTIETH, Oakland. Alterations.
Owner.....	Chas. H. Hubbard, 5023 Grove, Oakland.
Architect.....	None.
Day's work.....	COST, \$1000

REPAIRS

(1828)	S HOBART 250 W Telegraph Ave., Oakland. Fire repairs.
Owner.....	A. H. Schultz, 539 Hobart, Oakland.
Architect.....	None.
Contractor.....	Schnebelly, Hostrawser & Pedgrift, 6th & Jackson, Oakland.
	COST, \$860

MILL BUILDING

(1829)	N TIDAL CANAL — E High, Oakland. Two-story mill building.
Owner.....	National Mill & Lumber Co., 5th and Bryant, S. F.
Architect.....	None.
Day's work.....	COST, \$10,000

ADDITION

(1830)	NO. 2739 PIEDMONT AVE., Oakland. Addition.
Owner.....	Perry Evance, Premises.
Architect.....	None.
Contractor.....	Jacob Kohler, 2813 Stuart, Oakland.
	COST, \$500

DWELLING

(1831)	NO. 1751 DELAWARE, Oakland. One-story 4-room dwelling.
Owner.....	S. L. Walworth, 1837 Hearst Ave., Oakland.
Architect.....	None.
Day's work.....	COST, \$900

DWELLING

(1832) W NEILSON 100 S Albany Terrace, Albany. One-story 5-room dwelling.

Owner.....Nelson Security & Investment, 262 Moncada Way, San Francisco.

Architect...None.

Contractor...O. M. Patrick, 2001 Hopkins, Berkeley.

COST, \$1750

AUTOMATIC SPRINKLER

(1834) BETWEEN TWELFTH, FOURTEENTH, Poplar and Union, Oakland. All work for Haddon automatic sprinkler system for factory building.

Owner.....Pacific Coast Shredded Wheat Company.

Architect...None.

Contractor...Merritt Co., Fourth and Virginia Sts., San Jose.

Filed July 27, '16. Dated July 25, '16.

Completed 75%

Usual 35 days..... 25%

TOTAL COST, \$1200

Bond, limit, forfeit, none. Plans and specifications, none.

WAREHOUSE

(1835) KEY ROUTE BASIN, Oakland.

Two-story warehouse.

Architect...Albers Bros. Milling Co., 332 Pine, San Francisco.

Architect...R. M. Henningsen, Security Bank Bldg., Okd.

Contractor...Masow & Morrison, Monadnock Bldg., S. F.

COST, \$50,000

DWELLING

(1836) N BECK 370 W 73rd Ave., Oakland. One-story 4-room dwlg.

Owner.....G. H. Moore.

Architect...None.

Day's work. COST, \$1500

DWELLING

(1837) NO. 4004 PERALTA AVE., Oakland. One-story 5-room dwlg.

Owner.....C. L. Maskie, Premises.

Architect...None.

Contractor...M. C. Vaughn, 5833 Ayala, Oakland.

COST, \$2238

ALTERATIONS

(1838) NO. 1128 TWENTY-SIXTH AVE. Oakland. Alterations.

Owner.....Alameda County Loan Association 16th & Clay, Okd.

Architect...None.

Day's work. COST, \$800

DWELLING

(1839) S RICH 274 E Telegraph Ave., Oakland. One-story 6-room dwelling

Owner.....P. S. Walsh, 623 44th, Okd.

Architect...None.

Day's work. COST, 2500

DWELLING

(1840) N E-TWENTY-FIRST 165 E 5th Ave., Oakland. One-story 6-room dwelling.

Owner.....Bernard L. Maguire, 5th & E-21st, Oakland.

Architect...None.

Contractor...Banning & Stewart, 5215 Broadway, Oakland.

COST, \$2500

BRICK PATTERN SHOP

(1845) KING AND DENNISON, Oakland. All work for two-story brick pattern shop.

Owner.....Standard Gas Engine Co., Premises.

Architect...C. W. Dickey, Central Bk. Bldg., Oakland and J. J. Donovan, Dalziel Bldg., Oakland.

Contractor...G. A. Scott, 685 23rd, Okd.

Filed July 28, '16. Dated July 27, '16.

Completed 75%

Usual 35 days..... 25%

TOTAL COST \$3682

Bond, none. Limit 30 days. Forfeit, none. Plans and specifications filed.

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Amt.
1802	Magnuson	Carlson	1996
1803	Ellis	Rogers	5000
1804	Rose	Birmingham	15000
1814	Gillett	Lawton	1743
1819	McNaughton	Mason	1500
1820	Moncure	Pattinson	400
1821	Metcalf	Sheridan	600
1822	Hanson	Hanson	2000
1833	Moore	Fluth	2000
1841	T & G Club	Butterfield	600
1842	Butler	Butler	2000
1813	De Kay	De Kay	2000

DWELLING

(1802) SE MATHEW AND PARKER, Berkeley. One-story 7-room dwlg.

Owner.....P. A. Magnuson, 937 Apgar, Oakland.

Architect...None.

Contractor...H. Carlson, 1627 Parker, Berkeley.

COST, \$1996

REPAIRS

(1803) W GROVE 100 S 63rd, Berkeley. Fire repairs to three-story 45-room apartments.

Owner.....Chas. P. Ellis, Premises.

Architect...None.

Contractor...J. F. Rogers, 2011 Franklin, Oakland.

COST, \$5000

APARTMENTS

(1804) WOOLSEY AND SHATTUCK, Berkeley. One-story 9-room apartments.

Owner.....Thomas Rose, 3200 Shattuck Ave., Berkeley.

Architect...None.

Contractor...D. Birmingham, 3005 Fulton, Berkeley.

COST, \$1500

ALTERATIONS

(1814) LOT 10 BLK B 1866 Map Berkeley Proper, Berkeley. All work for alterations and additions.

Owner.....Mrs. J. N. Gillett, Berkeley

Architect...None.

Contractor...O. G. Lawton and C. D. Vezey (Lawton & Vezey), 357 12th, Oakland.

Filed July 25, '16. Dated July 24, '16.

½ completed\$650.00

Completed and accepted..... 657.60

Usual 35 days.....Balance

TOTAL COST, \$1743.50

Bond, none. Limit, 5 days. Forfeit, none. Specifications only filed.

DWELLING

(1819) S DELAWARE 70 W Short, Berkeley. One-story 5-room dwlg.

Owner.....W. H. McNaughton, 2328 Fulton, Berkeley.

Architect...None.

Contractor...Mason-McDuffie Co., Shattuck Ave. and Addison, Berkeley.

COST, \$1500

ADDITION

(1820) NO. 42 TUNNEL ROAD, Berkeley. Addition.

Owner.....Kate J. Moncure, Premises.

Architect...None.

Contractor...J. Pattinson, 925 The Alameda, Berkeley.

COST, \$400

ADDITION

(1821) NO. 2225 HEARST AVE., Berkeley. Addition.

Owner.....J. E. Metcalf, Premises.

Architect...None.

Contractor...H. P. Sheridan, 2915 Harper, Berkeley.

COST, \$600

DWELLING

(1822) E BONITA 175 S Rose, Berkeley. One-story 5-room dwelling.

Owner.....Louis O. Hanson, 1128 The Alameda, Berkeley.

Architect...None.

Day's work. COST, \$2000

FRAME APARTMENTS

(1823) DANA near Allston Way, Berkeley. All work for four-story brick and frame student apartments.

Owner.....Mary A. Moore, 2214 Dana, Berkeley.

Designer...Geo. W. Patton, 2126 Emerson, Berkeley.

Contractor...J. H. Fluth, 1608 McGee Ave., Berkeley.

Filed July 27, '16. Dated

Payments not given.....

TOTAL, COST, \$ —

Bond, limit, forfeit, none. Plans and specifications filed.

NOTE—Supplementary plans and specifications to those filed May 16, 1916

ADDITION

(1841) NE DANA AND DWIGHT WAY, Berkeley. Two-story 2-room addition.

Owner.....Town & Gown Club, Prem.

Architect...None.

Contractor...Butterfield & Barker, 2474 Shattuck Ave., Berkeley.

COST, \$600

DWELLING

(1842) W GRANT 105 S Delaware, Berkeley. One-story 5-room dwelling

Owner.....B. F. Butler, 333 49th, Okd.

Architect...None.

Day's work. COST, 2000

DWELLING

(1843) S WOOLSEY 133 W Telegraph Ave., Berkeley. One-story 6-room dwelling.

Owner.....Geo. H. De Kay Jr., 2027 Delaware, Berkeley.

Architect...None.

Contractor...De Kay & Co., 2147 Center, Berkeley.

COST, 2000

Building Contracts Awarded

Alameda

1805	Matiasch	Blom	1755
1823	Hrubanik	Self	500
1824	Brown	Roth	2500
1825	Hrubanik	Self	500
1826	Peñata	Valente	1500

FRAME DWELLING

(1805) N HAIGHT AVE 205 W Fourth W 40xN 135, Alameda. All work for one-story frame dwelling.

Owner.....Anton Matiasch, Alameda.

Architect...None.

Contractor...C. G. Blom and E. Jacobson, Alameda.

Filed July 21, '16. Dated July 22, '16.
 Frame up and roof boarded.....\$128
 Brown coated..... 439
 Completed and accepted..... 429
 Usual 35 days..... 439
TOTAL COST, \$1755
 Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
 (1823) NO. 1361 BROADWAY, Alameda. Alterations.
 Owner.....L. Hrubanik, 2100 Santa Clara Ave., Alameda.
 Architect...None.
 Contractor...L. B. Self, 356 24th, Okd.
COST, \$500

DWELING
 (1824) NO. 2126 LINCOLN AVE., Alameda. One-story 6-room dwelling.
 Owner.....C. H. Brown, 2216 Lincoln Ave., Alameda.
 Architect...None.
 Contractor...C. Roth, 2117 Pacific Ave., Alameda.
COST, \$2500

ALTERATIONS
 (1825) NO. 1366 BROADWAY, Alameda. Alterations.
 Owner.....L. Hrubanik, 2100 Santa Clara Ave., Alameda.
 Architect...None.
 Contractor...L. B. Self, 356 24th, Okd.
COST, \$500

DWELING
 (1826) NO. 926 TAYLOR AVE., Alameda. One-story 3-room dwelling.
 Owner.....L. Pexata, Premises.
 Architect...None.
 Contractor...M. E. Valente, 5382 Vallejio Oakland.
COST, \$1500

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.
 July 18, 1916—E BENVENUE AVE 200 S Woolsey S 0xE 110, Berkeley. Berkeley Bond & Mortgage Co as to improvements on leased property

COMPLETION NOTICES.

ALAMEDA COUNTY.
RECORDED **ACCEPTED**
 July 14, 1916—PTN LOTS 10 AND 11 Blk "N" Map Blks M, N, O, and P of Harmon Tract, Bkly. William J Baker to whom it may concern.....July 1, 1916
 July 14, 1916—NOS. 231-3-5-7 TENTH being Lots 10 and 11 Blk 123 Kellersberger's Map of Oakland. Lazarus Croter to F C Bignami.....July 12, 1916
 July 14, 1916—NOS. 223-5-7-9 TENTH being Lots 12 and 13 Blk 123 Kellersberger's Map of Oakland. W H Shockley to F C Bignami.....July 12, '16
 July 17, 1916—W FIFTH 100 S Holyoke S 27xW 125, Bkly. Laures Warnes to J E Peterson.....July 15, 1916
 July 17, 1916—S HEARST AVE 100 E Grant, Bkly. George S Risher to whom it may concern.....July 17, 1916
 July 18, 1916—LOT 8 BLK "B" Map Edgerly Tract, Okd. J Ed Mitchell to P A Newby.....July 13, 1916
 July 18, 1916—E 30 LOT 3 and W 10 Lot 4 Blk 6 Map Fairview Park, Bkly. Sadie M Hunter to S M Hunter.....July 18, 1916

July 18, 1916—LOT 18 BLK "C" Map Parson's Golden Gate Tract, Okd. Edw B Brodien to F C Rounds.....July 14, 1916
 July 18, 1916—E WALSWORTH AVE 125 N Santa Clara Av N 30xE 126.25 Okd. Minerva F Gillin to whom it may concern.....July 11, 1916
 July 19, 1916—S MARIPOSA AVE 585 W Racine W 40xS 165, Okd. Theresa and Michael Sadlier to E B Daly.....June 28, 1916
 July 19, 1916—LOT 7 BLK 3 Map Arlington Heights, Oakland Tp. Hilda F Mills to G L Hughson.....July 18, 1916
 July 19, 1916—LOT 19 BLK 11 Map Resbdvn Blks 9, 10, 11, 12, 13, 14 and Ptn Blk 16, Rock Ridge Terrace, Okd. E A Drew to E M Reagh and E G Lehnfeldt.....Completed—
 July 20, 1916—LOT 19 BLK 2 Dwight Way Gardens, Bkly. J S Hanson to whom it may concern.....July 14, 1916
 July 20, 1916—NW HASTE & TELEGRAPH AVE W 150 N 135 E 33 S 40 E 117 S 95, Bkly. Sommarstrom Investment Co to whom it may concern.....July 20, 1916
 July 20, 1916—N 10 LOT 13 BLK 8 and N 30 Lots 10, 11 & 12 Blk 8, Northbrae Tract, Oakland Tp. C E Sinclair to whom it may concern.....July 20, 1916
 July 21, 1916—LOT 14 BLK 27, Regents Park Tract No. 6, Albany. Mrs L L Lanning to G B Hollenbeck.....July 18, 1916
 July 21, 1916—E TELEGRAPH AVE 70 N 36th E 110xN 55, Okd. Charles S Booth to J W Eher.....July 20, 1916
 July 22, 1916—LOTS 4 AND 5 BLK 1 Map Martin Kellogg Pty, Bkly. Ralph P Merritt to William Livingston.....July 21, 1916
 July 24, 1916—S HARWOOD AVE 265 E College Ave 40x115, Okd. F R Jordan to whom it may concern.....July 20, 1916
 July 24, 1916—LOT 37 College Court Tract, Okd. F F Morse to F C Stoltz.....June 27, 1916
 July 25, 1916—LOT 24 BLK 3 Revised Map of Rock Ridge Park, Okd. Ralph E Smith to Riddell Bldg Service Corp.....July 20, 1916
 July 25, 1916—E SAN PABLO AVE 77-7 S 29th N 25 E 75 S 22-7, Okd. H C Mjelle to Geo S Streshly and E Kilersten.....July 24, 1916
 July 25, 1916—S 1/2 LOT 23 and Lot 24 Blk 5 Regents Park No. 4, Albany. Jas W Brazier to whom it may concern.....July 22, 1916
 July 25, 1916—LOT 22 BLK "G" Map Huntington Tract, Okd. J P Silva to whom it may concern.....July 25, '16
 July 25, 1916—LOT 1 BLK 1 Thousard and Oaks Heights, being SW Arlington and Nottingham Aves, Oakland Tp. Wm S Wallace to A H Pallen.....July 18, 1916
 July 25, 1916—E ST. CHARLES 710 from San Antonio Ave and furtherly along St. Charles 100 E 100 S to shore line S F Bay E 127 N 502 W 50 S 92-6 W 150, Alameda. Geo A Kernick to Schnchly, Hostrawser & Pedgrift.....July 15, 1916
 July 26, 1916—LOT 268 PLOT 11. Mountain View Cemetery, Oakland Tp. J A Bohn to California Granite Co.....July 20, 1916
 July 26, 1916—LOT 23 BLK 3 Amended Map Thousand Oaks Court, Oakland Tp. Francis S Spring to whom it may concern.....July 25, 1916
 July 26, 1916—N MILES AVE 76.11 W

College Ave W 40xN 56.67, Okd. Miks A C Broderick to P N Winlund.....July 18, 1916
 July 27, 1916—E OAK 110 N Ninth N 30xE 100, Oakland. V N Strang to whom it may concern.....July 27, 1916

LIENS FILED
ALAMEDA COUNTY.
 July 15, 1916—S 112.70 LOT 2 and W 27.04 Lot 3 Map A. J. Snyder's Piedmont Terrace-by-the-Lake, Okd. Oakland Paving Co vs R E Stubbe and Leda Y Stubbe.....\$61.60
 July 15, 1916—E PALA AVE 145.63 N Vernal Ave N 50xE 110, Okd. Standard Fence Co vs R E Stubbe.....\$70.80
 July 15, 1916—S 12.70 LOT 2 and N 27.04 Lot 3 Map A J Snyder's Piedmont Terrace-by-the-Lake, Okd. Pacific Fuel & Building Material Co vs R E and Leda Y Stubbe, G W Comfort and G F Sperow.....\$233.73
 July 15, 1916—S 12.70 LOT 2 and N 27.04 Lot 3 A J Snyder's Piedmont Terrace-by-the-Lake, Okd. Standard Fence Co, \$34.95; Hansen Floor Co, \$30.25; M Friedman & Co, \$29.90 Cavasso Glass Co, \$21.99; Bass-Heuter Paint Co, \$101.05 vs R E and Leda Y Stubbe.....\$457.58
 July 17, 1916—LOT 16 and Ptn Lot 15 Map Shattuck Hotel Tract, Bkly. W P Fuller & Co vs C A Muller.....\$457.58
 July 17, 1916—N FORTY-SIXTH 29 E Market N 100xW 35, Okd. Sunset Lumber Co vs J P Silva.....\$303.25
 July 17, 1916—PTN LOT 2 BLK 1. Amended Map Hopkins Terrace Map No. 4, Bkly. Sunset Lumber Co vs F A McCall and Samuel Clark.....\$506.11
 July 19, 1916—S CALMAR AVE 217 W Paloma Ave W 50xS 151-6, Okd. Norio Cavaglia vs Annie Depaoli and F Depaoli.....\$276.80
 July 20, 1916—S CENTRAL AVE 423-5 W Webster S 752-1 SW to S boundary line of land described in patent made by United States Government to Antonio Mara Peralta W to pt 1 deg 35 min W point beg NE to beg, Alameda. A W Russell vs S Gordon, Henry Clorestofeld, E M McConnell and C L Williams and Surf Beach Amusement Co.....\$95.85
 July 20, 1916—S 12.70 LOT 2 and N 27.04 Lot 3 Map A J Snyder's Piedmont Terrace-by-the-Lake, Okd. G F Sperow vs R E Stubbe.....\$381
 July 20, 1916—LOT 17 BLK 22 Map Northbrae, Bkly. Thiden Lumber Co vs J G and W N Taylor.....\$303.54
 July 20, 1916—SW 15 LOT 24 and NE 45 Lot 25 Blk 14 Blvd Park Tract, Okd. F M Dreishbach vs Vernon N Taft and Sopkia L Taft.....\$408.51
 July 20, 1916—W TWENTY-THIRD Ave 40 from N line E-28th S 40x W 125, Okd. A F Virgil vs E H Strang.....\$21.71
 July 24, 1916—LOT 35 BLK "H" Foot-hill Park, being Nos. 2633-25 63rd Ave, Okd. Eureka Mill & Lumber Co vs Joseph Bauman and A Roust.....\$64.46
 July 25, 1916—PTN LOT 2 BLK 1 Amended Map Hopkins Terrace No. 4, Bkly. S Jorgensen vs F A McCall, Samuel Clark and A Severy.....\$30
 July 25, 1916—LOT 14 BLK 20 Map Northbrae Tract, Bkly. Union

Floor Co vs W N and J G Taylor
 July 26, 1916—S 12.70 LOT 2 N 27.04
 Lot 3 A J Snyder's Piedmont Ter-
 race-by-the-Lake, Okd. John P
 Maxwell (Maxwell Hardware Co.)
 vs R E Stubbe\$57.32
 July 27, 1916—S CENTRAL AVE 423-
 5 W Webster E 752-1 S 1 deg 35
 min W to boundary line of patent
 made by U. S. to Antonio Maria
 Peralta W to pt 1 deg 35 min W pt
 beg N 1 deg 35 min E to pt beg,
 Ala. B W Ariss vs Surf Beach
 Amusement Co and A T Spence.....\$325
 July 28, 1916—LOT 35 BLK "H" Foot-
 hill Park Tract; being Nos. 2633-35
 63rd Ave., Okd. Spott Bros vs
 Joseph Baumann and A Roust.\$44.37
 July 28, 1916—LOT 14 BLK 20 Map
 Northbrae, being No. 1607 Sonoma
 Ave., Albany. Spott Bros vs J G
 and W N Taylor.....\$35
 July 28, 1916—PTN LOT 2 BLK 1,
 Amended Map Hopkins Terrace No.
 4, Bkly. Bay Elec Co vs F A Mc-
 Call and Samuel Clark.....\$58.80
 July 28 1916—LOT 18 MAP NO. 2,
 Wm M Butter's Tract Okd. C H
 Page vs Daniel F Gordon.....\$90

SAN JOSE AND THE SANTA CLARA

HIGHWAY IMPROVEMENT—Cost
 not stated. San Jose, Santa Clara Co.,
 Cal. Engineer, County Surveyor, San
 Jose, Owners, Santa Clara County. At
 the last meeting of the County Super-
 visors plans and specifications for the
 improvement of San Martin avenue
 in Supervisor District No. 1, in Santa
 Clara County, presented by the County
 Surveyor, were approved, and the
 Clerk directed to advertise for bids for
 the same, to be opened August 21st at
 11 o'clock a. m. The County Surveyor
 reports that plans and specifications
 for the improvement of Lincoln ave-
 nue will be presented at the next meet-
 ing of the Board for its adoption.
 Plans may be had from the County
 Clerk.

RESIDENCE—2 story and base,
 reinforced concrete, \$60,000. Saratoga,
 Santa Clara Co., Cal. Architect, Willis
 Polk, Hobart Bldg., S. F. Owner,
 Charles D. Blaney. Designed for a
 country home and will contain four-
 teen rooms, several baths and sleeping
 porches. A number of out-buildings,
 stables and garage will also be erected.
 Plans being prepared.

EXCHANGE BUILDING—1 story and
 base, reinforced concrete, \$15,000. Hills-
 borough, San Mateo Co., Cal. Archi-
 tects, Howard & White, Lick Bldg., S.
 F. Owners, Pacific Telephone and Tel-
 egraph Co. Will contain the company
 offices and exchange. Plans being pre-
 pared.

STREET IMPROVEMENTS—Cost not
 stated. South San Francisco, San Ma-
 teo Co., Cal. Engineer, City Engineer,
 South San Francisco, Owners, South
 San Francisco. Bids will be opened on
 August 7th for street improvements
 authorized under the following resolu-
 tion: That the following streets and
 avenues be improved by grading, com-
 bination concrete curbs and concrete
 gutters and concrete sidewalks be
 constructed; an asphaltic concrete
 pavement consisting of a concrete base
 4 inches thick and an asphaltic con-
 crete wearing surface 1½ inches thick;
 storm water sewers, together with all
 laterals, catch basins and manholes
 and appurtenances, be constructed of
 vitrified, salt-glazed sewer pipe, and

4-inch, vitrified, salt-glazed, ironstone
 pipe lateral sewers with Y's.

Contracts Awarded

SCHOOL—1 story and base. Class C
 construction, \$21,000. Palo Alto, Santa
 Clara Co., Cal. Architect, John J. Don-
 ovan, Dalziel Bldg., Oakland. Owners,
 Stanford School District. Contractor,
 Robert Glaze, Humboldt Bank Bldg.,
 S. F. Contract price, \$21,000.

STREET IMPROVEMENTS—\$14,-
 243.97. Santa Cruz, Santa Cruz Co.,
 Cal. Engineer, City Engineer, Santa
 Cruz. Owners, City of Santa Cruz. Con-
 tractor, W. E. Miller, Santa Cruz. Con-
 tract price, \$14,243.97.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME RESIDENCE

THE WILLOWS, near San Jose. All
 work for two-story frame and
 plaster residence.

Owner.....C. S. Allen, Palm Haven,
 San Jose.

Architect...F. D. Wolfe, Bank of
 Italy Bldg., San Jose.

Contractor..R. C. Herschbach, Plaza
 Drive, Palm Haven, S. J.

Filed July 24, '16. Dated July 22, '16.

Frame up, sheathing on roof.....\$1243.75

1st coat plaster on.....1243.75

Job accepted.....1243.75

Usual 35 days.....1243.75

TOTAL COST, \$1497.50

Bond, \$2437.50. Sureties, T. E. Hubbard
 and P. F. Boes. Limit, 100 days from
 filing. Forfeit, \$5 per day. Plans and
 specifications filed.

FLOOR OF ARCADE

LELAND STANFORD JR. UNIVER-
 sity Campus, Palo Alto. All work for
 re-building floor of arcade.

Owner.....Stanford University Trus-
 tees, Palo Alto.

Architect...Hunter & Hudson, Rialto
 Bldg., San Francisco.

Contractor..Taylor & Goerick, 22 Bat-
 tery, San Francisco.

Filed July 24, '16. Dated July 19, '16.

Payments each month of.....75%

Usual 35 days.....25%

TOTAL COST, \$4121 + 10% profit to
 contractor.

Bond, \$2060.50. Surety, Massachusetts
 Bonding & Insurance Co. Limit, 45
 days from date. Forfeit, none. Plans
 and specifications filed.

RESIDENCE

STANFORD CAMPUS, Palo Alto. All
 work for one-story residence.

Owner.....Stanford University.

Architect...None.

Contractor..Anton Jensen.

Filed July 19, '16. Dated July 12, '16.

On 1st of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$2465

Bond, \$1233. Sureties, W. P. Gray and
 A. Sonnicksen. Limit, 100 days from
 date. Forfeit, \$50 per day. Plans and
 specifications filed.

CONCRETE STORE BUILDING

MAIN, bet. Franklin and Benton Sts.,
 Santa Clara. All work for one-story
 concrete store building.

Owner.....W. J. Curtner, 185 S-16th
 St., San Jose.

Architect...Wm. E. Higgins, 1210 Jef-
 ferson St., Santa Clara.

Contractor..R. O. Summers, 17 N-Fir-
 st St., San Jose.

Filed July 18, '16. Dated July 14, '16.

Payments each month of.....75%

Usual 35 days.....25%

TOTAL COST, \$3063

Bond, \$1535. Sureties, J. H. Pierce and
 G. S. Parkinson. Limit, 90 days from
 date. Forfeit, none. Plans and spec-
 ifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

CONCRETE BRIDGE

ST. MATTHEW'S RED CROSS HOSPI-
 tal Grounds, Second Ave and El
 Camino Real, San Mateo. All work
 for concrete bridge across creek.

Owner.....St. Matthew's Red Cross
 Hospital, San Mateo.

Architect...Lewis P. Hobart, Crocker
 Bldg., San Francisco.

Contractor..Jos. S. Bogart, Mills Bldg.,
 San Francisco.

Filed July 24, '16. Dated July 18, '16.

Monthly payments of.....75%

Usual 35 days.....25%

TOTAL COST, \$1850

Bond, none. Limit, Sept. 18, 1916. For-
 feit, none. Plans and specifications
 filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED

July 13, 1916—STANFORD CAMPUS,
 Palo Alto. Stanford University to
 E A Hettinger.....July 7, 1916

July 14, 1916—LOT 4 BLK 1, Acacia
 Park Tract, San Jose, A F Ryan
 to G E Baggott.....July 14, 1916

July 14, 1916—TERRAIN & DEVINE
 Sts., San Jose. Wm I Geoffroy to
 H P Ledyard.....July 8, 1916

LIENS FILED

SANTA CLARA COUNTY.

RECORDED AMOUNT

July 14, 1916—DUNLOP RANCH, D
 J Lawn, \$138.93; C H Knapp,
 \$227.05; Hill-Hammond Lumber Co.
 \$540.62 vs Elmer J & W K Dunlap

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED

July 20, 1916—LAUREL TERRACE,
 Redwood City. Emile Servau to
 J H La Croix.....July 14, 1916

July 21, 1916—GRAND AVE Extension
 South San Francisco (street work).
 South San Francisco Land & Imp.
 Co to F R Ritchie & Co.....

.....July 15, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES

HOSPITAL COTTAGE—1 story,
 frame and concrete, \$12,840. Napa,
 Napa Co., Cal. Architect, State Archi-
 tect George B. McDougall, Sacramento.
 Owners, State of California. L. G. Ber-
 gren & Son, Call-Post Bldg., S. F., sub-
 mitted the lowest figure for this work
 and will be awarded the contract. A
 complete list of the bids received will
 be found under the heading of Marin,
 Contra Costa and Sonoma Counties in
 this issue.

BRIDGE—Reinforced concrete. Cost
 not stated. Fairfield, Solano Co., Cal.
 Engineer, County Surveyor, Fairfield.

Owners, Solano County. Bids will be opened on August 7th at 11 a. m. for the construction of a 40-foot reinforced concrete bridge across Alamo Creek, on road No. 125, at the Northcutt and Keithly ranches, about one mile east of Elmira, Road District No. 5.

HIGHWAY CONSTRUCTION—Costs as follows. Martinez, Contra Costa Co., Cal. Engineer, county Surveyor, Martinez. Owners, Contra Costa County. Bids were opened by the Contra Costa County Board of Supervisors for furnishing of materials and labor and grading and preparing the sub-grade building bridges and culverts, excavating for bridges and culverts and building road with a concrete base on Division No. 3 of the County Highway from Bryon to the county boundary line, a distance of 8.14 miles; and for furnishing of materials and labor and grading and preparing the sub-grade, building bridges and culverts, excavating for bridges and culverts and building road with a concrete base on Division No. 4 from Antioch to Pittsburg, a distance of 3.49 miles. Both contracts were awarded to O'Brien Bros., Main street, Martinez, on their bids of \$95,705.86 for Division No. 3, and \$53,540 for Division No. 4. Following is a complete list of the bids received:

Division No. 3—O'Brien Bros., Martinez, \$95,705.86; Eaton & Smith, San Francisco, \$105,255.56; C. H. & A. W. Gorrell, San Francisco, \$112,967.15; City Street Improvement Co., San Francisco, \$115,532.49.

Division No. 4—O'Brien Bros., Martinez, \$53,540; Baker & Martin, San Francisco, \$57,948; Whitlock & Gorrell, San Francisco, \$59,185; C. B. Cowden, San Francisco, \$59,515; Eaton & Smith, San Francisco, \$60,181; Macrae & Layaz San Francisco \$61,466; Blake Bros. Co., Oakland, \$61,685; W. Price, San Francisco, \$62,395; C. H. & A. W. Gorrell, San Francisco, \$63,610; City Street Improvement Co., San Francisco, \$66,308.90.

MACHINE SHOP—Mare Island, Cal. The Bureau of Yards and Docks has approved plans and specifications for the Krupp type of machine shop to be erected at Mare Island according to word received by the officials there. The plans call for a building over 60 feet high and will be equipped with two 80-ton and two 15-ton traveling cranes. The structure will be an addition to the present shop building known as No. 1, and will cost in the neighborhood of \$81,000. This amount is available.

RESIDENCES—5, 1 story and base, frame, \$2,000 to \$2,500. Mt. Diablo, Contra Costa Co., Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner's name withheld. Each house will contain five rooms, bath and sleeping porch. Plans being prepared and when complete work will be done by Day Labor.

RESIDENCES—5, 1 story and base, frame, \$2,000 each. Giant, Contra Costa Co., Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner's name withheld. Each house will contain five rooms, bath and sleeping porch. Plans being prepared and when complete work to be done by Day Labor.

HOTEL—3 story and base, frame. Cost not stated. Giant, Contra Costa Co., Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland.

Owners name withheld. Will contain lobby and fifty rooms. Plans being prepared.

SEPTIC TANK—Cost, not stated. Healdsburg, Sonoma Co., Cal. Engineer, City Engineer, Healdsburg, Owners, City of Healdsburg. The city of Healdsburg will build septic tanks for its sewer system. The Town Trustees have advertised for bids, but only one contractor submitted figures on the work, and his bid was rejected at the Board's last meeting, it was decided to construct three tanks.

STORES AND LOFTS—1 story, frame, \$19,000. Richmond, Contra Costa Co., Cal. Architect, James T. Nabett, 704 Macdonald avenue, Richmond. Owner, Mrs. Bucking. Location, 6th and Macdonald avenue. Will contain stores and lofts. Plans being prepared.

STORE ADDITION—Brick. Cost not stated. Pittsburg, Contra Costa Co., Cal. Architect's name not given. Owner, P. Scott, Pittsburg. Bids will now be received on the construction of a second story on the building occupied by the Modern Pharmacy at the southwest corner of Railroad avenue and Third street, Pittsburg, and contractors desiring this work may obtain full particulars by applying to the owner of the property, P. Scott, Pittsburg, Cal.

Bids Received For Work At Napa.

All Bids For One-story Home For
Working Men Referred to State
Architect For Consideration.

(By Special Wire)

SACRAMENTO, Cal., July 28th, 1916 —L. G. Bergren & Son, Call-Post Bldg., San Francisco, presented the low bid at \$12,840 for the construction of a one story frame and concrete home for working men to be erected at the State Hospital at Napa. All bids were referred to the State Architect. Following is a complete list of the bids as opened:

Home For Working Men	
L. G. Bergren & Son.....	\$12,840
Frank Robinson	13,306
Geo. W. Boston & Son.....	13,322
Welch Bros. & Hannaman.....	13,847
Harvey A. Klyce.....	13,986
Kerr & McLean.....	13,995
Anderson & Ringrose.....	14,210
Pringle & Dunn	14,245
M. P. Mortenson.....	14,500
Butterfield & Barker.....	15,174

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

MANUAL TRAINING BLDG.
ALHAMBRA SCHOOL DISTRICT.
Contra Costa Co. Manual training building.

Owner.....Alhambra School District.
Architect.....None.
Contractor.....A. W. Potter.

COST, \$2200

ADDITION
TENTH AND BISSELL, Richmond.
General construction for one-story frame and plaster addition to Tenth Street School.
Owner.....Richmond School Board.

Architect.....J. B. Ogborn, 464 13th St., Richmond.

Contractor.....Carl Overaa, 1808 Roosevelt Ave., Richmond.
COST, \$16,377

HEATING ON ABOVE

Contractor.....J. C. Hurley, 509 6th, S. E.
COST, \$2893

RELEASE OF LIENS.

MAHIN COUNTY.

RECORDED AMOUNT
July 20, 1916—SAUSALITO. R De
Luca to Sylvester Pearl.....\$209

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

HIGHWAY IMPROVEMENT—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on August 8th at 2 p. m. for grading, paving and construction of culverts on Division 9, Section 7, Bakersfield-Glennville road, being that portion beginning at the end of the pavement on Section 6, thence east 1.78 miles, following the present county road.

HIGHWAY CONSTRUCTION—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Bids will be opened on August 15th at 2:30 p. m. for the construction of a concrete road on McHenry avenue from the center line of Stoddard avenue northerly to the north boundary limits of the city of Modesto.

IRRIGATION PROJECT—\$1,200,000. Lindsay, Tulare Co., Cal. Engineer, Stephen E. Kieffer, 57 Post street, S. F. Owners, Lindsay-Strathmore Irrigation District. Bids will be opened on August 14th at noon for the construction of irrigation works for the Lindsay-Strathmore Irrigation District. The work to be done embraces the construction of 37 wells and well pumping plants, 9 miles of banded wood stave pipe, 3 3/4 miles 60-inch reinforced concrete pipe or 6 1/2 miles of 48-inch continuous stave redwood pipe, 12 miles to concrete lined ditch, 85 miles riveted steel pressure pipe or reinforced concrete pipe, and two high-head pumping plants, with an aggregate of 2,250 H. P. in motors direct connected to centrifugal pumps. The maximum time allowed for the completion of the entire work is June 1, 1917.

SCHOOL—1 story, brick and frame. Cost not stated. Visalia, Tulare Co., Cal. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, City of Visalia. Will contain four class rooms. Plans nearly complete and figures to be called for shortly.

BRIDGE—Timber. Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Surveyor Ventura. Owners, Ventura County. Bids will be received by the Board of Supervisors up to 2 p. m. of September 8 1916, for the construction of Aliso Canyon bridge near Fitzpatrick's place on the Willoughby road. The work consists of one timber bridge 64 feet long, and involves the following approximate quantities: 9, 500 feet B. M., Oregon pine lumber; 6, 700 feet B. M., redwood timber; 1,450 pounds steel and iron; 515 cubic yards earth fill; 176 lineal feet guard fence.

HIGHWAY CONSTRUCTION—Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Bids will be received by the Board of Supervisors up to 11 a. m. of August 5th, for grading and paving with concrete 4 inches thick and 16 feet wide, Division 7, Santa Clara River to Somis road, on the state highway, a distance of 8.77 miles, in accordance with plans and specifications on file in the office of the Board, and at the office of the County Highway Commission and obtainable upon deposit of \$3. The approximate quantities are: 17,500 cubic yards excavation, including borrow; 46,300 linear feet shaping and rolling road bed; 9,200 cubic yards Class B concrete (pavement aprons and cut-off walls without forms); 230 cubic yards Class B concrete (bridges, culverts, and walls and catch basins); 156 linear feet 18-inch corrugated iron pipe in culverts; 90 linear feet 24-inch pipe; 30 linear feet 36-inch pipe; relaying 110 linear feet of 12 to 24-inch corrugated iron pipe; 15,000 pounds reinforcing steel. Certified check for 5 per cent must accompany each bid. J. B. McCloskey is the County Clerk.

SCHOOL ADDITION—1 story, frame. Cost not stated. Firebaugh, Fresno Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Firebaugh School District. Will contain two class rooms. Plans nearly complete and figures to be called for at once.

SCHOOL—1 story and base, frame. Cost not stated. Lemoore, Kings Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Lemoore School District. Will contain one class room. Plans complete and figures to be opened on August 3rd.

SCHOOL—1 story and base, brick. Cost not stated. Visalia, Tulare Co., Cal. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, City of Visalia. Will contain four class rooms and an auditorium. Plans complete and figures being taken. Bids open on August 5th.

SCHOOL—1 story and base, brick, \$25,000. Orosi, Tulare Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Orosi Union High School District. Will cover an area of 40 by 210 feet and contain four class rooms and repartments for manual training and domestic science. Plans nearly complete and figures to be called for within two weeks.

JAIL—1 story and base, Class A construction. Cost not stated. Visalia, Tulare Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Tulare County. Will cover an area of 30 by 75 feet with a wing 40 by 30 feet. Plans being prepared.

JAIL CELLS, ETC.—Cost not stated. Bakersfield, Kern Co., Cal. Architect, none. Owners, Kern County. Bids will be opened on August 10th for jail cells and special jail equipment.

HOTEL AND STORES—4 story and base, Class A construction. Cost not stated. Visalia, Tulare Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owner, J. Sub Johnson. Location, Main and Church streets, covering an area of 115 by 100 feet. Will contain stores on first floor and a total of 120 rooms. Plans ready for figures in two weeks.

BUILDING AND ENGINEERING NEWS

GAS PLANT EXTENSION—\$46,490.95. Visalia, Tulare Co., Cal. Engineer's name not given. Owners, Central California Gas Co. The Central California Gas Co. is preparing to expend about \$46,490.95 in additions to the company's gas system. The proposed additions are: Generator, Visalia, \$5,830; services, general, \$9,672.45; trunk line, Visalia, \$6,260; covering compression tanks, Visalia, \$107; covering steam lines, Visalia, \$385; compressor, Porterville, \$731; holder at Porterville, \$11,556; compressor No. 5, Visalia, \$3,685; main extensions, \$8,064.

Contracts Awarded.
BRIDGE—Reinforced concrete \$2,185. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractor, S. G. Smartt, Bakersfield. Contract price, \$2,185.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOT 2 BLK 18, Alta Vista Tract, Fresno. Dwelling and garage.
Owner.....Ray Duncan, 304 Abby St., Fresno.

Architect.....None.
Contractor.....A. Nicholson, 1527 K St., Fresno.
COST, \$4200

STORE

LOTS 17 AND 18 BLK 153, Fresno. All work for store.

Owner.....W. A. Moore, Orange Ave nr. Ventura St., Fresno.
Architect.....None.
Contractor.....S. L. Allen, 3404 Elmorte St., Fresno.
COST, \$1200

DRILLING WELL

SEC 2 19-15, Fresno. All work for drilling well No. 6.
Owner.....Imperial Oil Co.
Architect.....None.
Contractor.....Federal Drilling Co.
Filed July 22, '16. Dated July 18, '16.

On 10th of each month..... 50%
Usual 35 days.....Balance
TOTAL COST, per foot, drilled and casing set, \$4.00.
Bond limit, forfeit, plans and specifications, none.

GARAGE

LOTS 7 TO 10 BLK 180, Fresno. Garage.
Owner.....San Joaquin Baking Co., San Benito and P Sts., Fresno.
Architect.....None.
Contractor.....R. Felchlin, Rowell Bldg., Fresno.
COST, \$2000

SMOKE STACK, ETC.

LOT 28 TO 32 BLK 50, Fresno. All work for smoke stack and breeching.
Owner.....Pacific Gas & Electric Co., J and Tuolumne Sts., Fresno.

Architect.....None.
Contractor.....Western Pipe & Steel Co., 1035 Fresno St., Fresno.
Filed July 26, '16. Dated July 20, '16.
When completed 75%
Usual 35 days.....Balance
TOTAL COST, \$1147
Bond, \$600. Surety, Guardian Casualty & Guaranty Co. Limit, 6 weeks. Forfeit, none. Plans and specifications filed.

Wednesday, August 2, 1916.

LIENS FILED

FRESNO COUNTY.

RECORDED **AMOUNT**
July 22, 1916—LOT 25 Maple Park, Fresno. A G Gunderson \$167; Lewis Elec Co, \$31 vs Kenneth J Stanford and Lee R Duncan.....

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED **ACCEPTED**
July 25, 1916—LOT 4 BLK "C" Wolters Col. Wolters School District to whom it may concern.....
..... July 25, 1916
July 25, 1916—LOTS 30, 31 AND 32 Blk 33 East Fresno. A E Cochrane to whom it may concern. July 25, 1916
July 25, 1916—LOTS 24 AND 25 BLK 58, East Fresno Tract, Fresno. Shepherd-Cochrane Co to whom it may concern..... July 25, 1916
July 25, 1916—LOTS 25 AND 26 BLKS 57, East Fresno Tract, Fresno. Shepherd-Cochrane Co to whom it may concern..... July 25, 1916
July 24, 1916—LOTS 11 TO 20 BLK 1, Lots 1 to 10, 20 Blk 2, St. Francis Wood, Fresno. S W Dietrich to whom it may concern. July 22, 1916
July 25, 1916—LOTS 15-16 BLK 2 Claremont Park. D C Bartholomew to whom it may concern. July 24, 1916

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGE—Reinforced concrete. Cost not stated. San Andreas, Calaveras Co., Cal. Engineer, County Surveyor, S. Andreas. Owners, Calaveras County. Bids will be opened on August 14th at 2 p. m. for furnishing all material and labor for the construction complete of a reinforced concrete bridge over the North Fork of the Calaveras River on the line of the State Highway between the towns of San Andreas and Valley Springs in Calaveras County, Cal., about two miles below the town of San Andreas and about three-quarters of a mile down stream from the present wooden bridge.

BRIDGE—Reinforced concrete. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Plans and specifications have been approved for the construction of a wooden bridge over Mill Creek, in Road District No. 4, and the Clerk of the County Supervisors was instructed to advertise for bids for its construction up to August 8th at 10 a. m. Plans may be had from the County Clerk.

STREET PAVING—\$39,349.80. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. At the last meeting of the City Council sealed proposals for street work in the Salfield addition were called. Bids are to be opened on August 8th for the work, which will be done on Sonoma, Mendocino, Mariposa and Monterey streets from El Dorado street to California, and on Hunter, San Joaquin and Sutter streets from Sonoma avenue to a line running through the center of Section 18 of Captain Weber's grant. Asphalt macadam paving is provided for as well as concrete curbs, gutters and sidewalks.

CULVERTS AND ROAD CONSTRUCTION—Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. County Surveyor W. F. Lunning at the last meeting of the Tehama County Supervisors was instructed to prepare plans and specifications for the construction of a concrete culvert across a slough east of the Salt Creek bridge on the Belle Mill and Antelope road. Plans were also ordered for the construction of three-fourths of a mile rock crushed road in the mantion road near the Leand Patterson place. Bids on the improvements will be called on acceptance of the plans.

RESIDENCE—1 story and base, frame, \$2,500. Sacramento, Cal. Architect, none. Owner, W. D. McKay. Location, Maple Park. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOL—1 story and base, frame and plaster. Cost not stated. Lakesport, Lake Co., Cal. Architects, Morrow & Garren, Chronicle Bldg., S. F. Owners, Town of Lakesport. Will contain four class rooms and an auditorium. Plans complete and figures being taken.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on August 5th at 11 a. m. for street improvements authorized under the following resolutions: That the alley between B street and C street, from 12th street to 15th street, be improved by constructing 1 concrete catch basin complete, 560 linear feet of concrete curb wall; 8 linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catch basin to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 2 inches thick and a sheet asphalt wearing surface 1½ inches thick.

That the alley between E street and F street, from 12th to 13th street, be improved by constructing 2 concrete catch basins complete, placing 12 linear feet of 8-inch vitrified, ironstone sewer pipe drains connecting catch basins to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick.

That the alley between I and J Sts., from 13th to 14th street, be improved by constructing a concrete retaining wall on both sides of the alley from the east line of 13th street to the west line of 14th street; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Plans and specifications may be had from City Clerk M. J. Desmond.

LODGE HALL AND STORES—4 story and base, reinforced concrete, \$150,000. Sacramento, Cal. Architect, Washington J. Miller, 417 Market street, S. F. Owners, Sacramento Parlor Native Sons. Location, 11th and J streets, covering an area of 160 by 100 feet. Stores on first floor, auditorium and lodge rooms on second and third floors and offices on fourth floor. Plans complete and figures being taken from selected contractors.

PIERCE-BOSQUIT Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

Contracts Awarded.

BRIDGE—Reinforced concrete, \$9,830. Placerville, El Dorado Co., Cal. Engineer, County Surveyor, Placerville. Owners, El Dorado County. Contractors, Jenkins & Wells, 3530 Y street, Sacramento. Contract price, \$9,830.

BRIDGE—Reinforced concrete. Cost not stated. Lincoln, Placer Co., Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. Contractor, M. Blumenkranz, Sacramento. Contract price not stated.

STREET AND SEWER CONSTRUCTION—Cost as follows. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. The following bids were received by the City Council for curbing and paving of the central and southern roads of Bienvenido Park: Gaskell Foley, a new firm, were the lowest bidders, their offer being \$7,747.84. Other bidders were A. B. Munson & Son, \$7,998.38; Fank C. McIntire, \$8,462.33; the Highway Surfacing Co., \$8,899.89. The City Engineer's estimate for the work was \$8,164.64. Only two firms submitted proposals for the storm sewer work to be done on Edison, Harrison, Lincoln, Jefferson, Jackson and South streets and the French Camp Turnpike. Both were higher than the estimate of the City Engineer, but he thought them reasonable because of the difficult nature of the work. W. S. Gause, 15 Park Way, Oakland, had the lowest bid, \$6,093.33, while W. F. Edwards submitted the other proposal, \$6,477.69. The Engineer's estimate was \$5,749.35. The contract was awarded to the lowest bidder in each case.

ADDITION TO DAM—Reinforced concrete \$250,000. Lake Spaulding, Cal. Engineering Department Pacific Gas and Electric Co. Owners, Pacific Gas and Electric Co. Contractors, Twoby Bros., Hobart Bldg., S. F. Contract price, \$250,000.

STREET PAVING—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commissioners have awarded a contract to the McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento, for the following work: That 2rd street, from the south line of Q street to the north line of T street, be improved by grading the roadway and constructing thereon an asphaltic macadam pave-



LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Finehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa. Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train
service between Bay Cities
and points in the Sacramento Valley.

Thru beautiful Redwood
Canyon and Mt. Diablo
country.

Write for illustrated folder
and time table.

Oakland, Antioch & Eastern Railway

L. H. RODEBAUGH
Traffic Manager
Oakland - Cal.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker,
2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing;
Telephone Oakland 3735.

ment, consisting of a hydraulic concrete foundation 4 inches thick at the gutter and running to 5 inches thick, and an asphaltic macadam wearing surface 1½ inches thick; reconstructing 4 concrete manholes and 1 concrete catch basin.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

BUILDING

N ½ OF E ½ LOT 2, G, H, 7th and 8th Sts., Sacramento. Dwelling.
Owner.....Y. F. and L. Gunn, 713 H St., Sacramento.
Architect...None.
Contractor...W. R. Saunders, 2810 I St., Sacramento.
Filed July 20, '16. Dated July 18, '16.
COST, \$5235

ALTERATIONS

SW TENTH AND K STS, Blk K, L, 9th and 10th Sts., Sacramento. Certain work for alterations and additions to Hotel Land.
Owner.....Nettie E. Evans.
Architect...E. C. Hennings, 1023 J St., Sacramento.
Contractor...A. Knowles, Call Bldg., San Francisco.
Filed July 22, '16. Dated —, '16.
COST, \$1254

FRAME BUILDING

W ½ OF S ½ LOT 7 R. S., 27th and 28th Sts., Sacramento. Two-story frame building.
Owner.....Otto & Emma Senner, 1927 N St., Sacramento.
Architect...None.
Contractor...C. J. Guth, 1516 27th St., Sacramento.
Filed July 20, '16. Dated July 18, '16.
COST, \$3800

IRON WORK

LOT 4, L, M, 27TH AND 28TH STS., Sacramento. Ornamental iron work for three-story and basement Class "C" building.
Owner.....Scottish Rite Cathedral.
Architect...Carl Werner, Phelan Bldg., San Francisco.
Contractor...C. J. Guth, 1516 27th St., Sacramento.
Sub-Contractor...Fair Mfg. Co., 617 Bryant, San Francisco.
Filed July 19, '16. Dated July 13, '16.
COST, \$—

DWELLING

LOT 9 BLK 3, Maple Park, Sacramento. One-story dwelling.
Owner.....W. D. McKay.
Architect...None.
Day's work.
COST, \$2500

FRAME RESIDENCE

NO. 2214 THIRTY-SECOND ST., on S ¼ of Lots 7 and 8, Leitch Tract, Sacramento. One-story 3-room and basement frame residence.
Owner.....Jessie Leitch, 2010 P St., Sacramento.
Architect...None.
Contractor...John W. Leitch, 2216 32nd St., Sacramento.
COST, \$1000

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED
July 19, 1916—S 52 FEET OF W ½ Lot 3 and S 32 feet of E ½ Lot 2, M, N, 26th and 27th Sts., Sacramento. Trinity Cathedral Chapter Cpn to whom it may concern.
.....July 14, 1916
July 24, 1916—LOT 60, Del Paso Vale, Sacramento. A C Champlin to Chatterton Bros.....April 8, 1916

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

BRICK OFFICE BUILDING

MARKET ST., bet. Sutter and California streets, Stockton. All work for two-story brick office building and roof garden.
Owner.....Amelia Podesta, Florence Podesta, Adeline de Paoli, Charles Podesta and Estate Jennie Canale, Stockton.
Architect...None.
Contractor...Chris Totten, 625 N-San Joaquin St., Stockton.
Filed July 20, '16. Dated July 17, '16.
Excavating & cribbing finished...\$ 500
Concrete work done.....1500
1st story brick wall finished...1600
Ready for roof.....1600
Brick work and roof finished...2000
Plastering finished2500
Painting done and hardware in place1600
Usual 35 days.....1900
TOTAL COST, \$13,200
Bond, \$6600. Sureties, I. T. Stein and T. B. Littleton. Limit, 90 days. Forfeit, \$8. Plans and specifications filed.

CONCRETE GARAGE

SUTTER ST. near Market, Stockton. All work for two-story and basement reinforced concrete and steel garage.
Owner.....W. R. Clark and Mae Elsie Henry, Hotel Clark, Sutter & Market, Stockton.
Architect...Glenn Allen, 216 Eddy St., San Francisco.

Contractor...Jas. Mulcahy, Stockton.
Filed July 22, '16. Dated July 22, '16.
Monthly payments of.....75%
Usual 35 days.....Balance
TOTAL COST, \$20,726
Bond, \$10,363. Sureties, Ralph Wilcox and T. B. Littleton. Limit, 60 days. Forfeit, all damage. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA

BRIDGE—Steel and reinforced concrete. Cost not stated. Santa Barbara Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on August 21st at 2 p. m. for constructing a steel and timber bridge with earth fill approaches. Five steel spans each 162 feet. Timber trestle.

RESIDENCE—2 and 3 story and base, reinforced concrete, \$200,000. Pasadena, Los Angeles Co., Cal. Architect, Bertram G. Goodhue, 2 West 47th street, New York. Owner, John N. Wilys, Detroit, Mich. Plans being prepared.

SCHOOL—2 story and base, reinforced concrete, \$250,000. Santa Barbara, Santa Barbara Co., Cal. Architects, J. Corbely Poole, Santa Barbara, and Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Prince Hopkins School District. Plans nearly complete and figures to be called for shortly.

SCHOOL—1 story and base, reinforced concrete, \$20,000. Victorville, San Bernardino Co., Cal. Architect, Lester H. Hibbard and H. B. Cody, Marsh-Strong Bldg., L. A. Owners, City of Victorville. Will contain five class rooms, departments for manual training and domestic science. Plans complete and figures being taken.

HIGHWAY CONSTRUCTION—Cost not stated. Los Angeles, Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Bids will be received by the Board of Supervisors up to 2 p. m. of August 21, 1916, for improving Section D of the Mint Canyon road. The section is 10.63 miles in length and will be paved with concrete 20 feet wide and 5 inches thick. The approximate quantities are: 94,275 cubic yards of excavation, 56,158 linear feet of shaping road bed, 22,000 linear feet of guard fence, 11,123 lbs. of reinforcing steel, 336 cubic yards of Class A concrete for culverts and headwalls, 124,792 square yards of concrete pavement. The county will furnish 23,231 barrels of cement, 261 tons of lime and 1,186 barrels of oil. The estimated cost is \$125,493.75. Bids will also be taken on Proposition B, which is the same as above except that the county will furnish 12,716 tons of sand, 20,760 tons of broken stone and 2,559 tons of screenings from the county plant. The estimated cost of this proposition is \$122,885.25 on account of the excess cost of freight.

DISPOSAL WORKS—Cost not stated. Chino, San Bernardino Co., Cal. Engineer, City Engineer, Chino. Owners, City of Chino. Bids will be received by the City Clerk, City Hall, northeast corner D and 7th streets, up to 8 p. m. of August 15, for the construction of a sewer system and disposal works for the city of Chino, for which \$55,000 bonds have been voted and sold. Work to be in accordance with plans and spe-

DIRECT TO YOU

Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

cifications on file at the office of the City Clerk, and which can be obtained from him by making a deposit of \$1.50 or from Olmstead & Gilhehan, 1112 Hollingsworth Bldg., L. A. consulting engineers on the work. The approximate quantities are: 42,390 feet 8-inch pipe, 1,540 feet 10-inch pipe, 766 feet 12-inch pipe, 5,500 feet 14-inch pipe, 1,700 feet 16-inch pipe, 81 manholes, 21 flush tanks, 1 Inhoff tank. Certified check for 10 per cent must accompany each bid. E. L. P. Wetmore is the City Clerk.

HOSPITAL SERVICE BUILDING—5 story and base. Class A construction. \$54,745. Los Angeles, Cal. Architect, John Schultz, Wright and Callender Bldg., L. A. Owners, Los Angeles County. The Los Angeles Planning Mill Co., 1512 Industrial street, L. A., submitted the lowest bid for this work and will probably be awarded the contract.

AMUSEMENT PIER—Timber and concrete, \$21,433. Manhattan Beach, Los Angeles Co., Cal. Architects, Train & Williams, Exchange Bldg., L. A. Owners, City of Manhattan Beach. George W. Harhou, 149 West 31st street, L. A., submitted the lowest bid for this work at \$21,433. All bids were taken under advisement.

CONCENTRATOR—\$300,000. Ray, Arizona. Engineer's name not stated. Owners, Ray Hercules Co. Plans are being completed for the 1,000-ton concentrator to be built at Ray Junction (Kelvin) on the Arizona Eastern Railway, seven miles below Ray, by the Ray Hercules Company. The structure will be built to accommodate a second unit, which will be started shortly after the first is completed.

Contracts Awarded.

STREET IMPROVEMENTS—\$11,380. Los Angeles, Cal. Engineer, City Engineer, L. A. Owners, City of Los Angeles. Contractor, A. L. McCray, 234 West 28th street, L. A. Contract price, \$11,380.

STREET PAVING—\$14,532.29. Santa Barbara, Santa Barbara Co., Cal. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. Contractors, Municipal Improvement Co., Santa Barbara. Contract price, \$14,532.29.

BRIDGE—Steel reconstruction, \$9,500. Riverside, Riverside Co., Cal. Engineer, County Surveyor, Riverside. Owners, Riverside County. Contractors, Mercereau Bridge and Construction Co., Pacific Electric Bldg., L. A. Contract price, \$9,500.

PORTLAND AND OREGON

STORES AND LOFTS—5 story and base, reinforced concrete. Cost not stated. Portland, Ore. Architect, J. V. Bennes, Chamber of Commerce Bldg., Portland. Owners, Liebes & Co. Location, Broadway adjoining Broadway Building. Will cover an area of 50 by 100 feet. Plans being prepared.

Contracts Awarded.

SCHOOL—4 story and base, reinforced concrete, \$90,000. Portland, Ore. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owners, Sisters of the Good Shepard. Contractors, Litherland & Abrey, Portland. Contract price, \$90,000.

SEATTLE AND WASHINGTON

FACTORY—4 story and base, reinforced concrete. Cost not stated. Seattle, Wash. Architect, N. M. Lonooy,

120 Broadway, New York. Owners, American Can Co. Location, Elliott avenue between Clay and Cedar, covering an area of 239 by 120 feet. Also two-story warehouse dock, 301 by 69 feet. Plans complete and figures being taken.

THEATRE—4 story and base, concrete and terra cotta, \$100,000. Butte, Montana. Architect, H. Ryan, Liberty Bldg., Seattle. Owners, Silver Bow Amusement Co. Will cover an area of 94 by 100 feet. Plans complete and figures to be called for shortly.

NATIONAL TRAINING

Lieutenant-General S. B. M. Young,
President Association for National
Service.

We all know, or think we know, and many of us believe, that the conditions—economical, physical, moral and spiritual—which exist in our country today, are not what they should be, and also know that we, the people, are responsible for these existing conditions, because we have neglected our obligations and duties of citizenship. One of our greatest failures has been our neglect to subject the minds of our children to the clear stream of the fountain of freedom and instill into them the love of country as a daily rite.

The existing conditions, if not remedied at once will carry our country into the maelstrom of disaster. Realizing the impending danger, groups of patriotic citizens have formed associations, under different names, for the purpose of bettering our present condition, and while these organizations are doing good work, and while the purpose to be accomplished by each is the same, they lack team work, and the people throughout the country do not yet understand fully that they are working to the same end.

The object of this series of articles is to institute a campaign for National Service, and to harmonize and unite all our efforts in a grand campaign for the enlightenment of our entire people on the present false security on which our independence and democratic sovereignty is now floating, subject to the winds and tides of adversity, without any protected, land-locked port for safe anchorage.

The propaganda of the Association which I have the honor to represent, is National Military Training—which shall be compulsory—for all young men, mentally and physically fit to undergo this training, and National Service—which must be equal. Any national military policy which shall endure must be built upon these basic, these fundamental principles—and fundamentals do not change.

With this foundation firmly laid in the National life, we may build the superstructure to suit the exigencies of each moment of stress and again, or tear it away and build anew, and still, the force arising from the bed-rock foundation of National Military Training would endure and would be found to meet every possible strain—for it is the only elastic system and the only one which can ever become a permanent success in a Democracy.

The natural corollary to National Military Training is Equal Service. The duty—and it is a duty of the first importance—of National Defense, is an

equal obligation upon all citizens, and unless this duty shall be assumed and discharged along line of absolute equality, the structure of Democracy will not endure. We do not desire a large army in America. I mean by this, what is known as a regular or professional army, but we do want to know that we can assemble the units—evenly balanced—of all arms of the Service, and assemble them quickly, when needed. An efficient army, an army such as would be produced by a system of National Military Training, through, and by which, every young man, fit and able, to bear arms, could be called to discharge the duty of a National defender—a most ancient and honorable duty—a duty, the discharge of which, should be a prime obligation of citizenship.

This Nation, by its fathers, was dedicated to the proposition that "Democracy and Service are inseparable." We must stand squarely on the Constitution of the United States.

Such a National Military Policy will place the country on the basis of a true Democracy as provided by that Constitution.

I believe such a Policy can become a fundamental part of our National existence only through the adoption of a system by which our young men shall be liable for military training before reaching the age of twenty-one.

A democracy which does not identify itself with its army and which refuses to train itself for its own defense is traveling on a dangerous trail.

UPON A CITIZEN TRAINED TO ARMS RESTS THE POWER OF THE NATION TO RESIST INVASION.

Thomas Jefferson said, "Where there is no oppression, there will be no pauper hirelings. We must train . . . our male citizens, and make Military instruction a regular part of collegiate education. We can never be safe until this is done."

Plattsburg Training Camps and Schoolboy Drills are good things, excellent, in their way, but if they lull us into a sense of false security, they are very bad things. I believe that every young man in America should be compelled to take sufficient military training to make him efficient for National Defense, and, at the same time, teach him physical hygiene, application of sanitary science, discipline, and respect for authority. By "Military instruction" I do not mean simply the drill, but all those other and superior things which go to make thorough and complete military training. The physical benefit to be derived from such thorough military instruction will be incalculable and I, also wish to emphasize that through this complete system of training and service, class distinction will be eliminated, and the elbow-touch restored.

In a few years, under such a system, fathered by the Federal Government, there would be a quickening of the spiritual life of the Nation, and we would have a host of trained young men in America who could respond, readily, to their country's call; and all this without any very large standing army, and at a minimum expense.

And now, in conclusion, let me say, that I believe out of National Military Training and Equal Service will arise a new America—consecrated to the preservation of National Honor, International Righteousness, and Universal Peace.

GOVERNMENT TO SPEND \$10,000,000 ON GOOD ROADS IN NATIONAL FORESTS.

WASHINGTON—One of the provisions of the Federal air road bill, which was signed by the President on July 11, appropriates \$1,000,000 a year for ten years to be spent by the Secretary of Agriculture for the construction and maintenance of roads and trails within or partly within the National Forests.

The bill provides that, upon request of the proper officers of the States or counties, the money shall be used for building roads and trails which are necessary for the use and development of resources upon which communities within or near the National Forests are dependent. The work is to be done in co-operation with the various States and counties. Not more than 10 per cent of the value of the timber and forage resources of the National Forests within the respective county or counties in which the roads or trails will be constructed may be spent. Provision is made for the return of the money to the Treasury by applying 10 per cent of the annual receipts of the National Forests in the State or county until the amount advanced is covered.

Officers in charge say that the bill will make possible the construction of many roads which are greatly needed. Since 1912 ten per cent of the receipts of the National Forests have been used in road and trail building, but the funds have been inadequate to meet the needs. Many isolated communities within the National Forests are entirely dependent on the Government roads and trails. In some instances these settlements are said to be almost entirely without means of communication. According to Forest Service officials the money now made available will permit the construction of many roads necessary to open up inaccessible territory, and will greatly facilitate the development of large areas.

It is said that detailed plans covering the policy to be followed in building roads are now being made.

UNITED STATES CIVIL SERVICE EXAMINATION.

LABORATORY ASSISTANT IN CERAMICS (MALE), \$900-\$1,200.

August 9, 1916.

The United States Civil Service Commission announces an open competitive examination for laboratory assistant in ceramics, for men only, on August 9, 1916. From the register of eligibles resulting from this examination certification will be made to fill vacancies in this position in the laboratory of the Bureau of Standards, Pittsburgh, Pa., at salaries ranging from \$900 to \$1,200 a year.

As the supply of eligibles resulting from recent examinations has not been equal to the demand qualified persons are urged to enter this examination.

Competitors will be examined in the following subjects, which will have the relative weights indicated:

	Weights
1. General physics	15
2. French or German	19
3. Practical questions in ceramics	50
4. Education, training, and experience	25

Total 100
Persons who meet the requirements and desire this examination should at once apply for Form 1312, stating the title of the examination desired, to the United States Civil Service Commission.

Washington, D. C., or to the Secretary of the United States Civil Service Board, San Francisco.
Issued July 17, 1916.

AUSTRALIAN MERCHANT SEEKS AGENCIES.

The District Office of the Bureau of Foreign and Domestic Commerce in New York City reports that an Australian business man called at the office, stating that he expects to return to Australia on July 27 and would like to arrange to represent American manufacturers and exporters on an agency basis. He is also in position to buy goods for his own account and will pay cash against shipping documents in New York. The man's name and address, together with references, may be had on application to the Bureau of Foreign and Domestic Commerce, Washington, or its District Offices.

WORK OF UNITED STATES EMPLOYMENT SERVICE.

The United States Employment Service, the work of which is performed under the supervision of the Division of Information of the Bureau of Immigration, Department of Labor, has completed the first full year of its activities, with gratifying results. During the year 25,645 employers filed application for 167,321 workers. In the same period 184,032 persons applied for work, of whom 81,963 were referred to employment and 75,156 were actually employed.

During the year the Department of Labor, in pursuance of co-operative arrangements with the Department of Commerce, utilized its employment service by establishing registers of certificated seamen. Through the operation of this service the employment officers of the Department of Labor were frequently able to secure for merchant vessels a sufficient number of certificated seamen to complete the crews; and when unable to do this they ascertained and reported the fact that no such seamen were available in their respective ports.

LAKE SPALDING DAM TO BE RAISED.

COLFAX (Placer Co.)—The Pacific Gas and Electric Company has awarded a contract for the immediate raising of the Lake Spaulding Dam thirty-five feet. The contract has been let to Twohy Brothers.

The raising of the present concrete dam thirty-five feet will give it a total height when completed of approximately 250 feet, making it one of the largest concrete dams in the United States.

The lake now has a capacity of 43,500 acre feet. The additional height will greatly increase its capacity.

The project will involve an expenditure of a large sum of money and the employment of several hundred men. The work is to be rushed with all possible haste and is expected to be completed before Winter, so as to take advantage of the run-off this coming season. The water impounded in Lake Spaulding is first made use of for generating power through the Drum Power House, after which it follows the natural course of Bear River to a point near Colfax. There it is again picked up through the Bear River canal and delivered to power

houses Nos. 4 and 5, at Clipper Gap and Auburn now under construction, where it is again used for generating power. It is then picked up in canals and ditches and delivered to the farm lands for irrigation purposes.

CENSUS OF MANUFACTURE OF PAINTS AND VARNISHES.

A report on the paint and varnish industry of the country by the United States Bureau of the Census shows that the number of establishments was smaller in 1914 than it was in 1909, but that the output for the latest census year was 16.9 per cent greater in value than that of 1909. The paint industry embraces the manufacture of colors or pigments in dry form as well as in paste form and already mixed for use, and under varnishes there are included japans, dryers, and lacquers.

Reports were received from 855 establishments engaged in the industry in 1911, the total products of which for the year were valued at \$149,049,820. In 618 establishments, with a total paint and varnish output valued at \$113,953,084, a greater value of paints than of varnishes was produced; and in the remaining 237 establishments, with a total output of \$35,096,736, the value of varnishes produced was greater than that of paints.

The products in 1914 comprised colors or pigments valued at \$17,407,955; oil paints, \$70,582,461; water paints and kalsomine, \$2,262,281; varnishes japans, \$36,061,293; fillers, including putty, \$2,239,174; bleached shellac, \$1,866,802; and other products to the value of \$17,749,944.

At the census of 1909 there were reported 803 establishments, with products valued at \$127,472,819.

PLAN COLLAPSIBLE DAM.

REDDING (Shasta Co.)—The Anderson-Cottonwood Irrigation District has rented an equipment for building the diversion dam across the Sacramento at the intake of the system. The district rejected all bids as being too high and will do the constructing itself. The lowest bid was \$46,500.

The dam will be 500 feet long. It will be of the collapsible type. That is the top of the dam—the portion above low water mark—will be made of steel in such a way that it will fold back. When high water comes there will be no dam, as far as appearances go.

H. H. Henderson, Chief Engineer for the district, says the dam will be completed in two and one-half months.

NATIONAL FOREST RECEIPTS EXCEEDED ALL PREVIOUS YEARS.

WASHINGTON—Receipts from National Forests for the fiscal year 1916 reached the high-water mark of approximately \$2,820,000, according to figures just compiled. This is \$341,000 above the 1915 total, which in turn exceeded any previous year. Officials say that the gain was due to increased demand for all classes of forest products.

There was a decided growth in the revenue from all sources, the largest being that of \$205,000 in timber sales. Grazing fees showed a gain of \$77,000. Receipts for water power development were over \$12,000 more than for 1915. Sales of turpentine privileges and

charges for special uses were both considerably in excess of the previous year.

Officials say that the National Forests are important factors in the prosperity of the regions in which they are located, on account of the large amounts of timber, rail, and other resources which they hold available for use as needed. Business conditions are reflected in the receipts of the Forests. Consequently the showing for the past year is regarded as an index of increased business activity throughout the sections where the National Forests are found.

NEW PROGRAM OF IMPROVEMENTS FOR SAIGON HARBOR.

SAIGON, French Indo-China—By a decree dated May 2, 1916, the Governor General of French Indo-China has made it known that the program of improvements of the harbor of Saigon has been approved by the Governor and Council.

The improvements aggregate a total of \$3,701,450 and consist of the construction of floating docks, repairs of all kinds, widening and improving approaches to quays, leveling and grading, construction of warehouses and railway lines.

A detailed list of contemplated improvements is on file at this office.

A part of this program has already been discussed in Commerce Reports for August 9, 1915, and in the annual report for French Indo-China, published as Supplement 54b on August 23, 1915. The latter gives a detailed description of the port of Saigon, which will enable one the better to understand the character of the proposed improvements.

INDUSTRIAL NOTES FROM CHOSEN.

Projected Enterprises.

Several proposed new industrial undertakings are reported in the local press, among the more important being a paint manufacturing company, a new engineering company, a paper mill, and a porcelain factory.

The paint manufacturing company is to be a Chemulpo enterprise, capitalized at \$150,000. The company will manufacture a paint which has been invented by the Central Laboratory of the Government General, the rights of manufacture having been transferred to the proposed company.

The engineering company is styled the Toyo Shoko Kaisha (The Oriental Civil Engineering Encouragement Co.) and will have its offices in Seoul. It is a combination of some 20 of the leading civil engineers in Seoul, and will undertake general engineering work. The capital of the company will be \$500,000, divided into 20,000 shares.

The paper mill is to be erected by the Suzuki firm of Kobe, Japan, and will be located at a place near Chinhae in south Chosen. It is reported that the plant will be an extensive one and that it holds out every prospect of being a great success.

Any revival of the formerly well-known pottery industry of Korea will naturally be very welcome; and the proposed establishment of a porcelain factory at either Fusan or Masan by a prominent porcelain manufacturer of Japan is of interest. All the materials

for the industry are available in large quantities in Chosen.

Mining Notes.

It is reported that the firm of K. Okura and Co., of Tokyo, Japan, has decided to establish an ore refinery at Shinanju, on the Seoul-Shingishu line. The estimated cost of the installation will be \$50,000, and the work will be commenced within the current calendar year. This will be the second large refinery of the kind to be erected in Chosen, the previous one having been built at Chinnampo by Messrs. Kuhara and Co. of Osaka, last year.

Projected Railway Lines.

It is reported that the Railway Bureau of the Government General of Chosen is planning to lay a branch railway from Kanho, a station on the Seoul-Shingishu Line, to Kaishu (Jiaiju), the capital of Kokai Province. The survey of the route is being carried out now. The line will be 51 miles in length and will tap an important section of country.

It is also reported that, as a result of negotiations between the military authorities in Tokyo and the Railway Bureau in Chosen, it has been decided that a railway line shall be constructed between Seishin and Ranaam in north-eastern Chosen. The necessity of this line, which will be only a few miles in length, arises from the fact that Ranaam has been made the site of one of the two new divisions created for Chosen at the last session of the Imperial Diet, and that Seishin is its seaport. Traffic between the two places is at present handled by means of a light railway, and a scheme has been on foot for some time to construct an electric line to care for the increased business. This scheme has now been abandoned, owing to the rise in the price of materials for such a line, and the plan for a regular railway has been substituted therefor.

LACK OF CAUTION AT RAILROAD CROSSINGS.

That carelessness on the part of drivers and pedestrians is primarily responsible for the alarming increase in fatalities at railroad crossings, is the gist of an address by Alex Gordon of the California State Railroad Commission, made recently before the convention of the Boards of Supervisors of California.

"California," said Gordon, "with less than 4 per cent of the population and less than 2 per cent of the steam railway mileage, furnishes nearly 5 per cent of the deaths and injuries reported to the Interstate Commerce Commission. During the three years ended June 30, 1915, 249 people were

killed and 1093 injured at grade crossings in this state. The record is always much worse in the summer than in the winter."

"There are over 10,000 grade crossings in California and \$30,000 would be a low estimate of the cost of eliminating one crossing. To separate grades at all of the crossings would cost over \$30,000,000 and it is, of course, out of the question to consider any such expenditure at this time. Neither the people nor the railroads can stand it."

"Meanwhile existing conditions must be met. It has been suggested that the legislature should pass laws requiring all motor vehicles to come to a full stop before passing over a grade crossing. To my mind a better suggestion is a law requiring the drivers of motor vehicles to drive slowly when approaching an intersection of a track and highway."

OTHERS SUFFER TOO.

"Personally I have not a great deal of sympathy for the careless driver who gets hurt in a grade crossing accident. But our figures show that when a driver is hurt or killed, three or four people with him are also hurt or killed. Last September may be taken as a typical month. Three auto drivers were killed in the state that month and ten occupants of the automobiles were killed at the same time. Nine drivers were injured and thirty-seven other occupants were injured. These other occupants of the vehicles struck by trains were in many cases—possibly in most cases—relatives of drivers, often wives and children, and if the careless driver when left to himself so far forgets the safety of himself and those who are nearest to him as to jeopardize their lives in this fashion, it is time for the law to step in and tell him what he must do to guard them."

"The popular impression is that most grade crossings result from railways being opened across highways. As Commissioner Gordon makes clear, the fact that most of them are due to highways being opened across railways and many of them are more of a menace than a convenience to the public."

With reference to trespassing, he says:

"In 1914, 5,396 persons were killed in the United States and 6,176 were injured while trespassing on railroads and these figures are about the same as those reported for the previous year. During that same year there were 165 trespassers killed and 217 injured in California. In the last 25 years there have been over 212,000

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

people killed in the United States in railroad accidents, and of this vast number, over 112,000 were trespassers. This record would be bad enough if those who suffered were tramps and 'hobos,' but when we find that 75,000 of the total killed were citizens of the locality in which the accident occurred, and 13,000 were children under 13 years of age, we must admit it to be absolutely disgraceful."

"The grade crossing problem is one which is met with, more or less, in all countries, but trespass accidents occur only in the United States. In Europe the property of the railroads is no more used for public thoroughfares than are privately owned ranches and farms in this country, and even Canada, with more excuse than the United States for permitting trespassing in and around railroad tracks, has rigid, anti-trespassing laws which are strictly enforced."

Referring to the passage of anti-trespassing laws in this country, Commissioner Gordon adds, "I believe the day will come when it will be done and those of us who are compelled to think of these things should do all we can to hasten its coming."

FOREST NOTES.

Coniferous timber has been found to be better suited than any other for the production of ethyl alcohol.

There are 592 consumers of tannin in the United States who use annually 625,000 cords of hemlock bark, 290,000 cords of oak bark, and 350,000 cords of chestnut wood.

Experts of the Forest Service estimate that the farm woodlots of the United States contain from 200 to 300 billion board feet of lumber and from one to one-and-a-half billion cords of wood.

On some of the National Forests of the Northwest the snow lay on the ground longer this spring than for many years. In consequence stockmen have been considerably delayed in getting their herds on the ranges.

All of the 28 counties of Utah contain portions of National Forests and consequently all share in the 25 per cent of the National Forest receipts which is paid over to the road and school funds. This is true of no other State.

One hundred thirty thousand maps of the National Forests will be distributed to tourists this summer. These maps show the best camp sites, good hunting and fishing grounds, roads, trails, and telephone lines, and give directions how to reach points of interest.

RURAL HEALTH—AMERICA'S FIRST DUTY.

WASHINGTON, D. C.—"The estimated economic loss which our nation suffers each year from typhoid fever and malaria alone aggregates \$928,234,880, leaving out of entire account the sorrow, the unhappiness, the misery and the inefficiency which follow in their train." Senator Joseph E. Ransdell of Louisiana recently addressed the Senate on the subject of "Rural

Health—America's First Duty." "The greatest asset which our country can have" said Senator Ransdell, "is the healthy American citizen, and valuable as it may be to increase the health of livestock and vegetation, it is of far greater importance that we throw every possible safeguard about the health of the man who is responsible for that livestock and vegetation. Over 900 million dollars lost every year! A sum which is sufficient to put our country into a state of preparedness equal to that of any nation in the world, enough money to give us the largest navy afloat and the most efficient army which the world has ever seen, is annually offered up as a sacrifice to two diseases which are entirely preventable. Enough money to pay the annual expenses of every college student in the United States is absolutely thrown away every year." Senator Ransdell estimates the grand total loss from typhoid fever at \$271,332,880 per annum, and the loss from malaria at \$694,904,750 per year; the total per capita loss from these two diseases being \$9.46. By comparative estimates it was shown that the United States Government appropriated \$5,016,175 for the investigation and prevention of the diseases of animal and plant life and only \$1,917,566 for the investigation and prevention of the diseases of man.

SEEKS FIRE-RESISTING MATERIALS FOR SHIPS' DECKS.

The Bureau of Standards, Department of Commerce, in connection with a general study of fire-resisting materials, is considering among other phases of the subject the development of a fire-resisting material for use in constructing, in whole or part, the deck structures of excursion and passenger steamers. So far as may be applicable, the material when developed would also be considered in relation with other marine uses.

The Bureau of Standards would be glad to receive from manufacturers samples of such materials as they consider suitable for the purpose, in order that they may be given consideration.

LOCAL FIRMS PLAN TO BUILD SAILING VESSELS.

SACRAMENTO, Cal., July 28.—Two San Francisco companies which plan to build sailing vessels with auxiliary power to engage in the foreign trade have been authorized by Commissioner of Corporations H. L. Carnahan to sell shares of their capital stock for the purpose of carrying out their projects.

China-American Motorship Company has been permitted to sell 99,997 shares at par, \$1 per share, to net the company not less than \$6c per share. The company plans to build a fleet of five 5 masted wooden vessels, each of 4,000 tons capacity, equipped with Diesel type engines for auxiliary power, for service between Pacific Coast and foreign ports. These are estimated to cost \$15,000 each. All of the money received from the sale of shares is to be placed in a depository and none of the subscriptions called until not less than \$15,000 shares shall have been subscribed so as to insure construction of the first vessel. The company has until February 1, 1917, to secure the

necessary subscriptions and no commissions will be paid prior to that time.

San Francisco Hongkong Steamship Company is permitted to issue 200,000 shares of its common stock to Captain Walter R. Rideout in exchange for a contract with the J. D. Barnes Co. for the building of the first of two schooners which the company proposes to construct at an estimated cost of approximately \$300,000 each. The company is permitted to sell 750,000 shares of preferred stock at par, \$1 per share, to net the company not less than \$5c per share; the common stock is to be held in escrow.

A tract of 14 acres of land on the Alameda shore of the Oakland estuary has been leased by the J. D. Barnes Company, upon which the concern will erect a plant for the construction of large vessels. The new company is negotiating for other construction work in addition to the vessels which are to be constructed for the San Francisco & Hongkong Steamship Company.

PRODUCTION OF SILICA.

The annual statement on silica in 1915 is now available for distribution by the Geological Survey. During the year the production of silica in various forms amounted to 243,340 short tons, valued at \$1,270,835.

BRITISH MARKET FOR PACIFIC COAST PRODUCTS.

A monthly service between Bristol, England, and the Pacific Coast is now maintained by the Maple Leaf Line, using the Panama Canal. Several of these steamers are now sailing under the American flag. The inauguration of the service has brought about an increased trade in such Pacific Coast products as alfalfa hay, barley, canned goods, dried fruits, Oregon pine, California redwood, and Puget Sound salmon.

Although the development of trade between ports on the western coast of the United States and the city of Bristol has been promising, the recent import restrictions imposed by the British Government are sure to have a depressing effect on imports of some of the principal articles produced on the Pacific Coast.

Principal California Products in Demand.

Canned salmon, as a staple article of food, is appreciated in this district. There is a good demand for California evaporated fruits, which yearly increase in popularity. California redwood is used for railroad ties, and this also meets with a good demand. These goods are all imported direct.

The commercial superintendent of the port of Bristol some time ago estimated the saving per ton that he believed could be effected on a few of the principal commodities exported from California to certain British centers if shipped through Bristol instead of Liverpool or London. He estimated the average saving per ton on California product via Avonmouth Dock, Bristol, as against London to Birmingham to be \$1.59; as against Liverpool to Birmingham, 83 cents; as against Liverpool to London, \$1.32; as against London to Cardiff, \$2.88; and as against Liverpool to Cardiff, \$2.70. The average saving per ton on exports

to California via Avonmouth, Dock, Bristol, as against London from Birmingham is \$1.30; as against Liverpool from London, \$1.35; and as against Liverpool from South Wales, \$1.38.

Large Population Within Reach of Bristol.

The population within a 100-mile radius of Bristol is 10,000,000. Passengers and mails can be conveyed from the Royal Edward Dock passenger station to London or Birmingham within two hours. There is a direct route by rail or water to the center of England. Granaries, elevators, cold stores, and cool transit sheds adjoin the quays, and the docks are equipped with electric, steam, and hydraulic cranes. There are railway lines alongside steamers' berths at all the docks. The graving docks can accommodate the largest class of steamers.

[A list of firms in Bristol, England, probably interested in Pacific Coast products may be obtained from the Bureau of Foreign and Domestic Commerce, Customhouse, San Francisco. Refer to file No. 77506. Several classes of goods mentioned in this dispatch are on the British list of prohibited imports.]

PURE WATER FOR A MILLION CALIFORNIANS.

A million people in California are drinking chlorinated water, according to the California State Board of Health. This means that one-third of the population of the State is assured of a fairly safe water supply.

As a cheap and reasonably efficient method of removing the dangers due to the presence of typhoid and like germs, there is no form of treatment known at the present time that can compare with chlorination. The California State Board of Health has recommended and sponsored the use of this method of water purification for a great many of the water supplies of the State. Among the cities that have recently adopted this method are Berkeley, Alameda, Oakland, Sacramento, San Diego, Pasadena, San Jose, Eureka, Antioch, Benicia, Auburn, Pittsburg, National City, La Mesa, East San Diego, Santa Barbara, San Luis Obispo, Monterey, Redding, Merced Falls, El Centro and Los Angeles. In addition, public swimming pools in Oakland and San Francisco are also chlorinated.

One of the most striking examples of the efficiency of chlorination in purifying water is shown in the experience of the city of Sacramento. In 1914, before chlorinating the water supply of that city, there were 253 cases of typhoid fever, while during the first six months of 1916, since the purification system has been installed, there were but eight typhoid cases reported.

The flexibility of chlorination plants is greatly in favor of this method, since it may be used for a supply as small as 100,000 gallons per day for a town like Merced Falls, with a population of 1500, or for a supply of ten million gallons per day, serving a population of 180,000, as in the city of Oakland.

Forty chlorination plants are reported as already installed in Oregon, Washington, Arizona, Utah and New Mexico, while twenty-nine plants are now installed in California. The California State Board of Health is recommending this method of purification, to

all cities drawing their water supplies from questionable sources, and as soon as this method has been adopted in all cities of the State which draw their water supplies from such sources, there will, no doubt, follow great reductions in the communicable disease rates.

BRITISH COLUMBIA LOAN TO AID RAILWAY.

Under authority granted in an act passed by the last British Columbia Legislature—The British Columbia Loan Act—which enables the Province to borrow \$10,000,000 for the purpose of assisting the Pacific Great Eastern Railway, bonds to the value of \$2,000,000 will be floated at once, so that this railway may complete its line through to Prince George, B. C. It is stated that the loan will be floated at a rate to cost the Province 5.60 per cent. The bonds are to be sold through eastern Canadian houses, and in all likelihood will be disposed of in New York.

The act empowers the Provincial Government to advance \$6,000,000 to the Pacific Great Eastern Railway to complete work already undertaken. The acquisition of the \$2,000,000 will permit work to be done on the railway immediately.

Men have been sent north to Clinton, B. C., and from that point tracklaying will be rushed ahead along the grade. By fall the steel will be to Prince George. The company will require a large number of men for the work, which includes bridge building, etc., and the resumption of the enterprise will prove a boon to the district through which the line runs.

HIGH YEAR FOR MINES.

Geological Survey's Mid-Year Review Shows General Prosperity.

Secretary Franklin K. Lane has received from the Geological Survey its mid-year review of mineral production. This official statement covers the first six months of 1916 and includes reports from the Federal specialists on the principal products of the mining industry, as well as from the Western offices of the Geological Survey. These summary reports are being made public as authoritative and impartial records of business conditions.

"The mid-year review was so well received last July," said Secretary Lane, "that I believe it met a public need, and it will therefore be continued as one of the services rendered to the public by the Interior Department. The business of the whole country has become so interdependent that facts regarding our mines and mills and furnaces are of real concern to every citizen interested in any industrial undertaking. That the mining industry is making many new records in the extent and success of its business must be taken as an index of the nation's general prosperity. Best of all, 1916 is registering another advance in the growing independence of the United States as a producer of the many materials that civilization has made necessary. Our country is coming into its own."

"The accomplishment of the mining industry in the six-months period just completed warrants the forecast that 1916 is to be a record-breaking year."

With this statement the Director of the United States Geological Survey sums up his official mid-year review of the mineral industry as reported to him by the Government geologists and statisticians covering the different subjects. "Active demands and good prices have furnished the mine operators with full opportunity for success in working developed properties, and this in turn has given added incentive and available funds for exploration, prospecting, and experimentation with new processes. The mining man is having his innings."

Summarizing the special reports which are now being made public, Director Smith continues his review:

The returns for six months furnish a basis for the belief that 1916 will set up a new record for the softcoal mines. Every coal-mining State is sharing in this prosperity and of course this demand for coal is to be traced back to the increased business of the railroads and of the steel and other large industries.

Drilling activity throughout the oil-producing States has brought about a gratifying increase in production of crude oil that promises to make 1916 a record year for marketed petroleum. Already production and consumption are reported by the Survey's specialist as essentially in balance east of the Rocky Mountains, with a tendency to lower prices.

The Portland cement industry has had a busy six months and the manufacturers are optimistic. It is predicted that in both production and shipments of cement this year will show a gain over last year, if indeed it does not establish a new record for cement.

Among the metals copper is continuing the steady increase in production which began early last year, and the forecast for 1916 indicates not only the largest output ever known but also the largest profits.

Shipments of iron ore from Lake Superior points for five months of 1916 exceeded by more than 80 per cent those for the same months in 1915, and the indications for the year are favorable for a new high record on iron-ore production, and of pig iron as well. Higher prices with a steady demand are stimulating the mining of manganese, with the result that this year's output of ore is expected to surpass the large production of last year.

The lead and zinc mines are producing ore at a rate even exceeding that of last year and the prevailing prices have made possible the working of large quantities of low-grade ore.

Most precious-metal mines are operating at full capacity. The gold production will probably fall below the high yield of last year, but silver, the one metal last to benefit by the general domestic prosperity, is expected this year to break all previous records.

In quicksilver the outlook is for a continuance of the output of 1915, which was the largest for several years. Thus far in 1916 the average price has greatly exceeded the 1915 prices; and although the reaction in prices has come, conditions are favorable for steady and profitable operation of the quicksilver mines, some of which are newly opened.

The reports from the Survey's western offices are all optimistic. In Arizona mines and smelters are working

at high pressure, and the production of metals already shows an increase that promises to make the value of the output nearly double that of last year. Arizona will maintain first place as a copper producer. New Mexico is continuing its rapid progress as a metal mining State, with increases in its output of lead, copper, zinc, gold and silver. The mines of Colorado in the six months just past have shown some changes in output as compared with last year; an increase of 30 per cent in copper is indicated together with small gains in lead and zinc, a 15 per cent decrease in gold, and little change in silver. This output, however, represents a large gain in value of mine production. Mining has also been stimulated in Montana, and the forecast indicates an increase of 60 per cent in the value of the mine product over that of last year. Here also record outputs may be expected for 1916. Idaho mines are increasing their shipments in all the metals, with higher wages and larger dividends as the result of better prices.

Utah is experiencing an ore production in excess of smelter capacity. The value of the 1916 output of copper is expected to be double that of last year. Throughout Nevada the old term "boom" best expresses the present mining revival. Old mines are being reopened and regular producers are working at full capacity. The chief gains in production will be in copper, lead, and zinc. The increased activity in the mining industry of California is finding expression largely in the reopening of mines that have been long idle and the opening of new mines for chrome, tungsten, manganese, antimony, and magnesite, rail shipments of these ores to the East being made possible by prevailing high prices. Washington is another State which shows increased production, the mining industry there being in better condition than for several years past. Alaska also is benefiting by the increased activity of its mines. Copper mining is showing great advances, and the output of both copper and gold promises to exceed that of last year.

FULLER'S EARTH.

The Geological Survey's annual statement on fuller's earth is now available for distribution. According to this report the production of fuller's earth during 1915 increased 6,920 short tons in quantity and \$85,573 in value over 1914.

Many Compliments For Builders In Parade.

Motion Pictures Taken of Watermelon Contest now on Display. Senator Scott the Winner.

The great preparedness parade, held Saturday, came fully up to the expectations of the citizens' committee that worked diligently to arrange the affair so as to have the many units assembled at their various places of rendezvous, and to have each enter the monster parade at the exact instant to make the movement proceed without a hitch.

All this was accomplished in a highly satisfactory manner and reflects credit on all who assisted in the movement that indicates clearly that the vast majority of the citizens of San Francisco, both men and women, are strongly in favor of adopting measures that will uphold the best traditions of our country.

The explosion of a vile infernal machine at Stewart and Market streets, was the only incident which occurred to mar the otherwise peaceful but impressive demonstration.

Mrs. William S. Scott, wife of the Senator, was the captain of a large company of ladies of the Auxiliary of the Spanish American War Veterans, who were formed on Stewart Street. At one time Mrs. Scott's company of ladies were formed just in front of the California Volunteers, and were exactly in range of the deadly infernal bomb, but a few minutes before the explosion occurred they were moved back to the rear of the men, which left a clear space. It was at this point that Dr. Painter, who was in the ranks of the California Veterans received his mortal wound.

Mrs. Scott described the scene as one of horror and she was pleased with the splendid conduct of the lady members of her company, who although severely tried conducted themselves like veterans.

The Builders' Section of the parade was a particularly well officered and well disciplined body. Supervisor Ralph McLeran was marshal, and he was ably assisted by Senator William S. Scott, T. W. McClennahan, Supervisor Edward J. Brandon, W. E. Hague and N. F. Nielsen as aids.

P. J. Waldron, of the General Contractors' Association carried a beautiful banner upon which was painted

in large letters the words, "Building Industries."

The Directors of the Builders' Exchange and the General Contractors' Association made a splendid showing, the only one absent being President Harry Maundrell, who was unavoidably absent as the result of a serious operation for appendicitis. The Asbestos Workers under the command of S. P. Russell and the Cement and Plaster Industries under the command of W. H. George, were on hand in large numbers and these sections were the recipients of many glowing compliments.

James S. Fennell and R. D. Felt, commanding the Masons and Builders Association and the Master Plasterers Associations respectively, did themselves proud, as did all the other branches of the Building Industry.

Joe Kaiser's Cornet Band furnished an abundance of inspiring music throughout the entire march and this band made the hit of the parade by playing the national anthem while passing the reviewing stand.

When the parade was over the builders rallied on the Polk street steps of the City Hall, where a panoramic view of all was taken after which Willis Polk and Senator Scott engaged in a spirited melon eating contest before a battery of moving picture machines.

Supervisors Brandon and McLeran, W. E. Hague and James S. Fennell acted as seconds for the contestants and kept them supplied with an abundance of luscious melons.

Senator Scott was declared the greatest melon eater and he was awarded a leather cross.

Clarence Preparedness Pratt awarded to W. A. Rainey a large sack of A-1 Globe flour for having the largest family in the parade.

The watermelon contest was concluded with a general watermelon party in which all present engaged with great relish and gusto.

Willie Rainey and 'Jack' Cobby Jr., played many bugle calls as the parade passed along and their bugle playing was an inspiration to the patriotic builders.

POPULATION OF THE CANAL ZONE.

Consul Julius D. Dreher, at Colon, Panama, reports under date of July 3 that according to a census just taken by the police and fire division of the Panama Canal the population of the Canal Zone is now 31,018, of whom 14,576 are Americans.

Cut this out and mail to-day

Subscription Rates

Payable in advance


- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News

560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
 Street and No. _____
 City _____
 State _____



Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 32

Publication Office,
560 Mission St.

San Francisco, Cal., August 9, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best in the World

Sure to Close Your Doors
Without Slamming

Strictly An Air Cushion Check, working automatically.
Simplicity and Durability combined Applied
to either side of any, size of door either
Right or Left Hand, without change

In ordering, give size of Door; also projection of Casing (if any)
over door, when Bracket will be sent to fit.

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member

Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2007
Oakland, Oakland 8841

THE
Safe Deposit Vaults
of the
BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bot. Cough and Octavia

SAN FRANCISCO, CAL.

"Konveno" increases the shelf room of the small bathroom.

It's top is so constructed that it can be used as a convenient shelf upon which to stand toilet articles that are constantly in use.

It certainly is useful in the small bathroom.

Any object can be laid upon it without any possibility of it sliding off.

Like all the "Pacific" line Konveno is guaranteed forever against any defects in workmanship or materials.



"Pacific"



Plumbing Fixtures

Main office and show rooms.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

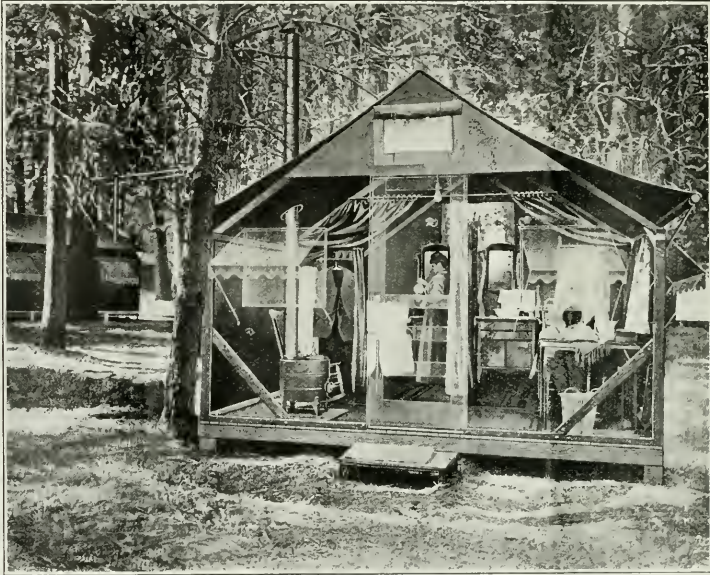
Factories,
RICHMOND,
CALIFORNIA

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4 -- \$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

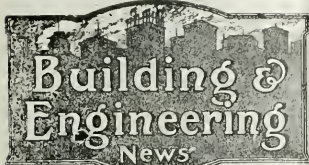
Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, August 9, 1916

Sixteenth Year, No. 32



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street,
Telephone—Douglas 2372.

Circulates among the leading Engineers,
Surveyors, Architects, Contractors,
and Municipal Authorities on the
Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	4
Apartment Houses	4
Barns	4
Bonds	4
Bridges, Dams and Harbor Work	4-5
Churches	5
Factories and Warehouses.....	5
Flats	5
Fresno Modesto, Stanislaus and Central California.....	27-28
Garages	5-6
Government Work and Supplies.....	6
Halls and Society Buildings.....	6
Hospitals	6
Hotels	6
Irrigation and Reclamation Projects	6
Libraries	6
Los Angeles and Southern California	29
Marin, Contra Costa and Sonoma Counties	26-27
Oakland and Alameda County.....	19-20-21-22-23-24
Portland and Oregon.....	30-31
Post Offices	30-31
Power Plants and Water Systems	6
Railroad Stations and Construction	6
Residences	6-7-8
Sacramento, Stockton and Northern California	28-29-30
San Francisco.....	13-14-15-16-17-18-19
San Jose and the Santa Clara Valley	24-25-26
Sealed Proposals	11-12
Seattle and Washington.....	31
Sewers and Street Work.....	8-9-10
Stores and Offices.....	10-11
Theatres	11

THE DEPARTMENT OF CERAMIC ENGINEERING OF THE UNIVERSITY OF ILLINOIS.

The Department of Ceramic Engineering of the University of Illinois will mark the beginning of a new college year in September by offering unusual facilities to those interested in the clay-working industries. Ceramic Engineering, broadly defined, covers the science and practice of cement mills, of tile factories and brick yards, of terra cotta mills, of porcelain factories including those making tableware and electrical insulating materials, and of glass works. The field is broad and rapidly developing. Conditions imposed by the European war are prompting American manufacturers to extend their undertakings and have created an unprecedented demand for men who can lead, and for facts that will guide.

The University has anticipated this demand. It is prepared to train men, through the medium of a four-year college course, in the scientific and practical aspects of the industry, and to afford advanced students exceptional opportunities for the conduct of research.

The University has developed an unusually strong organization of men constituting the staff of the Department, and it has erected and equipped, at a cost of nearly a quarter of a million dollars, a series of buildings especially designed for such work.

The starting point of any great work either in teaching or in research is in the quality and strength of the men who are to direct and execute it. The Department of Ceramic Engineering is especially fortunate in having its setting in the midst of a great University organization. Ceramic Engineering at Illinois draws support and inspiration from a large number of other departments of the University,—from Chemistry, Physics, Geology, and from all the great departments of the College of Engineering.

The departmental staff in Ceramic Engineering as organized for the coming year centers in the personality of training, aided by laboratory attendants, four men of scientific and practical darts, potters, and other artisans.

Dr. Edward W. Washburn, Professor of Ceramic Chemistry and Head of the Department, graduated from the Massachusetts Institute of Technology in 1905 and was made a Doctor of Philosophy in 1908. His life has been spent in the work of Physical Chemistry. For the past eight years he has been associated with the Department of Chemistry of the University of Illinois. His work as a teacher and as a contributor to science has been noteworthy. Under the skillful and discriminating leadership, the work of the Department will be kept upon a high scientific plane.

Cliffen W. Parmelee, Professor of Ceramic Engineering, graduated from

Rutgers College in 1896, and for the past ten years has been Professor of Ceramics and Director of the Department of Ceramics of that institution. He was trained as a chemist, and was an honor student in Chemistry. He has sustained important consulting relations with various potteries, has contributed extensively to recent literature, and has the distinction of having served as President of the American Ceramic Society.

Ralph K. Hursh, Assistant Professor of Ceramic Engineering, graduated from the University of Illinois in Mechanical Engineering in 1908, and has been associated with the work of the Department since 1911. His practical experience especially qualifies him for work with the coarser clays.

Howard C. Arnold, Instructor in Ceramic Engineering, graduated from the University of Illinois in Ceramics in 1914. He was an honor student at Illinois. He received the degree of Master of Arts from the Ohio State University in 1916.

The buildings and equipment, which have recently been made available for the work of the staff and students of the Department of Ceramic Engineering, included a kiln-house equipped with batteries of oil-fired and coal-fired kilns and with the heavier machinery for preparing clays, and a main building occupied as offices, recitation rooms and laboratories. The main building is a three-story structure of beautiful design. Its exterior and much of its interior finish is of terra cotta, a product of the ceramic arts presenting many advantages as a building material.

The various departments of the College of Engineering present similar opportunities to those desiring to prepare for work in kindred lines, for example, in Civil, Electrical, Mechanical, Mining, Municipal and Sanitary and Railway Engineering, and in Architectural and Architectural Engineering.

EXPERIMENTS IN WATERPROOFING OF CONCRETE.

An investigation of the integral method of waterproofing concrete has been undertaken by the United States Bureau of Standards in co-operation with manufacturers of compounds, and with societies, engineers, and others interested in this problem. A questionnaire has been addressed to more than 800 architects, engineers, contractors, etc., and the tabulation of the replies received has been started by the Bureau. An important feature of the investigation is the project for experimental concrete tanks along the river front of the City of Washington. The District Government has set aside a small piece of ground for this purpose, and plans have been completed for the construction of the tanks.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$50,000. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owners, Metropolis Investment Co., 333 Kearny street, S. F. Location, northwest Post and Leavenworth. Will contain a number of two, three and four room apartments besides four stores and lobby. Plans complete and segregated figures being taken for all parts of the work except concrete which has been awarded to the New Era Concrete Co.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 2 story and base, frame, \$15,000. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owner's name withheld. Location, North Berkeley. Will contain two and three room apartments. Plans being prepared.

LOS ANGELES, CAL.—Apartment house, 3 story and base, brick, \$50,000. Architect's name not given. Owner, Harold Nutter, I. W. Hellman Bldg., L. A. Will contain 100 rooms arranged in two and three room suites. Plans being prepared.

SAN FRANCISCO—Apartment houses, 2, 3 story and base, frame, \$25,000 each. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. Location, south Haigat west of Octavia. Each house will contain 12 apartments of three rooms and bath. Plans being prepared.

SAN FRANCISCO—Apartment house, 4 story and base, brick, concrete and steel, \$85,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners, Gerard Investment Co. Location, southeast O'Farrell and Hyde streets. Will contain four stores and lobby on the ground floor and a total of 76 rooms on the upper floors. Concrete work awarded to American Concrete Co., Humboldt Bank Bldg. Balance of the work being figured under segregated contracts.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$15,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name not given. Location, southwest Washington and Leavenworth streets. Will contain 21 apartments of two and three rooms. Plans being prepared.

SAN FRANCISCO—Apartment house, 5 story and base, reinforced concrete, \$30,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner, Margaret Nolan. Location, south Eddy between Leavenworth and Hyde Sts. Will contain sixteen apartments of two and three rooms. Plans complete and figures have been taken. Contract to be let at once.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, \$20,000. Architect, Stevenson, Thomson Bldg., Oakland. Owner, W. M. Greuner, 305 Thomson Bldg., Oakland. Location, Piedmont avenue and Linda street.

Will contain stores on the first floor and a number of two and three room apartments above. Plans complete and segregated figures being taken from non-union contractors.

Contracts Awarded.

OAKLAND, CAL.—Apartment house, 3 story and base, frame, \$40,000. Architect, R. A. Hutchinson, 470 13th street, Oakland. Owner, J. Goldstein. Location, east Madison north of 14th street. Contractors, Goldstein & Weider. Contract price, \$14,000.

BARN.

BUCHLI, NAPA CO., CAL.—Barn, 1 story, frame and concrete, \$2,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, D. Buchli. Concrete walls and floors. Exterior rustic. Plans being prepared.

SEATTLE, WASH.—Barn, 2 story, frame and concrete, \$25,000. Architect, none. Owners, King County. Location, County Farm. Plans being prepared under the direction of J. H. Webster.

BONDS

NEWPORT BEACH, ORANGE CO., CAL.—A resolution has been passed to second reading providing for a bond election of \$125,000 to be held in September to provide funds for the construction of a stone jetty wall on the west side of the entrance to the bay and extending into the ocean 2,000 feet. The issue will also finance certain dredging work along the bay.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—All of the eleven items of the proposed bond issue, totaling \$151,500 were defeated at the special election, including bridges, levees, storm drains, street repairs and fire protection.

EAGLE ROCK, LOS ANGELES CO., CAL.—A bond issue of \$12,000 carried here recently. Three schools will be erected from the proceeds of the sale.

ATBURN, PLACER CO., CAL.—The \$25,000 issue of municipal bonds will be sold to the highest bidder by City Treasurer Brundage on August 10th. The proceeds of the sale will finance the paving of the Placer road from Main street to the city limits and the intersections and terminals of the streets along the main street from depot to depot.

TAFT, KERN CO., CAL.—The Conley School District has voted bonds of \$18,000 to enlarge the present school building.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—Supervisor Tognazzini states that preparations are being made in Supervisor District No. 2 to call an election to vote bonds of \$150,000 for building a concrete highway from the edge of the district just north of San Luis Obispo to San Simeon, a distance of forty-five miles.

FOLSOM, SACRAMENTO CO., CAL.—This city has voted bonds of \$20,000 for

construction of a modern sewer system. The Folsom Sanitary District was organized to provide for the issuance of the bonds.

SACRAMENTO, CAL.—Following the rendering of a decision by Attorney General Webb, sweeping aside any legal objection to the project, the State Bureau of Tuberculosis, with the co-operation and approval of the Supervisors of Sacramento County, has started a movement for the construction by several counties of a tuberculosis sanitarium in Superior California.

The counties that will be asked to join with Sacramento in the project include Placer, Yolo, Amador, Tuolumne, El Dorado, Solano, Contra Costa, Plumas and Nevada.

EAGLE ROCK, LOS ANGELES CO., CAL.—The Board of Trustees will call an election shortly to vote bonds of \$60,000 for a new school. If the election carries, architects will be asked to submit competitive plans for the proposed structure.

FULLERTON, ORANGE CO., CAL.—An election will be held August 25 for the purpose of voting a school bond issue in the sum of \$35,000 to be expended as follows: \$25,000 manual training and garage building; \$10,000 swimming pool. The pool, as proposed will be 100x40 feet, and constructed of cement.

MODESTO, STANISLAUS CO., CAL.—A meeting will be called shortly for the purpose of setting the date for an election to vote \$165,000 bonds of the Waterford Irrigation District. Of this sum \$254,000 will be used for a right of way of the main canal from the La Grange dam, and \$211,000 for building the distributing system for the district.

MARTINEZ, CONTRA COSTA CO., CAL.—Bonds in the sum of \$51,000 have been voted to finance the erection of a two-story brick or frame school building.

McSWAIN SCHOOL DISTRICT, MERCED CO., CAL.—Bids are being taken by the County Supervisors for the purchase of the \$25,000 bond issue of the McSwain School District. The sale of the bonds will finance the construction of a new school.

CALMICHAEL IRRIGATION DISTRICT, SACRAMENTO CO., CAL.—Bonds of \$57,600 have been voted for irrigation work and bids for the purchase of the entire issue are being taken by the directors of the district.

BRIDGES, DAMS AND HARBOR WORK

NEVADA CITY, NEVADA CO., CAL.—Bridge, timber and concrete. Cost not stated. Engineer, County Surveyor, Nevada City. Owners, Nevada and Yuba Counties. On August 2nd, the Supervisors held a special meeting to receive bids for the new bridge across Dry Creek at Spencerville, the cost of which is to be borne equally by Yuba and Nevada Counties. As no bids were

received, the matter has been laid on the table. Whether the road and bridge will be built is a question to be decided in the future.

AUBURN, PLACER CO., CAL.—Bridge, timber and concrete. Cost not stated. Engineer, County Surveyor, Auburn. Owners, Placer County. Bids will be opened on August 8th at 10 a. m. for the construction of a wooden bridge upon concrete pier and abutments across Auburn Ravine at the so-called Virginitown Crossing in Sec. 17 Tp. 12 N., R. E., M. D. B. & M.

NAPA, NAPA CO., CAL.—Bridge and abutments, reinforced concrete. Cost not stated. Engineer, County Surveyor, Napa. Owners, Napa County. The County Supervisors have instructed the Clerk to advertise for bids for the construction of abutments and wing walls for a bridge near Rutherford. Plans for the work may be had from the County Clerk.

NAPA, NAPA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Napa. Owners, Napa County. Bids will be opened on August 31st at 2 p. m. for the construction of abutments and wing walls for bridge across slough on county road leading easterly from Rutherford, about 150 yards west of the bridge across Napa River in Supervisorial District No. 2.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Bridges, steel and reinforced concrete. Cost not stated. Engineer, County Surveyor, San Bernardino. Owners, San Bernardino County. Until 11 a. m. August 28th. Bids will be received by the Board of Supervisors for constructing two steel riveted low-truss highway bridges across the Santa Ana River, known as the Orange street bridge and the Tippecanoe bridge, according to plans and specifications on file in the office of said Board and at the office of the County Surveyor. Certified check for 5 per cent. L. R. Patty, Clerk.

QUINCY, PLUMAS CO., CAL.—Bridges, 2, reinforced concrete and steel, \$10,000 and \$7,500. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, Plumas County. Bids will be opened on September 4th at 10 a. m. for a reinforced concrete bridge over Wolf Creek and for a steel structure on the Gentry Lane Crossing. Plans can be secured from either the engineers or the County Surveyor.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridge steel and reinforced concrete, \$50,000. Engineers, Mayberry & Johnson, L. A. Owners, Santa Barbara County. Plans for the Quemado bridge have been completed, and bids for the work will be called for shortly. The plans for the structure are now being considered by the State Highway Commission.

FRESNO, FRESNO CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. The Board of Trustees has ordered the improvement of South Angus street from Hazelton Addition to the Odd Fellow's Addition by the construction of oil and macadam paving and corrugated iron culverts in accordance with plans and specifications on file at the office of the City Clerk. E. H. Chapin is the superintendent of streets.

Contracts Awarded.

SAN FRANCISCO—Wharf extension, \$10,112. Engineer, Assistant State En-

gineer, Ferry Bldg., S. F. Owners, State of California. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price, \$10,112.

SACRAMENTO, CAL.—Bridges, 2 steel and reinforced concrete. Cost as follows. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. The State Highway Commission has awarded a contract to the Ross Construction Co., Forum Bldg., Sacramento for the construction of two reinforced concrete bridges between Baird and Antler in Shasta County. The bid of the firm was \$24,676.38. The longest of the two bridges will be 541 feet, to be built across the Sacramento River. The other will be 120 feet long and will span Salt Creek. The contract was previously awarded to Howard S. Williams, Hearst Bldg., S. F., for a little more than \$18,000, but has been rejected.

OAKLAND, CAL.—Bridge, reinforced concrete, \$1,885. Engineer, County Surveyor, Oakland. Owners, Alameda County. Contractors, Western Construction Co., Russ Bldg., S. F. Contract price, \$4,885. A complete list of the bids received will be found under the heading of Oakland and Alameda County in this issue.

TACOMA, WASH.—Dock, timber and steel. Cost not stated. Engineer's name not given. Owners, Chicago, Milwaukee & St. Paul Railroad Co. Contractors, J. A. McEachern Co., Bell Street Dock, Seattle. The railway company will furnish all materials and will do the superstructure work by Day Labor. About 2,400 piles will be used under McEachern's contract.

CHURCHES

OAKDALE, STANISLAUS CO., CAL.—Church 1 story and base, frame and concrete, \$9,744. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, First Methodist Church. Voorhees & Son, Lodi, presented the low figures for this work and will probably be awarded the contract.

SAN FRANCISCO—Mission church alterations, brick. Cost not stated. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Chinese Methodist Mission. Location, northwest Stockton and Washington streets. Plans complete and figures being taken.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Machine shop, 2 story and base, frame, \$3,000. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owners, Pacific Gear and Tool Co. Location, south Polson east of Columbia, covering an area of 40 by 75 feet. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Factory, 1 story, frame, \$2,500. Architect, Edward T. Poulkes, Crocker Bldg., S. F. Owners, Hall-Scott Motor Car Co. Location, 5th and Snyder streets. Will contain one large room. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Factory, 1 story, corrugated iron, \$1,500. Architect, none. Owner, H. W. Hutton, Pacific Bldg., S. F. Location, 28th and Main streets. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Packing house, 1 story, brick, \$20,000. Architect, none. Owners, Cudahy Packing Co., Fresno. Location, near S. P. tracks. Will cover an area of 40 by 80 feet. Plans prepared and figures to be called for shortly.

SEATTLE, WASH.—Grain elevator, steel and reinforced concrete, \$150,000. Engineer, Port of Seattle Commission, Seattle. Owners, City of Seattle. Working drawings for doubling the capacity of the Port of Seattle Commission's grain elevator at the foot of West Hanford street are now under way in the office of the chief engineer, and will probably be out for contractor's figures early next month. The contracts will be divided into two units, one for the substructure and the other for the superstructure. The buildings will be of reinforced concrete construction, including thirty storage bins each 18 feet in diameter and 90 feet high. The capacity will be approximately 600,000 bushels.

Contracts Awarded.

ALTURAS, MODOC CO., CAL.—Oil station, 5 buildings and 3 large tanks. Cost not stated. Engineer, Engineering Department, Standard Oil Co., S. F. Owners, Standard Oil Co. Contractor, J. C. Jarman, Alturas. Contract price not stated.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, William Oszdorff, 125 Guerrero street, S. F. Location, north Page east of Pierce. Will contain four flats of four and five rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flat alteration, 2 story and base, frame, \$2,500. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location 8th avenue, Richmond District. Plans complete and figures being taken.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$5,000 each. Architect, none. Owner J. Johnson, 150 17th avenue, S. F. Location, east 17th avenue north of Clement. Each building will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

GARAGES

BERKELEY, ALAMEDA CO., CAL.—Garage, 1 story and base, brick, \$5,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Charles Dull. Location, Woolsey and Shattuck avenue, covering an area of 112 by 50 feet. Plans being prepared.

OAKLAND, CAL.—Garage, 2 story and base, Class C, \$25,000. Architect, Mr. Stevenson, Thomas Bldg., Oakland. Owner, W. M. Greuner. Location, Grant avenue east of Webster. Designed for a commercial garage. Plans complete and figures being taken from non-union contractors.

PORTLAND, ORE.—Garage, 2 story and base, reinforced concrete, \$20,000. Architects, Whitehouse & Foulboux, Wilcox Bldg., Portland. Owners, Fisher-Thorsen Co. Location, 16th and Washington streets. Designed for a commercial garage. Plans complete and figures being taken.

Contracts Awarded

SEATTLE, WASH.—Garage, 3 story and base, reinforced concrete, \$60,000. Architect, Julian T. Everett, Boston Block, Seattle. Owners, Kelly-Springfield Co. Contractors, Warrack Construction Co., Lyon Bldg., Seattle. Contract price, \$60,000.

GOVERNMENT WORK & SUPPLIES**North Head, Wash., Radio Mast.**

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., July 22 for one wooden radio mast at the naval radio station, North Head, Wash.:

Bert Ward, 513 31st avenue, Seattle, Wash., \$7,290; time 120 days.
Martin & Dugan Construction Co., Northern Bank Bldg., Seattle, Wash., \$8,000; 6 months; deduct for using galvanized cast steel rope, \$600.

M. A. Benhennick, 718 8th street, Bremerton, Wash., \$11,778; 6 months.
The Ilwaco Mill & Lumber Co., Ilwaco, Wash., \$16,480; 8 months.

Lee & Rogers, Ilwaco, Wash., \$14,987; 70 days.

Pearson Construction Co., Seattle, Wash., \$12,800; 5 months.

J. C. Rockford & R. B. Shepherd, 205 Boston Block, Seattle, Wash., \$14,315; 40, time not stated.

Lander, Wyo., Drainage System.

The contract for changes in drainage system at the U. S. post office, Lander, Wyo., has been awarded to Sam Jensen, of Lander, Wyo., at \$3,140; time 60 days.

HALLS AND SOCIETY BUILDINGS.

SAN RAFAEL, MARIN CO., CAL.—Lodge hall, 2 story and base, frame, \$5,000. Architect, Charles W. Drysdale, Sharon Bldg., S. F. Owners, San Rafael Elks' Hall Association. Will contain lodge rooms and offices. Plans complete and figures being taken.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Country club, 1 and 2 story and base, frame and concrete, \$50,000. Architect, Bertram Goodhue, 2 West 47th street, New York. Owners, Santa Barbara Country Club. Only preliminary plans have been prepared.

HOSPITALS

TACOMA, WASH.—Nurses' home, 2 story and base, reinforced concrete, \$50,000. Architects, Heath & Gove, National Realty Bldg., Tacoma. Owners, Tacoma General Hospital, S. M. Jackson, President. Preliminary plans only prepared.

Contracts Awarded.

SAN FRANCISCO—Hospital repairs, reinforced concrete stairs, \$2,055. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owners, French Hospital Association. Contractor, C. E. MacMullin, 180 Jessie street, S. F. Contract price, \$2,055.

HOTELS

SAN FRANCISCO—Hotel, 6 story and base, Class A construction, \$150,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. Location, Fifty Vara District. Will contain 100 rooms. Plans being prepared.

IRRIGATION PROJECTS

WOODLAND, YOLO CO., CAL.—Pumping equipment, \$25,000. Engineer's name not given. Owners, Reclamation District No. 1600. Opening of the bids for building the \$25,000 pumping plant in Reclamation District No. 1600 has been continued. Twelve of the bidders were here at the specified time, but the district refused to open the bids, announcing that several of the larger contractors desired more time.

Contracts Awarded.

RIVERSIDE, RIVERSIDE CO., CAL.—Drainage system, \$52,700. Engineer's name not given. Owners, Drainage District No. 2. Contractor, C. E. Winship, Riverside. Contract price, \$52,700.

LIBRARIES

SANTA BARBARA, SANTA BARBARA CO., CAL.—Library, 2 story and base, reinforced concrete, \$50,000. Architect, Francis W. Wilson, 717 1/2 State street, Santa Barbara. Owners, City of Santa Barbara. Location, Anapamu and Anacapa streets. Will contain two reading rooms, juvenile department, work space and stack room. Plans complete and figures to be taken shortly.

ALAMEDA, ALAMEDA CO., CAL.—Library alterations. Cost not stated. Architect, none. Owners, City of Alameda. Bids will be opened on September 5th at 8 p. m. for alterations and additions in the children's department of the City Library. Plans can be secured from the City Clerk.

POWER PLANTS AND WATER SYSTEMS.

LOS ANGELES, CAL.—Pumping unit, \$15,000. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Bids will be received at once by the Board of Supervisors for installation of a pumping unit in Los Angeles County Water Works District No. 2. Appropriation in the bond issue for this work was \$15,000. Several alternates will be received, as, for instance, wood tank and tower as against steel tank and tower, etc. Specifications on file in the office of the Board.

Contracts Awarded

SAN FRANCISCO—Concrete mixer. Cost not stated. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contract, Norris K. Davies, 400 7th street. Contract price not stated.

SAN FRANCISCO—Stone skips. Cost not stated. Engineer, City Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractors, E. R. Bacon Co., 51 Natoma street, S. F. Contract price not stated.

RAILROAD CONSTRUCTION AND EQUIPMENT.

FULLERTON, ORANGE CO., CAL.—Railroad construction, \$550,000. Engineer, Engineering Department Santa Fe Railroad Co., L. A. Owners, Santa Fe Railroad Co. The Santa Fe Railway has a force at work double tracking the road from Fullerton to Los Angeles, a distance of 24 miles. Bridges and cuts are being widened and fills put in.

Contracts Awarded

SELIGMAN, ARIZ.—Railroad reservoir, concrete, \$50,000. Engineer, En-

gineering Department Santa Fe Co., L. A. Owners, Santa Fe Railroad Co. Contractors, Occidental Construction Co., 2643 Andrews street, L. A. Contract price, \$50,000.

PORTERVILLE, TULARE CO., CAL.—Railroad construction. Cost not stated. Engineer's name not given. Owners, Visalia and Southern Pacific Co. Contractors, Robert Sherer & Co., Pacific Electric Bldg., L. A. Contract price not stated. Twenty miles of roadbed.

RESIDENCES

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$10,000 each. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 11th avenue, S. F. Location, Sea Cliff. Each house will contain ten rooms, three baths and separate garages. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, F. Nelson, 2701 Lincoln Way, S. F. Location, west 25th avenue north of Irving. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,500. Architect, none. Owner, Alfred Cords, First Savings Bank Bldg., Oakland. Location, east Manor Drive south of Jerome. Will contain eight rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$4,000. Architect, James H. Vollmer, 1153 Regent street, Alameda. Owner, T. F. Murphy. Location, Fourth Avenue Heights. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,250. Architect, none. Owner, J. E. Murphy, 1823 Grove street, Oakland. Location, Emerald south of 42nd street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, east Acton north Francisco. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 3, 1 story and base, frame, \$2,000 each. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, Francisco west of Franklin. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Edward G. Billes, 660 Market street, S. F. Owners, C. F. and L. B. Wieland, Hotel Claremont, Berkeley. Location, east Alvarado south Eucalyptus. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, G. L. Mohr, 2655 University avenue, Berkeley. Location, west San Carlos avenue, Nova Piedmont. Will contain seven

rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 5, 1 story and base, frame, \$1,700 each. Architect, F. Hoberg Reimers, 2125 Shattuck avenue, Berkeley. Owners, Ray View Construction Co. Location, Berryman street. Each house will contain five rooms and bath. Plans being prepared and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$1,600. Architect, none. Owner, H. S. Butler, 5618 Oak Grove avenue, Oakland. Location, South Pedestrian Way east Claremont. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,800. Architect, Alvin J. Stern, 206 14th street, Oakland. Owner, Alfred Harris. Location, Santa Clara avenue and Stanton. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame \$3,400. Architect, none. Owner, M. F. Nolan, 228 Noe street, S. F. Location, west 21st avenue south California. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,800. Architect, none. Owner, A. R. Lapham, 511 12th avenue, S. F. Location, northwest Balboa and 18th avenue. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, A. R. Lapham, 511 12th avenue, S. F. Location, east 12th avenue north Cabrillo. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$4,000 each. Architect, William Koenig, Humboldt Bank Bldg., S. F. Owner, Margaretha J. Koenig. Location, east 13th avenue north Cabrillo. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$15,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, P. J. Muller. Location, 13th avenue near Fulton. Will contain sixteen rooms, four baths and separate garage. Plans being prepared.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owner, C. A. Hall, 1318 4th avenue, S. F. Location, east 12th avenue south Balboa. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$12,000. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. Location, Forest Hill. Will contain twelve rooms, three baths and basement garage. Plans complete and figures being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$30,000. Architect, G. Albert Landsburgh, 709 Mission street,

S. F. Owner, Fred B. Henderson. Location, northwest Washington and Laurel. Will contain fourteen rooms, four baths and separate garage. Plans being prepared.

PASADENA, LOS ANGELES CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Robert M. Taylor, Marsh-Strong Bldg., L. A. Owner, W. E. Buke. Location, Oak Knoll. Will contain seventeen rooms and four bath rooms, separate garage and other out buildings. Plans complete and figures being taken.

Contracts Awarded.

LOS ANGELES, CAL.—Residence, 2 story and base, frame, \$20,000. Architect, Frank F. Rasche, Story Bldg., L. A. Owner, C. B. McCoy. Location, Virginia Road near St. Charles Place. Contractor, Charles D. Wagner, Story Bldg., L. A. Contract price, \$20,000.

LOS ANGELES, CAL.—Residence, 2 story and base, frame, \$14,000. Architect, Frank F. Rasche, Story Bldg., L. A. Owner, E. C. Hosmer. Location, Virginia Road near St. Charles Place. Contractor, Charles D. Wagner, Story Bldg., L. A. Contract price, \$14,000.

LOS ANGELES, CAL.—Residence, 1 story and base, hollow tile. Cost not stated. Architects, Grable & Austin, 37 South Raymond avenue. Pasadena. Owner, Simon J. Murphy. Contractors, Grable & Austin, 37 South Raymond avenue, Pasadena. Contract price not stated.

PASADENA, LOS ANGELES CO., CAL.—Residence, 2 story and base, hollow tile, \$30,000. Architects, Marston & Van Pelt, Chamber of Commerce Bldg., Pasadena. Owner, George Weber, 1066 San Pasqual street, Pasadena. Contractor, John H. Simpson, 1041 East Colorado street, Pasadena. Contract price, \$30,000.

SCHOOLS

EASTERBY SCHOOL DISTRICT, FRESNO CO., CAL.—School repairs, plumbing, etc. Cost not stated. Architect, none. Owners, Easterby School District. Bids will be opened on August 14th. Plans can be secured from J. M. Euless, Clerk, at 2140 Tulare St., Fresno.

FRESNO, FRESNO CO., CAL.—School toilets, 5, \$2,000. Architect, none. Owners, City of Fresno. The Board of Education will install five toilets in the Columbia and Jefferson Schools by Day Labor.

SAN FRANCISCO—School, 2 and 3 story and base. Class A construction, \$150,000. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. Location, Cheney and Fairmount avenue. Will contain twenty-four rooms, departments for manual training and domestic science. Preliminary plans only prepared. Further mention to be made of this work.

SAN FRANCISCO—School, 2 story and base, frame, \$10,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. John's Parish. Location, St. Mary's avenue between Marsilly and Bosworth. Designed for a convent school. Plans complete and figures being taken.

SAN FRANCISCO—School, 3 story and base, frame, \$20,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. John's Parish. Location, St. Mary's between Marsilly and Bosworth. Designed for a parochial

school and will contain class rooms and an auditorium. Plans complete and figures being taken.

MODESTO, STANISLAUS CO., CAL.—School, 1 story and base, brick and hollow tile, \$33,000. Architect, Joseph Bell De Remer, Los Angeles. Owners, Modesto School District. Location 1 street. Will contain eight class rooms, domestic science and manual training departments and an auditorium seating 100 people. Plans complete and figures close September 30th.

DANVILLE, CONTRA COSTA CO., CAL.—School, 1 and 2 story, frame, \$15,000. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, Danville School District. Will contain nine rooms, office and library. Plans complete and figures being taken. Bids open August 12th at 8 p. m.

VALLEJO, SOLANO CO., CAL.—School, 2 story and base, brick. Cost not stated. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, St. Vincent's Parish. Designed for a convent school, and will contain class rooms, library, gymnasium and office. Plans complete and figures being taken. Bids close in two weeks.

TRACY, SAN JOAQUIN CO., CAL.—School well boring. Cost not stated. Engineer, none. Owners, West Side Union High School District. Bids will be opened on August 12th for boring a well 10 or 12 inches in diameter and about 300 feet deep.

SUTTER CITY, SUTTER CO., CAL.—School, 1 story and base, reinforced concrete, \$15,000. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Brittan Grammar School District. Will contain six rooms and an assembly hall. Plans complete and figures to be called for at once.

RIPON, SAN JOAQUIN CO., CAL.—School, 2 story and base, brick. Cost not stated. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Ripon High School District. Will contain ten class rooms, auditorium and departments for manual training and domestic science. Plans complete and bids to be opened on August 16th at 7:30 p. m. Separate figures for general construction, heating and ventilating and plumbing.

TRACY, SAN JOAQUIN CO., CAL.—School, 1 and 2 story and base, reinforced concrete and brick, \$60,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Tracy School District. Will contain ten rooms, auditorium and departments for manual training and domestic science. Plans complete and figures to be opened on August 12th. Separate figures being taken for general construction, heating and ventilating, electric work and plumbing.

WATSONVILLE, SANTA CRUZ CO., CAL.—School, 1 story and base, frame, \$12,000. Architect, Ralph Wyckoff, Watsonville. Owners, City of Watsonville. Will contain four class rooms and an assembly hall. Plans being prepared.

SAN JOSE, SANTA CLARA CO., CAL.—School addition, 1 and 2 story, reinforced concrete and brick, \$54,000. Architect, William Binder, Rea Bldg., San Jose. Owners, City of San Jose. Will consist of an addition for the gymnasium, a complete economics building and swimming tank. Plans being prepared. Ready for figures about August 25th.

SAN JOSE, SANTA CLARA CO., CAL.—School, 1 story and base, frame, \$11,000. Architect, P. G. Aitgen, Thea-

tre Bldg., San Jose. Owners, City of San Jose. Will be known as the Washington School and contain four class rooms. Plans being prepared.

SEATTLE, WASH.—School addition, 2 story and base, brick and concrete, \$75,000. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. Location, Dayton avenue. Will contain eight class rooms, auditorium and departments of manual training and domestic science. Plans complete and approved by the Board of Education.

LOS MOLINAS, TEHAMA CO., CAL.—School, 1 story and base, brick, \$6,000. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Los Molinas School District. Will contain one class room. Plans being prepared.

Contracts Awarded

SAN JOSE, SANTA CLARA CO., CAL.—School, 1 story and base, frame, \$23,403. Architect, Charles S. McKenzie, Bank of San Jose Bldg., San Jose. Owners, City of San Jose. Contractor, Peter Jorgenson, Naglee and Dana streets, San Jose. Contract price, \$22,403.

MADERA, MADERA CO., CAL.—School yard work. Cost as follows. Architect, none. Owners, Madera School District. Contractor, A. Gendron, Madera. Contract price, 11c per square foot for sidewalk; 29c per linear foot for curb and 50c per cubic yard for retaining wall.

MORAGA, CONTRA COSTA CO., CAL. School, 1 story, frame, \$9,185. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, Willi Spring School District. Contractors, Keller & Crane, 74 Miramar avenue, S. F. Contract price, \$9,185.

SEWERS, STREET WORK & WATER SYSTEMS

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contractors, Bates, Borland & Ayer, Oakland. Improvement of a portion of Excelsior avenue, be graded, curbed with concrete, guttered with concrete gutter 3 feet wide, paved with oil macadam, sidewalked with cement sidewalks.

PLACERVILLE, PLACER CO., CAL. Street paving. Cost not stated. Engineer, Albert Givan, Sacramento. Owners, Town of Placerville. The City Trustees have adopted plans and specifications for the paving of Main St., as prepared by Engineer Albert Givan of Sacramento. The City Clerk was instructed to advertise for bids. The paving of the street will provide connection with the State Highway. Plans may be had from the City Clerk.

FRESNO, FRESNO CO., CAL.—Sewer system. Cost not stated. Engineers, Gillett & Olmsted, Los Angeles. Owners, City of Fresno. The City Council will probably issue a call for bids at their next meeting for the construction of Fresno's new sanitary sewer system, according to City Engineer B. A. Cronkite, who has plans for the work ready for approval.

SAN FRANCISCO.—Paving brick. Cost not stated. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The San Francisco Board of Public Works has been authorized by the Supervisors to call for bids to furnish vitrified paving brick to the City and County of San

Francisco for the fiscal year 1916-1917. Bids close August 16, 1916. For further information apply to the City Engineer, 3rd floor, City Hall.

SANTA ROSA, SONOMA CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners Sonoma County. Bids will be opened on August 16th at 12 noon for the resurfacing of the following described roads: Approximately 1.1 miles on Sonoma road, beginning at the city limits of the city of Santa Rosa; approximately 1.4 miles on the Petaluma road, beginning at the city limits of the City of Santa Rosa; approximately 1½ miles on the Sonoma and Santa Rosa road, beginning at the city limits of the city of Sonoma; approximately 1½ miles of the Two Rock road, beginning at the city limits of the city of Petaluma; and approximately 1 mile on the Valley Ford and Bloomfield road, beginning at the township line dividing Napa and Boldega townships; thence through Valley Ford.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer Oakland. Owners, City of Oakland. Bids will be opened on August 17th for street improvements authorized under the following resolutions: That 75th avenue from the southwest line of East 14th street to the northeast line of Snell street, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement sidewalks 6 feet wide; also that five corrugated iron and concrete culverts be constructed; three corrugated iron and concrete culverts, each having two branches; a sewer having an internal diameter of 8 inches; Y branches each having a 5-inch opening, grading and paved with oil macadam.

ALAMEDA, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Alameda. Owners, City of Alameda. Bids will be opened on August 15th at 8 p. m. for the improvement of Central avenue, from the east line of Sherman street to the east line of 4th street, by grading and paving with an asphalt concrete wearing surface or a bituminous rock concrete wearing surface on a concrete base, and constructing concrete gutters and gutter bridges, concrete curbing and corrugated iron culverts.

SAN JOSE, SANTA CLARA CO., CAL.—Highway improvements. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on August 21st at 11 a. m. for the improvement of highways authorized under the following resolutions: For the improvement of Lincoln avenue in Supervisor District No. 4; for the improvement of San Martin avenue in Supervisor District No. 1; for the improvement of Campbell avenue in Supervisor District No. 4; for the improvement of Lawrence station road in Supervisor District No. 4.

GLOBE, GILA CO., ARIZ.—Highway construction, \$350,000. Engineer, County Surveyor, Globe. Owners, Gila County. Until 10 a. m. August 14 bids will be received by the Board of Supervisors for constructing a 6-mile concrete paving contract under specifications prepared by the Gila County Highway Department, R. G. Thomas, County Engineer; the county has cash

funds available from the bond issue. The work consists of 5 miles of Globe-Miami highway and 1 mile of the Winkelman-Hayden highway. Plans, profiles, etc., may be obtained at the office of the County Engineer by depositing \$10, this fee to be refunded on return of plans and specifications. (It is understood the county has about \$350,000 worth of highway work to be done, this being the first of the contracts offered).

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened as follows for street improvements authorized under the following resolutions: That H street, from 21st street to Mont Clair avenue, be improved by constructing concrete curb, concrete gutter, 138 linear feet of concrete gutter of special design, 6 and 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes complete; concrete sidewalk; grading the space between the property line and curb; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick; reconstructing 10 concrete manholes by placing same to official grade.

That J street, from Ashby avenue to Apricot avenue, be improved by constructing concrete curb, concrete gutter; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; constructing 6 and 8-inch, vitrified, ironstone sewer pipe drains; reconstructing existing concrete manhole; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick, and filling in behind the curbs with earth for a distance of 8 feet.

That First avenue in Oak Grove, from Lower Stockton road to Central avenue, be improved by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; constructing 6-inch, vitrified ironstone sewer pipe drains; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway from the east line of the Lower Stockton road to west line of Central avenue, and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

That 17th street, from C street to D street, be improved by constructing concrete curb, concrete gutter; filling in behind the curbs with earth; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; reconstructing one concrete manhole, filling in two old catch basins with earth; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat,

and an asphaltic concrete wearing surface 1½ inches thick.

SAN LEANDRO, ALAMEDA CO., CAL.—Sewer construction, \$1,016.10. Engineer, City Engineer, San Leandro. Owners, City of San Leandro. Contractor, W. J. Tobin, 735 Filbert street, Oakland. Contract price, \$1,016.10.

STOCKTON, CAL.—Sewer and levee construction. Cost as follows. Engineer, City Engineer, Stockton. Owners, City of Stockton. At the last meeting of the City Council bids for sewer and levee work were opened as follows for the construction of a system of lateral sewers in Brown's, Elain's and Cogoro's additions, and the easterly and westerly extensions of north Stockton, all north of Wyandotte street, Chambers & Heafey, Bacon Bldg., Oakland, \$11,992.61; Frank C. McIntire, \$14,189.97; W. F. Edwards, \$12,422.24. City Engineer's estimate, \$14,767.49. For the construction of lateral sewers in the district north of Fremont, south of Rose and west of Edison street: City Engineer's estimate, \$7,745; W. F. Edwards, 675 31st street, Oakland, \$7,701.16; Chambers & Heafey, \$8,166.10. Two low bids were offered for the improvement of the Webber levee, from Commerce street to a point 150 feet beyond Monroe street. The contract calls for the paving of the levee. City Engineer. Compton's estimate amounted to \$3,916.15 and the lowest offer was made by the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, \$2,247.91. A. R. Munson & Son submitted the next lowest bid, which was also under the Engineer's estimate. Resolutions of award were introduced for the three jobs and will be passed upon finally after the elapse of five days required by law.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That Madrone avenue, from the east line of 37th street to the west line of 40th street, be improved by constructing concrete gutter and concrete curb, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes; 6, 8 and 12-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

That Fourth avenue in Oak Grove, from the sewer in place of Lower Stockton road to the west line of East avenue, be improved by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes, 6 and 8-inch, vitrified, ironstone sewer pipe drains; placing two 6-inch, vitrified, ironstone Y branches; grading the area between the curbs and property line; constructing concrete sidewalk 5 feet in width and 3½ inches thick; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic con-

crete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That J street, from 31st street to east boundary line of Golf Crest, produced, be improved by constructing concrete curb, concrete gutter, 6-inch, vitrified ironstone sewer pipe drains; concrete manholes complete, cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; constructing 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains to be connected with 6-inch, vitrified, ironstone Y branches on 8-inch sewer pipes; grading the space between the property line and curb and constructing thereon concrete sidewalk 6 feet in width and 3½ inches thick; reconstructing eight concrete manholes; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That the alley between M and N streets, from 4th to 5th streets, be improved by reconstructing one concrete manhole by placing same to official grade; constructing one concrete catch basin by placing same to official grade and supplying new cast iron curb and cover; grading the roadway and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The following contracts have been awarded by the City Commissioners: To F. C. Cretser, rear 1821 T street, Sacramento, that 28th street, from B to Y be improved by constructing concrete walk 6 feet in width and 3½ inches thick, and grading the space between the sidewalk and curb; also that 27th street from B street to Y street, be improved by constructing concrete iron concrete sidewalk 6 feet wide and 3½ inches thick and grading the space between the sidewalk and curb; also that 26th street, from B street to Y street, be improved by constructing concrete sidewalk 6 feet in width and 3½ inches thick and grading the space between the sidewalk and curb.

To J. W. Terrell, 1111 29th street, Sacramento: That Lower Stockton Road be improved from 7th avenue in Oak Grove to Waring Court in Capitol Heights, and that Whiskey Hill Road be improved from Lower Stockton road to a point 750 feet westerly from the center line of Lower Stockton road by constructing an 8 and 10-inch, vitrified, ironstone pipe sewer; constructing six concrete manholes complete and one 8-inch ironstone inlet.

STREET IMPROVEMENTS—Cost as follows. Monterey, Monterey Co., Cal. Engineer, City Engineer, Monterey. Owners, City of Monterey. Street contracts has been let as follows: Improvement of Pearl street to Ruthven & Cerrano, Monterey, on their bid of

\$3,302. For the improvement of Washington street to T. A. Work at \$5,-666.50. To Edward M. Chadbourne, 593 Market street, San Francisco, for the resurfacing of Munras avenue, Scott, Polk and Madison streets and Light-house road on his bid of \$9,350.

VALLEJO, SOLANO CO., CAL.—Paving. Cost not stated. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. The City Council has set August 15th as the date for receiving bids for the paving planned in the northern paving district. Plans may be had from the City Clerk.

SAUSALITO MARIN CO., CAL.—Sewer construction. Cost not stated. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. Bids will be opened on August 14th at 8 p. m. for the installation and construction of a 6-inch, vitrified, salt-glazed, ironstone sewer pipe line, 329 feet long on West street, from the south line of North street to the center line of Richardson street, together with two lampholes and fourteen Y branches.

Contracts Awarded.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Street improvement contracts have been awarded as follows: The improvement of Fair avenue between Coleridge and Prospect avenue and a portion of Lundy's Lane, including artificial stone sidewalks and concrete curbs on Coleridge street and Prospect avenue, by grading, concrete walls, curbs, copings, artificial stone sidewalks, concrete steps, vitrified brick pavement and one brick catch basin with 10-inch, vitrified, salt-glazed, ironstone pipe culvert. Awarded to Peterson & Grier, 62 Post street, S. F., for \$3,701.26.

The improvement of Santiago street between the west line of 23rd avenue, produced, and the west line of 24th avenue, by grading, the construction of concrete curbs, artificial stone sidewalks 6 feet wide, a broken rock pavement on the roadway thereof and by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with nine Y branches and one brick manhole. Awarded to the State Improvement Co., Crocker Bldg., S. F., for \$1,759.65.

The improvement of Downey street from the north line of the San Miguel ranch line to Ashbury street and the west half of Ashbury street opposite the termination of Downey street, by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 17 Y branches and 3 brick manholes; granite curbs; artificial stone sidewalks; a 14-foot central strip of vitrified brick pavement and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface upon the remainder of the roadway. Awarded to Peter McHugh, 3908 Clay street, S. F., for \$3,510.40.

The improvement of Ellsworth street from Eugenia avenue to Tompkins avenue by the construction of 8 and 12-inch, vitrified, salt-glazed, ironstone pipe sewer with ten Y branches and two brick manholes, three brick catch basins, 10-inch, vitrified, salt-glazed, ironstone pipe culverts, concrete curbs; artificial stone sidewalks; a 14-foot central strip of vitrified brick pave-

ment, an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway. Awarded to D. L. Bienfield, Phelan Bldg., S. F., for \$8,528.19.

The improvement of 19th avenue between Wawona street and Sloat Boulevard by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 12 and 15-inch with 22 Y branches and 4 brick manholes; the construction of concrete curbs; two brick catch basins with cast iron frames, gratings and traps and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Felex McHugh & Son, 372 7th avenue, S. F., for \$4,520.43.

The improvement of 24th avenue between Santiago and Taraval by grading; the construction of concrete curbs; artificial stone sidewalks 6 feet in width in the middle of the sidewalk areas; a broken rock pavement on the roadway, and the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with twelve Y branches and two brick manholes. Awarded to the State Improvement Co., Crocker Bldg., S. F., for \$2,476.70.

The improvement of Railroad avenue between the south line of Yosemite avenue and a line at right angles to the east line of Railroad avenue at its intersection with the south line of Hollister avenue, etc., by the construction of granite curbs; artificial stone sidewalks; brick catch basins; 10-inch, vitrified, salt-glazed, ironstone pipe culverts; by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8, 12, 15, and 18-inch with 84 Y branches, 9 brick manholes, 21 side sewers, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Eaton & Smith, 407 11th street, S. F., for \$34,082.10.

The improvement of Laidley street between Mateo and Miguel streets by the construction of granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to the D. O. Church Co., 68 Post street, S. F., for \$4,800.

OAKLAND, CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts for sewer construction have been awarded as follows: To Ransome-Crummey Co., 1st National Bank Bldg., Oakland, that Laurel avenue, from Hopkins street to southwest line of "Key Route Acres Tract," be graded, curbed with redwood, guttered with concrete gutters 2 feet wide, paved with oil macadam and sidewalked with cement sidewalks 6 feet wide; also two corrugated iron and concrete culverts, each having two branches.

To Baker & Martin, 310 Sheldon Bldg., S. F., that a concrete culvert be constructed in portions of Foothill Boulevard, Church street and Beck street, a pipe conduit having an internal diameter of 24 inches; relay a portion of existing pipe conduit; three

brick storm water inlets and pipe conduits having internal diameters of 10-inches and seven brick manholes with cast iron tops.

To Hutchinson Co., 13th and Franklin streets, Oakland, that Thompson street, from the north line of 45th avenue to the southeast line of 45th avenue, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement sidewalks 6 feet wide.

BERKELEY, ALAMEDA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The contract for the following improvements has been awarded to the Johnson-Shea Co., Central Bank Bldg., Oakland, by the City Council of Berkeley for the roadway of Tamalpais street, from the west extension of the south line of Shasta street north to the west line of Tallac street, the roadway of Tallac street, from the west line of Shasta street west and north to a line drawn from the point of intersection of the north line of Tamalpais street with the north line of Tallac street, etc., be graded, construct concrete curbs, cast iron curb inlets and catch basins with gratings and the roadways of said streets be paved with a concrete pavement 5 inches thick.

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Street improvement contracts have been awarded as follows: The improvement of Fair avenue between Coleridge and Prospect avenues and a portion of Lundy's Lane, including artificial stone sidewalks and concrete curbs on Coleridge street and Prospect avenue, by grading, concrete walls, curbs, copings, artificial stone sidewalks, concrete steps, vitrified brick pavement and one brick catchbasin with 10-inch, vitrified, salt-glazed, ironstone pipe culvert. Awarded to Peterson & Grier, 62 Post street, S. F., for \$3,701.26.

The improvement of Downey street from the north line of the San Miguel Ranch line to Ashbury street and the west half of Ashbury street opposite the termination of Downey street by the construction of a 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 17 Y branches and 3 brick manholes; granite curbs; artificial stone sidewalks; a 14-foot central strip of vitrified brick pavement and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface upon the remainder of the roadway. Awarded to Peter McHugh, 3908 Clay street, S. F., for \$3,510.40.

The improvement of Ellsworth street from Eugenia avenue to Tompkins avenue by the construction of 6 and 12-inch, vitrified, salt-glazed, ironstone pipe sewer with ten Y branches and two brick manholes, three brick catch basins, 10-inch, vitrified, salt-glazed ironstone pipe culverts, concrete curbs; artificial stone sidewalks; a 14-foot central strip of vitrified brick pavement, an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway. Awarded to D. L. Bienfield, Phelan Bldg., S. F., for \$5,328.19.

The improvement of 19th avenue between Wawona street and Sloat Bou-

levard by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 12 and 15-inch with 22 Y branches and 4 brick manholes, the construction of concrete curbs; 2 brick catch basins with cast iron frames, gratings and traps and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Felex McHugh & Son, 372 7th avenue, S. F., for \$4,520.43.

The improvement of 24th avenue between Santiago and Taraval by grading; the construction of concrete curbs, artificial stone sidewalks 6 feet in width in the middle of the sidewalk areas; a broken rock pavement on the roadway and the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with 12 Y branches and 2 brick manholes. Awarded to the State Improvement Co., Crocker Bldg., S. F., for \$2,476.70.

The improvement of Railroad avenue between the south line of Yosemite avenue and a line at right angles to the east line of Railroad avenue at its intersection with the south line of Hollister avenue, etc., by the construction of granite curbs; artificial stone sidewalks, brick catch basins, 10-inch, vitrified, salt-glazed, ironstone pipe culverts, by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8, 12, 15 and 18-inch with 84 Y branches, 9 brick manholes, 21 side sewers, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Eaton & Smith, 407 11th street, S. F., for \$34,082.10.

The improvement of Laidley street between Mateo and Miguel streets by the construction of granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch wearing surface on the roadway thereof. Awarded to the D. O. Church Co., 68 Post street S. F., for \$4,800.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contractors, Bates, Borland & Ayer, Oakland. Improvements of a portion of Excelsior avenue by grading, curbed with concrete, guttered with concrete gutters 3 feet wide, paved with oil macadam, sidewalked with cement sidewalks.

MONTREY, MONTEREY CO., CAL.—Street improvements. Cost as follows. Engineer, City Engineer, Monterey. Owners, City of Monterey. Street contracts have been let as follows: Improvement of Pearl street to Ruthven & Cerrano, Monterey, on their bid of \$2,302. For the improvement of Washington street to T. A. Work at \$5,666.50. To Edward M. Chadbourn, 503 Market street, San Francisco, for the resurfacing of Munras avenue, Scott, Polk and Madison streets, and Lighthouse road, on his bid of \$9,356.

STORES AND OFFICES

SAN FRANCISCO—Stores and lofts, 3 story and base, brick, steel and concrete, \$85,000 to \$100,000. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, I. L. and B. C. Brown,

leased to Newman's Furniture Co. Location, southeast 17th and Mission streets, covering an area of 110 by 162½ feet. Plans being prepared.

SAN FRANCISCO—Stores, 1 story and base. Cost not stated. Architect, D. C. Coleman, Merchants' National Bank Bldg., S. F. Owner, William Helbing. Location, Golden Gate avenue and Leavenworth. Will contain several small stores. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Stores and lofts, 3 story and base, brick, steel and concrete, \$85,000 to \$100,000. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, I. I. and B. C. Brown, leased to Newman's Furniture Co. Location, southeast 17th and Mission Sts., covering an area of 110 by 162½ feet. Plans being prepared.

SAN FRANCISCO—Offices, 10 story and base. Class A construction, \$1,500,000. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, Southern Pacific Co. Location, Market and Spear streets. Mr. Bliss states that a number of figures were received on Thursday, August 3rd, for the construction complete and for several portions of the work under separate contracts. These figures have been referred to the officials of the Southern Pacific Co. for consideration. No information could be secured as to the firm presenting the low figure, or whether or not the work would be let as a whole or segregated. Several days will be required to determine how the work will be awarded.

OAKLAND, CAL.—Produce building, 1 story and base, brick, \$45,000. Architect, Charles W. McCall, Central Co. Location, 3rd and Franklin Sts., covering a large area. Plans complete and figures being taken.

FRESNO, FRESNO CO., CAL.—Store alteration, \$25,000. Architect, none. Owners, Owl Drug Co., L. G. Fernandez in charge, Fresno. Plans complete and segregated figures now being taken.

POMONA, LOS ANGELES CO., CAL.—Stores, 1 story and base, brick. Cost not stated. Architect, C. E. Wolfe, State Bank Bldg., Pomona. Owner, F. P. Forey. Will contain two modern stores. Plans complete and figures being taken.

PORTLAND, ORE.—Stores and offices, 5 story and base, brick and steel, \$75,000. Architect, J. V. Bennes, Chamber of Commerce Bldg., Portland. Owners, Hexter & Strausses. Location, southwest 11th and Morrison. Will cover a large ground area. Stores on first floor and offices above. Plans being prepared.

THEATRES

THEATRE AND OFFICES—9 story and base. Class A construction, \$200,000. Vancouver, B. C. Architect, B. Marcus Pretica, Pantanges Theatre Bldg., Seattle; World Bldg., Vancouver. Owner, Alex. Pantanges. Location, Hastings street, covering an area of 104 by 120 feet. Plans complete and figures being taken. Plans can be had from either the Seattle or Vancouver office.

VANCOUVER, B. C.—Theatre and offices, 9 story and base. Class A construction, \$200,000. Architect, B. Marcus Pretica, Pantanges Theatre Bldg., Seattle; World Bldg., Vancouver. Own-

er, Alex. Pantanges. Location, Hastings street, covering an area of 104 by 120 feet. Plans complete and figures being taken. Plans can be had from either the Seattle or Vancouver office.

SEALED PROPOSALS

CALL FOR BIDS.

NOTICE IS HEREBY GIVEN that the Board of Trustees of Crystal School District will receive sealed bids for the furnishing of 470 seats for the new auditorium of said Crystal School District at Suisun, Cal.

Said bids must be delivered to the undersigned on or before **August 17, 1916, at 7 o'clock P. M.** at my office in Suisun, Cal.

The bids shall include delivery and installation according to plans.

The Board reserves the right to reject any or all bids.

J. A. WILSON,
Clerk of Board of Trustees. (*)

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Powell, Wyo., until **2 o'clock p. m. August 18, 1916**, for the construction of canals on the Shoshone project, Wyoming, involving 72 about 700 cubic yards of excavation. The work is located near the stations of Mantua and Frannie, Wyo., on the C. & Q. Railroad. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Powell, Wyo. **WILL R. KING**, acting director.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1068—Proposals for Cold-Rolled Steel, Chain, Wire Lath, Manganese Steel Castings, Bolts, Rivets, Nuts, Lag Screws, Washers, Cast-Iron Pipe and Fittings, Lead Pipe and Fittings, Brass Tubing, Brass Pipe, Fittings, Shower Heads, Cocks, Engine Lubricators, Door and Window Hardware, Oil-Burning Boilers, Laundry Machinery, Steel Lockers, Steam Tables, Food-Service Wagon, Chairs, Pressers, Floor and Wall Tiles, Porthole Glasses, Detonators, Index Cards, Manila Folders, and Manifold Books.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. August 18, 1916**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1068) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. **EARL I. BROWN**, major, corps of engineers, U. S. A., general purchasing officer.

PROPOSALS FOR ICE PLANT.

ICE PLANT—Sealed proposals, Incorporated "Proposals for Ice-making and Cold-storage Plant," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. September 2, 1916**, and then and there publicly opened, for an ice-making and cold-storage plant for the U. S. marine barracks, Pekin, China. Plan and specification may be obtained on application to the bureau. **F. H. HARRIS**, chief of bureau.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1066—Proposals for Kerosene and Gasoline. Annual estimate for the period ending June 30, 1917.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. August 10, 1916**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1066) may be obtained from this office or the offices of the assistant purchasing agent,

Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. **EARL I. BROWN**, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1067—Proposals for Dumbbells, Window Hardware, Elevators, Dumbwaller, Steel Cable, Refrigerators, Bone-Black and Spud Timbers.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. August 11, 1916**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1067) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. **EARL I. BROWN**, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1065—Proposals for Structural Steel, Steel Plates, Planished Iron, Ridge Roll, Manganese Steel Links and Pins, Riveting Forces, Post Hole Diggers, Valves, Cast Iron Pipe, Sewer Pipe, Electrical Material, Drafting Instruments, Gauge Lamps, Whistles, Oil cups, Jacks, Padlocks, Grindstone, Clamps, Bristol Board, Asbestos Board, Canvas, Laundry Bags, Rubber Boots, Alcohol, Paints, Linseed Oil, Powdered Graphite, Varnishes, Alumina Substitute, Portland Cement and Millwork.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. August 7, 1916**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1065) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. **EARL I. BROWN**, major, corps of engineers, U. S. army, general purchasing officer.

STATE OF CALIFORNIA.

COMPETITION ANNOUNCEMENT.

The Board of Control of the State of California announces to the architects of California:

That the people of California have authorized the issuance of bonds to the amount of \$1,000,000.00 for the purpose of constructing, furnishing and equipping the San Francisco State Building to be located on the Civic Center in the City and County of San Francisco, California; that these bonds have been sold and the money is now available; that the Board of Control has instituted a competition for the selection of an architect to design and supervise the construction of this building.

Section No. 11 of the Department of Engineering Laws of the State of California, which empowers the Board of Control to institute this competition, provides that the State Architect shall act as architect and advisor in connection therewith.

The competition will be conducted in two stages and is confined to California. The first stage is open to all certified architects of the State of California who have had the necessary experience, subject to the conditions prescribed in the Program of the competition.

The second stage will be open only to eight architects selected by the Jury from those competing in the first stage.

No compensation shall be received by remuneration unless chosen by the Jury and submitting drawings in the second stage. The program for this competition is as follows: The State Architect, Forum Building, Sacramento, California, a written request for a copy of the program. On September 1, 1916, copies of the program will be sent simultaneously to all architects from whom written requests for same have

cific Co. Location, Market and Spear streets. Mr. Bliss states that a number of figures were received on Thursday, August 3rd, for the construction complete and for several portions of the work under separate contracts. These figures have been referred to the officials of the Southern Pacific Co. for consideration. No information could be secured as to the firm presenting the low figure, or whether or not the work would be let as a whole or segregated. Several days will be required to determine how the work will be awarded.

Contracts Awarded

STONE SKIPS—Cost not stated. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractors, E. R. Bacon Co., 51 Natoma street, S. F. Contract price not stated.

HOSPITAL REPAIRS—Reinforced concrete stairs, \$2,655. San Francisco. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owners, French Hospital Association. Contractor, C. E. MacMullin, 180 Jessie street, S. F. Contract price, \$2,055.

WHARF EXTENSION—\$10,112. San Francisco. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price, \$10,112.

CONCRETE MIXER—Cost not stated. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contract, Norris K. Davies, 400 7th street. Contract price not stated.

State Harbor Board Awards Pier Contract.

**Healy-Tibbitts Construction Co. Will
Construct Extension to Pier No. 43
For \$10,112.**

A contract for the extension of Pier No. 43 was awarded by the State Harbor Commissioners at their regular Thursday meeting to Healy-Tibbitts Construction Co. on their bid of \$10,112. The following five firms submitted figures for the work:

Extension of Pier No. 43.	
S. B. Peterson.....	\$12,399
Thomson Bridge Co.....	11,164
Hyde-Harjes Co.....	11,443
Healy-Tibbitts Constr. Co.....	10,112
San Francisco Bridge Co.....	10,560

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2248	Keenan	Keenan	5000
2249	Same	Same	5000
2250	Gnu Invst	Novelty	400
2251	Sulger	Klahn	1000
2252	Rampe	Rampe	3000
2253	Foster	Kleiser	2500
2254	St. Marys Hspil.	Brockhage	1000
2255	Kirby	Kirby	4000
2256	Montrouill	Montrouill	2000
2257	Levin	Disi	1200
2258	Westgate Park.	Blanchard	
2259	Gunzendorfer ..	Universal	4650
2260	Durfee	Hansen	7500
2261	Zellerbach	Macdonald	150000
2262	Fong Suey	Fong Suey	3000
2263	Steinberger	Wilhelm	150
2264	Kelley	Coburn	500
2265	Koenig	Koenig	4000
2266	Koenig	Koenig	4000
2267	Matanovich	Travia	4050
2268	Derham	Campbell	1350
2269	Standberg	McLaughlin	3000

2270	Marse	Fetter	2085
2271	Corridon	Reedy	1000
2272	San Francisco ..	Newsom	4180
2273	Same	Hannah	25873
2274	Same	Anderson	78140
2275	Petrall	Olsen	5000
2276	Leahy	Hamill	7100
2277	Ballen	Parry	2200
2278	Old Peoples Home.	Terry	5470
2279	Same	Gilley	1116
2280	Allec	Scott	1780
2281	Fifth St. Co.....	Paulsen	
2282	Hall	Hall	3000
2283	Hall	Hall	3000
2284	Johnson	Johnson	5000
2285	Johnson	Johnson	5000
2286	Market St. Rlty..	Federal	500
2287	Taylor	Taylor	750
2288	Neil	Neil	1600
2289	Drescher	Drescher	800
2290	Oszdorff	Oszdorff	4000
2291	de Young	Pasqualetti	700
2292	Jacobson	Schorf	600
2293	Meyer	Munster	500
2294	Wichita	Trost	450
2295	City Invst	Jensen	500
2296	Smith	Smith	1000
2297	Stanton	Verner	400
2298	Legallett	Norton	1500
2299	Noonan	Conlan	1000
2300	Lapham	Lapham	2900
2301	Flaherty	Broderick	2800
2302	S P Co.....	Bienfield	
2303	Carroll	Burns	4422
2304	Rulfs	Maudrell	1300
2305	Same	W'n Furnace	1225
2306	Chr Scientist.	McDiarmid	8880

FRAME FLATS

(2248) W GROVE 165 W Masonic. Two-story and basement frame flats. Owner.....Wm. J. Keenan, SE Fulton and Masonic, S. F. Architect...None. Contractor...Wm. J. Keenan, 2 Atalaya Terrace, San Francisco. COST, \$5000

FRAME FLATS

(2249) N GROVE 140 W Masonic. Two-story and basement frame flats. Owner.....Wm. J. Keenan, SE Fulton and Masonic, S. F. Architect...None. Contractor...Wm. J. Keenan, 2 Atalaya Terrace, San Francisco. COST, \$5000

ELECTRIC SIGN

(2250) NO. 920 MARKET. Electric sign. Owner.....Gnu Investment Co., Prem. Architect...None. Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco. COST, \$400

ALTERATIONS

(2251) SE TWENTY-NINTH AND Church. Alter bakery. Owner.....J. Sulger, 142 6th, S. F. Architect...A. Klahn, 27 Chenery, San Francisco. Contractor...A. Klahn & Son, 27 Chenery, San Francisco. COST, \$1000

FRAME DWELLING

(2252) E FORTY-SIXTH AVE 236 N Anza. Two-story and basement frame dwelling. Owner.....Mary Francis Rampe, 1523 Hyde, San Francisco. Architect...one. Day's work. COST, \$3000

ROOF SIGN

(2253) SE MARKET AND SIXTH. Construct roof sign. Owner.....Foster & Kleiser, 273 Valencia, San Francisco. Architect...None. Day's work. COST, \$2500

ENCLOSE ROOF GARDEN

(2344) BLK OF HAYES, SCHRAMER, Grove and Stanyan. Enclose roof garden. Owner.....St. Mary's Hospital, Prem. Architect...None. Contractor...Brockhage, Foley & Green, 1326 Natoma, S. F. COST, \$1000

FRAME FLATS

(2355) W NINTH AVE 125 S Balboa. Two-story and basement frame (2) flats. Owner.....J. C. Kirby, 2152-A Market, San Francisco. Architect...None. Day's work. COST, \$4000

FRAME DWELLING

(2356) W MISSISSIPPI 216 S 20th. One and one-half-story and basement frame dwelling. Owner.....P. W. Montrouill, 270 Anderson, San Francisco. Architect...None. Day's work. COST, \$2000

INTERIOR DECORATIONS

(2257) HAIGHT AND COLE. All work for interior decorations of Haight Street Theatre. Owner.....Samuel H. Levin. Architect...None. Contractor...A. G. Disi, 906 Vallejo, San Francisco. Filed July 29, '16. Dated July 24, '16. On 1st of December.....\$1200 TOTAL COST, \$1200 Bond, none. Limit, 2 weeks after notification. Forfeit, none. Specifications only filed.

CONCRETE PAVEMENT

(2258) MONTEREY BLVD., SANTA Clara Ave. Terrace Drive (west of Santa Clara Ave), St. Francis Plaza, San Anselmo Ave and Roads No. 1 and 2. All work for laying and constructing concrete pavement, including asphaltic concrete wearing surface. Owner.....Westgate Park Co., 80 Post, San Francisco. Engineer...Board of Public Works of San Francisco. Contractor...Blanchard-Brown Co., Call Bldg., San Francisco. Filed July 29, '16. Dated July 28, '16. Monthly payments of.....75% Usual 35 days.....25% PAVING Monterey Boulevard, \$118 per square ft. PAVING all other streets, \$12 per sq. foot. Bond, \$15,000. Surety, The Aetna Accident & Liability Co. Limit, 90 days. Forfeit, \$20. Plans and specifications filed.

FRAME DWELLING

(2259) N CRAFTON 130 E Claremont Bldg. 30x100; Lot 23 and W 6 feet Lot 22 Blk 2976, Merritt Terrace. All work for two-story and basement frame dwelling. Owner.....Adolph Gunzendorfer, 1516 Larkin, S. F.; and Chas. H. Dyett, Russ Bldg., S. F. Architect...Chas. C. Frye, 20 Montgomery, San Francisco. Contractor...Chas. King and B. O. Smith (as Universal Building Co.) 1124 Gough, San Francisco. Filed July 29, '16. Dated July 25, '16. 1st floor joists on.....\$ 650.00 Rough frame up.....1000.00 Rough plaster on.....1000.00

Completed \$37.50
Usual 35 days..... 1162.50
TOTAL COST, \$1650.00
Bond, \$2325. Surety, Bertha Forger.
Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

FRAME RESIDENCE

(2260) E FIFTEENTH AVE 175 S
Lincoln Way S 75x E 127-6. All work except mill work, finish hardware, electric light fixtures, glass, painting (setting of mill work and finish hardware included in work) for three frame residences.

Owner.....Elizabeth C. Durfee, 1740 Pacific Ave., S. F. and Mary M. Callundan, 1816 Fell, San Francisco.

Supt. ...The H. H. Winner Co., Nevada Bank Bldg., S. F.

Contractor..H. J. Hansen, 1327 20th Ave., San Francisco.

Filed July 29, '16. Dated July 29, '16.

Frames up 34
Buildings brown coated..... 34
Completed and accepted..... 34
Usual 35 days.....Balance

TOTAL COST, \$7500

Bond, \$3787.50. Surety, New Amsterdam Casualty Co. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ADDITION

(2263) NO. 638 FELL. Add porch and bath.

Owner.....H. Steinegger, Oakland.

Architect ...None.

Contractor...A. H. Wilhelm, 180 Jessie, San Francisco.

COST, \$450

ALTERATIONS

(2264) NO. 26 ELLIS. Alter cafe.

Owner.....Geo. Kelly, Premises.

Architect ...None.

Contractor..Chas. Coburn 4030 24th, San Francisco.

COST, \$500

FRAME DWELLING

(2265) E THIRTEENTH AVE 62½ N

Cabrillo. Two-story and basement frame dwelling.

Owner.....Margaretha J. Koenig, 1108 Cabrillo, San Francisco.

Architect ...Wm. Koenig, 914 Humboldt Bank Bldg., S. F.

Day's work. COST, \$1000

FRAME DWELLING

(2266) E THIRTEENTH AVE 35 N

Cabrillo. Two-story and basement frame dwelling.

Owner.....Margaretha J. Koenig, 1108 Cabrillo, San Francisco.

Architect ...Wm. Koenig, 914 Humboldt Bank Bldg., S. F.

Day's work. COST, \$1000

ALTERATIONS

(2267) E TWENTY-THIRD AVE 50 N

Clement N 25x E 82-6. All work except lath and plaster for alterations and additions to residence.

Owner.....M. Matanovich, Hewes Bldg., San Francisco.

Architect ...Heffernan & Matanovich, Hewes Bldg., S. F.

Contractor..G. Trevia and G. A. Pasqualetti, 32 Harwood Place, San Francisco.

Filed July 31, '16. Dated July 21, '16.

Interior and exterior plaster finished\$1800.00

Completed and accepted..... 1237.50
Usual 35 days..... 1612.50

TOTAL COST, \$4050.00

Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

NOTE:—First report July 29th. No. 2214.

ALTERATIONS

(2268) W HOWARD 150 S 19th S 30x

W 122; No. 2334 Howard. Carpenter, brick plastering, painting, plumbing, electrical and mill work and roofing for alterations to two-story frame dwelling.

Owner.....Christopher and Ellen M. Derham, 1078 Bryant, S. F.

Architect ...None.

Contractor..J. V. Campbell, 935 Broderick, San Francisco.

Filed July 31, '16. Dated July 31, '16.

Rough work done.....\$510

Completed 510

Usual 35 days..... 340

TOTAL COST, \$1360

Bond none. Limit, 40 days from Aug. 1, 1916. Forfeit, \$150. Specifications only filed.

BRICK STORE

(2269) E MISSION 225 E 17th. One-story and mezzanine floor brick store

Owner.....Chas. C. Standberg, 244 Kearny, San Francisco.

Architect ...A. F. Heide, Russ Bldg., San Francisco.

Contractor..J. L. McLaughlin, 244 Kearny, San Francisco.

COST, \$3000

ALTERATIONS

(2270) NO. 1322 POLK. Alter present nickelodeon front and make two additional store fronts and minor changes on interior.

Owner.....Frances P. Marse, Agent Boardman Bros. & Co., 28 Montgomery, S. F.

Architect ...None.

Contractor..F. Fetter, 301 Guerrero, San Francisco.

COST, \$2085

FRAME DWELLING

(2271) NO. 356 TWENTY-EIGHTH (rear). One-story and basement frame dwelling.

Owner.....Mrs. Agnes Corridon, Prem

Architect ...None.

Contractor..Wm. M. Reedy, 157 Bronte, San Francisco.

COST, \$1000

ALTERATIONS

(2272) CIVIC CENTER. Alter balconies in Civic Auditorium.

Owner.....City & County of San Francisco.

Architect ...None.

Contractor..Newsom & Henning, Sharon Bldg., San Francisco.

COST, \$4180

ESPLANADE

(2273) ALONG OCEAN BEACH. Section "B" Ocean Beach Esplanade.

Owner.....City & County of San Francisco.

Architect ...None.

Contractor..J. D. Hannah, 725 Chronicle Bldg., S. F.

COST, \$25,873

HOSPITAL

(2274) CIVIC CENTER. Two-story and basement Class "A" emergency hospital.

Owner.....City & County of San Francisco.

Architect ...John Reid Jr., 1 Montgomery, San Francisco.

Contractor..Anderson & Ringrose, 320 Market, San Francisco.

COST, \$78,140

FRAME RESIDENCE

(2275) NE REVERE (18th Ave South)

150 SE Lane (L South) SE 56-3xNE

100 Ptn Bldg 349 S. S. F. Hd. and R. R. Ass'n. All work for two-story frame residence and garage.

Owner.....Mrs. M. Petrali.

Architect ...Erwin Reichel, 1227 Shafter Ave., San Francisco.

Contractor..Andrew Olsen, 289 Fell, San Francisco.

Filed Aug. 1, '16. Dated Aug. 1, '16.

Frame up\$1250

Brown coated 1250

Completed and accepted..... 1250

Usual 35 days..... 1250

TOTAL COST, \$5000

Bond, \$2500. Sureties, H. A. Nunan and A. B. Meyer. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCES

(2276) W TWENTYETH AVE 250 S

Anza S 50xW 120. All work for two two-story frame residences.

Owner.....Frank T. Leahy, 233 9th Ave., San Francisco.

Architect ...None.

Contractor..Thomas Hamill, 5535 Geary, San Francisco.

Filed Aug. 1, '16. Dated Aug. 1, '16.

Roof frame up and roof on....\$1775

Brown coated 1775

Completed and accepted..... 1775

Usual 35 days..... 1775

TOTAL COST, \$7100

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

NOTE:—One building is to be erected on W 20th Ave 275 S Anza.

BUILDING

(2277) LOT 20 BLK 513 Haley's Purchase. All work for building.

Owner.....M. J. Ballen, 312 11th, S. F.

Architect ...None.

Contractor..T. H. Parry, 222 Raymond Ave., San Francisco.

Filed Aug. 1, '16. Dated June 9, '16.

Old building torn down and foundation for new building completed\$700

Frame up 400

Brown coated 400

Completed and accepted..... 350

Usual 35 days..... 350

TOTAL COST, \$2200

Bond, \$1100. Sureties, W. D. Stephenson and H. P. Coleman. Limit, forfeit, plans and specifications, none.

FRAME BUILDING

(2278) SW PINE AND PIERCE. All work except plumbing, heating and electric work for three-story frame building.

Owner.....Old Peoples Home, 2507 Pine, San Francisco.

Architect ...Edw. T. Foulkes, Crocker Bldg., San Francisco.

Contractor..Wm. L. Terry, 1456 Willard, San Francisco.

Filed Aug. 2, '16. Dated July 18, '16.

Frame up\$1367.50

Enclosed and sheathed..... 1367.50

Completed and accepted..... 1367.50

Usual 35 days..... 1367.50
TOTAL COST, \$5470.00
 Bond, \$2735. Sureties, Walter E. Terry and Jno. H. Powers. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(2279) PLUMBING, HEATING AND vacuum sweeping piping on above. Contractor..Gilley-Schmid Co., 198 Otis San Francisco.
 Filed Aug. 2, '16. Dated July 24, '16. Roughed in and connections made\$558
 Completed and accepted..... 279
 Usual 35 days..... 279
TOTAL COST, \$1116
 Bond, none. Limit, without interruption to other trades. Forfeit, none. Plans and specifications filed.

HEATING, ETC.

(2280) W FOLSOM 198 S 17th W 122-6 xS 150. Heating and ventilating for two-story reinforced concrete dyeing and cleaning works building. Owner.....Jean Allec, 2148 Folsom, San Francisco.
 Architect...August G. Headman, Call Bldg., San Francisco.
 Contractor..Scott Co., 242 Minna, S. F. Filed Aug. 2, '16. Dated July 31, '16. When complete ventilating apparatus is in\$835
 Completed and accepted..... 500
 Usual 35 days..... 445
TOTAL COST, \$1780
 Bond, \$900. Surety, New Amsterdam Casualty Co. Limit, without delay. Forfeit, \$20. Plans and specifications filed.

SINKING WELL

(2281) NW HARRISON 300 SW Fifth SW 200xNW 80. All work for sinking a 12-inch deep well. Owner.....Fifth Street Company.
 Architect...Sylvain Schnaitacher, 233 Post, San Francisco.
 Contractor..A. Paulsen, 117 New Montgomery, San Francisco.
 Filed Aug. 2, '16. Dated July 28, '16. On completion 75%
 Usual 35 days..... 25%
TOTAL COST, \$4.40 per foot of depth.
 Bond, none. Limit, 30 days from filing. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(2282) E TWELFTH AVE 375 S Balboa. Two-story and basement frame dwelling. Owner.....C. A. Hall, 1318 5th Ave., San Francisco.
 Architect...None.
 Day's work..... **COST, \$3000**

FRAME DWELLING

(2283) E TWELFTH AVE 200 S Balboa. Two-story and basement frame dwelling. Owner.....C. A. Hall, 1318 5th Ave., San Francisco.
 Architect...None.
 Day's work..... **COST, \$3000**

FRAME FLATS

(2284) E SEVENTEENTH AVE 153-11 N Clement. Two-story and basement frame flats. Owner.....J. Johnson, 150 17th Ave., San Francisco.
 Architect...None.
 Day's work..... **COST, \$5000**

FRAME FLATS

(2285) E SEVENTEENTH AVE 128-11 N Clement. Two-story and basement frame flats. Owner.....J. Johnson, 150 17th Ave., San Francisco.
 Architect...None.
 Day's work..... **COST, \$5000**

ALTER SIGNS

(2286) NO. 779 MARKET. Alter electric signs. Owner.....Market Street Realty Co., Premises.
 Architect...None.
 Contractor..Federal Sign System Elec., 1172 Bryant, S. F.
COST, \$500

ADDITION

(2287) NO. 111 TENTH AVE. Add to dwelling. Owner.....B. Grant Taylor, Clerk of Supreme Court, Wells Fargo Bldg., S. F.
 Architect...None.
 Day's work..... **COST, \$750**

FFAME DWELLING

(2288) W FORTY-FOURTH AVE 166 S Judah. One-story and basement frame dwelling. Owner.....A. Neil St., 4221 Moraga, San Francisco.
 Architect...None.
 Day's work..... **COST, \$1600**

FRAME DWELLING

(2289) W SEVENTEENTH AVE 100 S Moraga. One-story and basement frame dwelling. Owner.....Chas. Drescher, 532 Haight San Francisco.
 Architect...None.
 Day's work..... **COST, \$500**

FRAME FLATS

(2290) N PAGE 131-3 E Pierce. Two-story and basement frame flats. Owner.....William Oszdorff, 125 Guerrero, San Francisco.
 Architect...None.
 Day's work..... **COST, \$4000**

RETAINING WALL

(2291) NO. 1919 CALIFORNIA. Construct concrete retaining wall. Owner.....M. H. de Young, Chronicle Bldg., San Francisco.
 Architect...None.
 Contractor..J. Pasqualetti, 783 Market, San Francisco.
COST, \$700

ADDITION

(2292) W GLADYS 175 S Santa Marina. Raise and add to cottage. Owner.....Otto Jacobsen, 22 Gladys, San Francisco.
 Architect...None.
 Contractor..Jos. Schorr, 250 Rosworth, San Francisco.
COST, \$600

CEMENT FLOOR, ETC.

(2293) NOS. 668-678 WILLOW AVE. Concrete foundations and cement floor. Owner.....Martin S. Meyer, 679 5th Ave., San Francisco.
 Architect...None.
 Contractor..Munster & Bornholdt, 110 Jessie, San Francisco.
COST, \$500

ALTERATIONS

(2294) No. 152 NINTH New front and alter.

Owner.....Wichita Truck Co., Prem.
 Architect...None.
 Contractor..Robt. Trost, 26th & Howard, San Francisco.
COST, \$450

ALTERATIONS

(2295) S MARKET 20 E Fremont. Alter stores. Owner.....City Investment Co., 1st National Bank Bldg., S. F.
 Architect...J. R. Miller, Lick Bldg., San Francisco.
 Contractor..G. P. W. Jensen, 320 Market, San Francisco.
COST, \$450

FRAME DWELLING

(2296) S NAPLES 225 W Brazil. One-story and basement frame dwelling. Owner.....P. Smith, 439 Naples, S. F.
 Architect...None.
 Contractor..J. Drew, 116 Battery, San Francisco.
COST, \$1000

ALTERATIONS

(2297) E TWENTY-THIRD AVE 225 S Geary. Alter dwelling. Owner.....Mrs. E. Stanton, 5841 Geary San Francisco.
 Architect...None.
 Contractor..J. H. Verner, 1921 23rd, San Francisco.
COST, \$400

ALTERATIONS

(2298) SE FAIRFAX AND QUINT. Raise warehouse, cement floor, etc. Owner.....Legallet, Hellwig, Norton Co., Premises.

ALTERATIONS

(2299) NOS. 4270-72 TWENTY-FOURTH Alter dwelling. Owner.....Walter J. Noonan, Prem.
 Architect...None.
 Contractor..Conlan Bros., 842 Guerrero San Francisco.
COST, \$1000

FRAME RESIDENCE

(2300) E TWELFTH AVE 125 N Cabrillo. Two-story and basement frame residence. Owner.....A. R. Lapham, 511 12th Ave., San Francisco.
 Architect...None.
 Day's work..... **COST, \$2900**

FRAME RESIDENCE

(2301) W FIFTEENTH AVE 125 S Cabrillo. All work for two-story frame residence. Owner.....Lilly and Jno. Flaherty.
 Architect...None.
 Contractor..D. J. Broderick, 100 Clement, San Francisco.
 Filed Aug. 3, '16. Dated Aug. 2, '16.

1st story frame up..... 20%
 Frame completed 20%
 Plastering done 20%
 Completed and accepted..... 20%
 Usual 35 days..... 25%
TOTAL COST, \$3800
 Bond, \$950. Sureties, M. J. Pay and P. Delpiano. Limit, Sept. 7, 1916. Forfeit, none. Plans and specifications filed.

BASALT BLOCKS

(2302) KING ST. bet. Second and Gale. New basalt blocks on concrete base; total area 4,500 sq. ft. Owner.....Southern Pacific Co., Flood Bldg., San Francisco.
 Architect...None.

F FOUR W WHEEL D DRIVE

Read Owners' Opinions:

Raymond, Cal., April 30, 1916.
Four Wheel Drive Truck Co.,
San Francisco, Cal.
Gentlemen:

Replying to your letter of inquiry asking for a statement regarding the service we are getting from our F-W-D Truck recently purchased from you, beg to advise that the truck is more of a success than I ever thought possible. I am hauling over a road that a 10-horse team can only pull $4\frac{1}{2}$ tons over, and takes five days to make the round trip. The truck makes a round trip in 14 hours, with $3\frac{1}{2}$ to 4 tons.

The whole country for miles around comes down to see the only truck that ever reached Wawona with four tons. The first load was 8,152½ pounds, for which I have a receipt from the Associated Gasoline people. Since then I have been making regular daily trips from Raymond.

The truck has replaced one 10-horse and two 4-horse teams on the road. If the truck continues to perform as well as it does now, there is not another

truck can come near it.

With best wishes, I beg to remain,

Yours very truly,

(Signed) D. A. LEWIS.

St. Paul, Minn., May 16, 1916.
Four Wheel Drive Auto Co.,
Clintonville, Wis.

We have used the F-W-D Truck nearly three years and feel that on rough roads and for hard usage nothing better is made. Truck has fulfilled all requirements and proven very satisfactory.

HAMM BREWING CO.

Four Wheel Drive Auto Co.,
Clintonville, Wis.

Four years' experience with F-W-D Trucks. All give perfect satisfaction. Strongly recommend it over all others. Costs less to operate. Is dependable; most economical. We are operating successfully where W—, P—, and J— trucks failed.

A. W. SHAW.

Four Wheel Drive Truck Co.

Telephone Market 334 343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

Contractor, Daniel L. Biehnfeld & Co.,
323 Phelan Bldg., S. F.
Filed Aug. 3, '16. Dated Jan. 20, '16.
Payments not given.

TOTAL COST, 32c per sq. ft.
Bond, \$750. Surety, California Casualty
Co. Limit, 60 days. Forfeit, none.
Plans and specifications filed.

FRAME FLATS

(2302) W. Folsom 125 N 20th W
122-6xN 30. All work for two-story
and basement frame flats.

Owner.....Daniel and Margaret Car-
roll, 2226 Folsom, S. F.
Architect...Jno. J. Foley, 46 Kearny,
San Francisco.

Contractor, John Burns, 2612 Mc-
Allister, San Francisco.

Filed Aug. 3, '16. Dated July 31, '16.
Frame up and roof on.....\$1105.50
Brown coated.....1105.50
Completed and accepted.....1105.50
Usual 35 days.....1105.50

TOTAL COST, \$4422.00
Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

CONCRETE FACTORY

(2261) SW SAN FRANCISCO AND MONT-
gomery. Six-story and basement
concrete factory and warehouse.

Owner.....Zellerbach & Co., Battery
and Jackson, S. F.

Engineers...Macdonald & Kahn, Rialto
Bldg., San Francisco.

Contractor, Macdonald & Kahn, Rialto
Bldg., San Francisco.

COST, \$150,000

FRAME LAUNDRY

(2262) E RITCH 75 N Harrison. Two
story frame laundry with living
rooms.

Owner.....Fong Suey, 49 Ritch, S. F.

Architect....A. R. Denke, 105 Nevada
Bank Bldg., S. F.

Day's work. **COST**, \$3000

PAINTING, ETC.

(2291) W LEAVENWORTH 77-10 N
Sutter N 37-6xW 90-6. Painting,
staining and paper hanging for four
story and basement Class "C" build-
ing.

Owner.....Anton Rulfs, 955 Pine,
San Francisco.

Architect...Fulch & Knoll, Hearst
Bldg., San Francisco.

Contractor, H. Maundrell, 320 Hayes,
San Francisco.

Filed Aug. 1, '16. Dated Aug. 3, '16.

2nd coated.....\$-----
Completed and accepted.....\$-----

Usual 35 days.....\$25

TOTAL COST, \$1300

Bond, none. Limit, without delay.

Forfeit, none. Plans and specifications
filed.

(2305) PLAIN AND ORNAMENTAL

sheet metal work on above.

Contractor, Western Furnace & Cor-
nice Co., 1645 Howard, S. F.

Filed Aug. 1, '16. Dated Aug. 3, '16.

On 1st of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$1235

Bond, \$620. Surety, The Aetna Ac-
cident & Liability Co. Limit, as fast as
possible. Forfeit, none. Plans and
specifications filed.

CLASS "C" BUILDING

(2306) SE CUMBERLAND & DOLORES
S 89 E 105 S 25 E 25 N 114 W 130.

Carpenter, mill, tin, galvanized iron,

roofing, glazing of skylights, rough
hardware, etc., for one-story base-
ment, mezzanine and gallery Class
"C" church building.
Owner.....Second Church of Christ,
Scientist.

Architect...None.

Contractor, W. G. McDiarmid, 394 Fair
Oaks, San Francisco.

Filed Aug. 4, '16. Dated Map 16, '16.

Progressive payments of.....75%
36 days after.....25%

TOTAL COST, \$8880

Bond, limit, forfeit, none. Plans and
specifications, none.

NOTE—Plans prepared by Wm. H.
Crim, 425 Kearny St., San Francisco.

JULY BUILDING TOTALS.

The following is a review of building
operations for the month of July, as
issued by the City Building Depart-
ment:

"A"	3	\$ 378,500
"B"	4	264,267
"C"	9	201,370
Frames	91	292,728
Alterations	309	270,414
Public Buildings	1	90,000

Total 417 \$1,497,279

For the month of July 1915, the
totals were 620 permits, totaling \$1,500,-
206.

NOTICE OF NON-LIABILITY.

SAN FRANCISCO COUNTY.

Aug. 2, 1916—E TWENTY-THIRD
Ave 50 N Clement N 25x6. E 32-6.
Eisenbach Co as to improvements
on leased property.....

NOTICE OF NON-LIABILITY.

SAN FRANCISCO COUNTY.

July 31, 1916—NO. 36 EDDY NE Cor
Anna Lane. H J Kurz as to im-
provements on leased property....

COMPLETION NOTICES.

San Francisco

RECORDED ACCEPTED

July 22, 1916—W TWENTIETH AVE
100 N Balboa N 25xW 120. Frank

Leahy to Thomas Hamill. July 22, '16

July 22, 1916—NW SANSOME AND
Bush N 137-6xW 67-6. Standard Oil

Co by P J Walker, Agent to United
States Metal Products Co. July 19, '16

July 22, 1916—N BUSH 65-9 W Grant
Ave W 68-9xN 137-6. City Electric

Co to G W P Jensen. July 19, 1916

July 24, 1916—E EIGHTEENTH AVE
300 N Balboa 25x120. Magdalena

Hey to Oscar Lind. July 21, 1916

July 24, 1916—E SHRADER 125 N
Fell N 25x6 109. Simon Fraser to

Schroder Bros. July 24, 1916

July 24, 1916—NE ELLIS & MASON
E 87-6xN 157-6. Ellis Street Invest

Co, Cpn to Vulcan Iron Works....

July 17, 1916

July 25, 1916—W FOURTEENTH AVE
150 N California N 50xW 127-6.

John M Peters to whom it may
concern. July 20, 1916

July 25, 1916—E LEAVENWORTH
109-6 N Vallejo N 25x125. Jno H

Perlite to Montani & Stefanelli....

July 24, 1916

July 25, 1916—E SEVENTH AVE 120
S Lincoln Way S 25x120. Fred-
erick R and Marguerite L Stokes to

Fred Miller.....July 15, 1916

July 25, 1916—S ARMY 25-0xW 15

Bryant W 25-0xS 80. Michael

McDonough to whom it may con-
cern.....July 25, 1916

July 25, 1916—W ALABAMA 50 S

26th. Gustave Peterson to Sjogren

Bros.....May 1, 1916

July 26, 1916—W DANVERS 145 S

Corbett 50x60. F Monson to

whom it may concern.....July 25, 1916

July 26, 1916—E FIFTEENTH AVE

258-74 N Anza N 24-8½x E 114.

Wilhelmina Bahrs to whom it may

concern.....July 25, 1916

July 26, 1916—N FILBERT 200 W

Baker W 25xN 137-6. H Taylor

Curtis to W W Rednall. July 19, 1916

July 26, 1916—N BUSH 150-2 m or l x

W Van Ness Ave W 87-4 m or l x

N 120. Laurence A Myers to Mac-
donald & Kahn.....July 26, 1916

July 27, 1916—SE FOURTH AND

Brannan 137-6x275. The John

Bollman Co to John McGuigan &

Co. July 19; Mangrum & Otter, July

17; Otis Elevator Co, July 19; H E

Drake.....July 1, 1916

July 27, 1916—SE MARKET 75 SW

Third SW 50x100. City Invest-

ment Co to McLeran & Peterson....

.....July 20, 1916

July 27, 1916—S MARKET & THIRD

SW 75x100. City Investment Co

to Otis Elevator Co.....July 19, 1916

July 27, 1916—N FULTON 57-4 E

Parson (Parkside Ave) also 362-4

E Willard E 29-1½ N 4 deg 12 min

54 sec W 47-10½ N 1 deg 51 min

12 sec W 52-9½ W parallel with

Fulton 40-0x S 100. Bernard Mc-

Manus to Philip Rive.....July 27, 1916

July 28, 1916—W TAYLOR 40 N Sacra-

ramento N 52-6xW 91-8. Louis

D Stoff to Louis D Stoff. July 27, 1916

July 28, 1916—W NINTH AVE 100 N

Cabrillo N 25xW 120. Phoebe L

Torrey to A W Bryant. July 28, 1916

July 28, 1916—E NINETEENTH AVE

50 S Balboa S 25x E 95; No. 612 19th

Ave. W R Kenny to whom it may

concern.....July 25, 1916

July 28, 1916—E BEALE 137.6 N

Mission 91.8x137.6. S S Parsons to

Knowles & Mathewson. July 28, 1916

July 28, 1916—NW OCTAVIA AND

Haight W 137-6xN 120. Union

Trust Co as Ext Estate Thos I

Bergin, decd, to McSheehy Bros....

.....July 28, 1916

July 28, 1916—W GUERRERO 57-6 S

26th W 100xS 27-6. Annie M Janssen

to W J Black, Petersen-James Co

and Henry Eckart.....July 27, 1916

July 29, 1916—N UNION 30 W Jasper

Place 30x77. P Nave and G De-

vincenzi to F A Amaroso. July 28, '16

July 29, 1916—N VALLEJO 124-6 E

Van Ness Ave. Emilio A Occeese to

Liebert & Martinielli.....July 28, 1916

July 29, 1916—NO. 126 MARKET.

Bankers' Investment Co to Brass &

Kuhn.....July 24, 1916

July 31, 1916—NO. 459 JERSEY.

Bertha Wedekind to P W Montrouil

.....July 31, 1916

Aug. 1, 1916—NW UNION & JASPER

Place 30x77. Angelo Devincenzi to

F C Amaroso.....July 31, 1916

Aug. 1, 1916—SE BATTERY AND

Green S 45-10x E 137-6. Ella

Sachau to R De Luca.....July 28, 1916

Aug. 1, 1916—E THIRTEENTH AVE

150 N Clement N 25x120. Edwin

W Hill to whom it may concern....

.....Aug. 1, 1916

Aug. 1, 1916—NE GEARY AND COM-

monwealth E 103x97-6. Thos Scoble

to whom it may concern. July 31, 1916

LIENS FILED

San Francisco

RECORDED AMOUNT

Aug. 1, 1916—N GEARY 52-6 E 19th Ave E 50x75. Thos Scoble to whom it may concern.....	July 31, 1916
Aug. 1, 1916—NE LAKE AND 22ND Ave E 57-6xN 100. John H Sherry to N A Carlson.....	Aug. 1, 1916
Aug. 1, 1916—NE LAKE AND 22ND Ave E 57-6xN 100. Joe H Sherry to N A Carlson.....	Aug. 1, 1916
Aug. 2, 1916—E SEVENTH AVE 120 S Lincoln Way S 25x E 120. Fredk B and Marguerite L Stokes to Atlas Heating & Ventilating Co.....	July 22, '16
Aug. 2, 1916—NO. 1014 TO 2022 FILLMORE. Laurance I Scott to Frank H Field.....	Aug. 2, 1916
Aug. 2, 1916—COMG AT PT. where S boundary line of Clover Heights Tract intersects SW Seward W 178-1 13-16 m or l to NE Corwin NW 3 m or l N 35-3 3/4 m or l E parallel with S Clover Heights Tract to a point on SW Seward dist there at a R from SE line Clover Heights Tract 37-6 SE to beg. J M Schlesinger to P Algot Nelson.....	Aug. 1, 1916
Aug. 2, 1916—SE FOURTH AND Brannan 137-6x275. The John Boltman Co to H S Tittle Lange & Bergstrom, July 25; Kinnear Mfg Co and Lange & Bergstrom, July 1; Pacific Iron Works and Lange & Bergstrom.....	July 26, 1916
Aug. 3, 1916—SE BROADWAY AND Leavenworth E 68xS 40. Joseph Menard to P W Donovan.....	Aug. 3, 1916
Aug. 3, 1916—W NINTH AVE 225 N Cabrillo N 25x120. Alfred T Morris to whom it may concern.....	Aug. 2, 1916
Aug. 3, 1916—S MARKET & THIRD SW 75xSE 70. City Investment Co to Rudgear-Merle Co.....	July 31, 1916
Aug. 4, 1916 E NINETEENTH AVE 75 N Taraval N 25x100. Michael Cain to whom it may concern.....	Aug. 3, 1916
Aug. 4, 1916—E TWENTY-FIFTH Ave 175 N Anza N 25x E 120. Elmer E Clark to whom it may concern.....	Aug. 2, 1916
Aug. 4, 1916—N BUSH 127-6 E Mason N 137-6x E 87-6. J K Bigelow to P A Palmer.....	July 27, 1916
Aug. 4, 1916—NE GREEN AND Broderick 25x75. Chas W Gompertz to whom it may concern.....	Aug. 1, 1916
Aug. 4, 1916—SW CALIFORNIA & Franklin. Edw Hohfeld to L J Deibel.....	Aug. 4, 1916
Aug. 4, 1916—N PACIFIC 87-6 E Powell E 75xN 129. G. B and Edw Podesta to Trevia & Pasqualetti.....	Aug. 2, 1916
Aug. 4, 1916—NE VAN NESS AVE & McAllister 120x109. Mrs Hannah E Urliste to whom it may concern.....	Aug. 4, 1916
Aug. 5, 1916—NW TWENTY-THIRD Ave and Rivera N 100xW 32-6. John P Hauer to whom it may concern.....	Aug. 4, 1916
Aug. 5, 1916—E NINETEENTH AVE 100 N Balboa N 75x E 120. Martin Nelson and Hans Nelson to whom it may concern.....	Aug. 5, 1916
Aug. 1, 1916—S PINE 68-9 E Sansome E 34-4 1-12x96. Atlas Mortar Co vs Charles Key and Postal Realty Co.....	\$51.25
July 25, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 NW 45 SW 57-6 NW 47-6 NE 137-6. M Asmus vs Ellen M Otto, E K Nelson and S J Schindler.....	\$222.50
July 25, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. Ingerson & Glaser Co vs Henry Conrad and Henry Cailleaud Jr.....	\$51.76
July 25, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 NW 45 SW 57-6 NW 47-6 NE 137-6. J S Guerin & Co vs Ellen M Otto and E K Nelson.....	\$205.25
July 25, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 NW 45 SW 57-6 NW 47-6 NE 137-6. Eureka Sash, Door & Moulding Mills vs Ellen M Otto and E K Nelson.....	\$466.16
July 26, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 NW 45 SW 57-6 NW 47-6 NE 137-6. Leonard Lumber Co, \$73.53; New Era Marble & Concrete Co, \$111; Palace Hardware Co, \$64.36 vs Ellen M Otto and E K Nelson.....	
July 26, 1916—SW FREMONT 137-6 SE Howard SE 92-6 SW 80 SW 45 NW 57-6 NW 47-6 NE 137-6. J Piconi vs Ellen M Otto and E K Nelson.....	\$85
July 26, 1916—NOS. 442-441 TENTH Ave E 16th Ave bet Geary & Anza 35x160 deep and about 270 S of Geary. D H Rhodes vs Eric Johansen.....	\$135.60
July 26, 1916—S PINE 68-9 E Sansome E 34-4 1/2xS 96. Henry Cowell Lime & Cement Co vs Postal Realty Co.....	\$53.59
July 27, 1916—NW NAPLES 100 SW Russia Ave SW 25xNW 100; Lot 8 Elk 41, Excl Hd. Douglas Clark vs Vincenzo Sarubbi and L C Smith.....	\$70
July 27, 1916—S PINE 68-9 E Sansome E 34-4 1/2xS 96. California Artistic Metal & Wire Co vs Postal Realty Co; D W Carmichael; D L Thornbury; Hibernia Savings & Loan Society and Chas Paff.....	\$58.50
July 28, 1916—N FREDERICK 25 E Belvedere E 25xN 110. Leonard Lumber Co vs Maud E Luttringer and George H Ballard.....	\$161.59
July 28, 1916—S PINE 68-9 E Sansome E 34-4 1/2xS 96. J S Guerin vs Chas King and Postal Realty Co.....	\$150
July 31, 1916—E THIRTY-EIGHTH Ave 125 N Fulton N 25x E 120. Wm P Goss vs Curtis Berry, Amelia F Berry and Wm F Yates.....	\$245
July 31, 1916—W COLLINS 340 N Geary N 25x E 123-0 1/2. Wm P Goss vs Wm F Yates and Claire J Bury.....	\$250
Aug. 1, 1916—S PINE 68-9 E Sansome E 34-4 1/2xS 96. Charles King vs D W Carmichael, D L Thornbury and Hibernia Savings & Loan Society.....	\$576
Aug. 1, 1916—NO. 248 DOWNEY, bet. Asabury and Frederick 25 m or l by 50. James Costello vs Kate Jane Francis.....	\$35
Aug. 4, 1916—S PINE 68-9 E Sansome E 34-4 1/2xS 96. E A Mantell vs Postal Realty Co and D L Thornbury.....	\$215

OAKLAND AND ALAMEDA COUNTY

BRIDGE—Reinforced concrete, \$1,885. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County Contractors, Western Construction Co, Russ Bldg., S. F. Contract price, \$4,855. A complete list of the bids received will be found under the heading of Oakland and Alameda County in this issue.

SEWER CONSTRUCTION—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts for sewer construction have been awarded as follows: To Ransome-Crummey Co, First National Bank Bldg., Oakland, that Laurel avenue from Hopkins street to the southwest line of "Key Route Acres Tract" be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalk with cement sidewalks 6 feet wide; also two corrugated iron and concrete culverts, each having two branches.

To Baker & Martin, 310 Sheldon Bldg., S. F., that a concrete culvert be constructed in portions of Pothill Boulevard, Church street and Beck street; a pipe conduit having an internal diameter of 21-inches; relay a portion of existing pipe conduit, three brick storm water inlets and pipe conduits having internal diameters of 10 inches and seven brick manholes with cast iron tops.

To Hutchinson Co., 13th and Franklin streets, Oakland, that Thompson street from the north line of 17th avenue to the southeast line of 15th avenue be graded, curbed with redwood, guttered with concrete gutters 2 feet wide, paved with oil macadam and sidewalk with cement sidewalks 6 feet wide.

STREET PAVING—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The contract for the following improvements has been awarded to the Johnson-Shea Co., Central Bank Bldg., Oakland, by the City Council of Berkeley, for the roadway of Tamalpais street, from the west extension of the south line of Shasta street north to the west line of Tallac street, the roadway of Tallac street from the west line of Shasta street, west and north to a line drawn from the point of intersection of the north line of Tamalpais street with the north line of Tallac street, etc., be graded, construct concrete curbs, cast iron curb inlets and catch basins with gratings and the roadways of said streets be paved with a concrete pavement 5 inches thick.

SEWER CONSTRUCTION—\$1,016.10. San Leandro, Alameda Co., Cal. Engineer, City Engineer, San Leandro. Owners, City of San Leandro. Contractor, W. J. Tobin, 735 Filbert street, Oakland. Contract price, \$1,016.10.

APARTMENT HOUSE—2 story and base, frame, \$15,000. Berkeley, Alameda Co., Cal. Architect, F. Hohlberg Reimers, 2125 Shattuck avenue, Berkeley. Owner's name withheld. Location, North Berkeley. Will contain two and three room apartments. Plans being prepared.

RESIDENCE—2 story and base, frame, \$1,500. Piedmont, Alameda Co., Cal. Architect, none. Owner, Alfred Cords, First Savings Bank Bldg., Oakland. Location, east Manor Drive south of Jerome. Will contain eight

NOTICE OF NON-LIABILITY.

Aug. 7, 1916—E NINETEENTH AVE 195 S Lawton S 25x E 120. Sol Getz & Sons as to improvements on leased property

rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$4,000, Oakland, Cal. Architect, James H. Vollmer, 1183 Regent street, Alameda. Owner, T. F. Murphy. Location, Fourth Avenue Heights. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

RESIDENCE—2 story and base, frame, \$2,900, Oakland, Cal. Architect, none. Owner, C. E. Carlson, 1431 Milvia street, Berkeley. Location, west Ross south of Harwood. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,250, Oakland, Cal. Architect, none. Owner, J. E. Murphy, 1823 Grove street, Oakland. Location, Emerald south of 42nd street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—5, 1 story and base, frame, \$1,700 each, Berkeley, Alameda Co., Cal. Architect, F. Hoberg Reimers, 2125 Shattuck avenue, Berkeley. Owners, Bay View Construction Co. Location, Berryman street. Each house will contain five rooms and bath. Plans being prepared and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$1,600, Oakland, Cal. Architect, none. Owner, H. S. Butler, 5648 Oak Grove avenue, Oakland. Locations, south Pedestrian Way east Claremont. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500, Alameda, Alameda Co., Cal. Architect, Alvin J. Stern, 306 14th street, Oakland. Owner, Alfred Harris. Location, Santa Clara avenue and Stanton. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000, Berkeley, Alameda Co., Cal. Architect, none. Owner, R. C. Hillen, 436 Haight avenue, Alameda. Location, east Acton north of Francisco. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each, Berkeley, Alameda Co., Cal. Architect, none. Owner, R. C. Hillen, 436 Haight avenue, Alameda. Location, north Francisco west of Franklin. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000, Oakland, Cal. Architect, Edward G. Bolles, 660 Market street, S. F. Owners, C. F. and L. E. Wieland, Hotel Claremont, Berkeley. Location, east Alvarado south Eucalyptus. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500, Piedmont, Alameda Co., Cal. Architect, none. Owner, G. L. Mohr, 2055 University avenue, Berkeley. Location, west San Carlos avenue, Nova Piedmont. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—2 story and base, frame, \$20,000, Oakland, Cal. Architect, Stevenson, Thomson Bldg., Oakland. Owner, W. M. Greuner, 306 Thomson Bldg., Oakland. Location, Piedmont avenue and Linda street. Will contain stores on the first floor and a number of two and three room apartments above. Plans complete and segregated figures being taken from non-union contractors.

FACTORY—1 story, frame, \$2,500, Berkeley, Alameda Co., Cal. Architect, Edward T. Foulk, J. Crocker Bldg., S. F. Owners, Hall-Scott Motor Car Co. Location, 5th and Snyder streets. Will contain one large room. Plans complete and work to be done by Day Labor.

GARAGE—1 story and base, brick, \$5,000, Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Charles Dull. Location, Woolsey and Shattuck avenue, covering an area of 112 by 50 feet. Plans being prepared.

GARAGE—2 story and base, Class C \$35,000, Oakland, Cal. Architect, Mr. Stevenson, Thomas Bldg., Oakland. Owner, W. M. Greuner. Location, Grant avenue east of Webster. Designed for a commercial garage. Plans complete and figures being taken from non-union contractors.

LIBRARY ALTERATIONS—Cost not stated, Alameda, Alameda Co., Cal. Architect, none. Owners, City of Alameda. Bids will be opened on September 5th at 8 p. m. for alterations and additions in the children's department of the City Library. Plans can be secured from the City Clerk.

STREET IMPROVEMENTS—Cost not stated, Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on August 17th for street improvements authorized under the following resolutions: That 75th avenue, from the southwest line of East 14th street to the northeast line of Snell street, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement sidewalks 6 feet wide; also that five corrugated iron and concrete culverts be constructed; three corrugated iron and concrete culverts, each having two branches; a sewer having an internal diameter of 8 inches; Y branches each having a 5-inch opening; graded and paved with oil macadam.

STREET IMPROVEMENTS—Cost not stated, Alameda, Alameda Co., Cal. Engineer, City Engineer, Alameda. Owners, City of Alameda. Bids will be opened on August 15th at 8 p. m. for the improvement of Central avenue, from the east line of Sherman street to the east line of 4th street, by grading and paving with an asphalt concrete wearing surface or a bituminous rock concrete wearing surface on a concrete base; and constructing concrete gutters and gutter bridges, concrete curbing and corrugated iron culverts.

PRODUCE BUILDING—1 story and base, brick, \$15,000, Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Produce Co. Location, 3rd and Franklin streets, covering a large area. Plans complete and figures being taken.

Contracts Awarded.

APARTMENT HOUSE—2 story and base, frame, \$40,000, Oakland, Cal. Architect, R. A. Hutchinson, 470 13th street, Oakland. Owner, J. Goldstein. Location, east Madison north of 14th street. Contractors, Goldstein & Weider. Contract price, \$40,000.

Award Contract For Alameda Co. Bridge.

**Western Construction Company Secures
Contract For Bridge Over Crow
Canyon in Alameda County.**

Bids were opened by the Alameda County Board of Supervisors on Monday, July 31st, for the construction of a reinforced concrete bridge to be constructed over Crow Canyon Creek on the Eden Road. The Western Construction Co., Russ Bldg., San Francisco, presented the lowest bid at \$4,885 and were awarded the contract. A complete list of the bids received follows:

Crow Canyon Bridge.

W. H. London.....	\$6,216.00
Whitlock & Gorrill.....	6,844.20
Western Constr. Co.....	4,885.00
Baker & Martin.....	5,277.00
John Doyle.....	6,571.00
Thurston & Russell.....	4,995.00
M. E. Fernandez.....	5,120.00

Receive Figures For Hall Of Record Annex.

**Complete List of Figures For Annex to
Alameda County Hall of Records.
As Opened Monday.**

Bids were opened on Monday, August 7th by the Alameda County Supervisors for the construction of a brick, steel and reinforced concrete annex to the present Hall of Records, located at the corner of Fifth and Broadway, Oakland. Plans for the work were prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco.

Bids were received on each of the following departments of the work. A complete list of the bids appear below under the heading of the different departments:

Departments No. 1—Excavating, brick work, stone work, concrete work, carpenter work, mill work, glass, stairs, steel fire doors, ornamental and miscellaneous iron and steel work, window guards, plastering, lathing, cementing, damp-proofing, felt and gravel roofing, sheet metal, skylights, hardware, painting, tinting.

Department No. 2—Plumbing, drains and gas fitting.

Department No. 3—Electrical work.

Department No. 4—Marble work, tiling.

Department No. 5—Heating.

Department No. 6—Elevator work.

Department No. 7—Well boring and casing.

Departments No. 1.

Christenson Bros.....	\$100,924
E. J. Riley.....	102,200
Williams Bros. & Henderson....	99,900
Schnebel, Hostrower & Ped- grift.....	117,413

— — — — — COST, \$500

ADDITION
1874 D. NO. 951 TWENTY-THIRD AVE
Oakland. Addition.
Owner, J. Lascurette & Segalas, 951
23rd Ave., Oakland.
Architect, J. None

Contractor..Pierre Morilhat, 1333 E-18th, Oakland.
COST, \$400

ALTERATIONS
(1875) NO. 1035 ADELINE, Oakland.
Alterations.
Owner.....Lulu Bond, 1503 Carlton, Berkeley.
Architect...None.
Day's work.....COST, \$600

ALTERATIONS
(1876) NO. 685 LERIDA, Oakland.
Alterations.
Owner.....Mrs. F. B. Oliver, Premises
Architect...None.
Contractor..Prince & Barnes, 2710 West Oakland.
COST, \$400

REPAIRS
(1877) NO. 1126 SIXTY-SECOND, Oakland. Repairs.
Owner.....M. Buche, Premises.
Architect...None.
Contractor..E. A. Thompson, 666 60th, Oakland.
COST, \$400

APARTMENTS
(1878) E MADISON 300 N Fourteenth Oakland. Three-story 68-room apartment building.
Owner.....J. Goldstein, 703 Castro St., Okd. and Carrie F. Wieder, 550 Jones, Oakland.
Architect...R. A. Hutchison, 470 13th, Oakland.
Contractor..Goldstein, 703 Castro, Okd. & Weider, 550 Jones, Okd.
COST, \$40,000

DWELLING
(1879) E VENTURA 200 S Main, Albany. One-story 6-room dwelling.
Owner.....L. K. Fraser, 1280 10th, Oakland.
Architect...None.
Contractor..W. S. Montgomery, 2321 Ward, Berkeley.
COST, \$2700

DWELLING
(1881) LOT 22 Map Resbdvn Lot 1 Blk 6 and Lot 22 Blk 7, Claremont Map Oakridge, Claremont, Berkeley. All work for two-story 10-room dwelling.
Owner.....Forrest A. and Jeanette A. Kauffman, 2746 College Ave., Berkeley.
Architect...None.
Contractor..John A. Bischoff, 6045 Harwood Ave., Oakland.
Filed Aug. 3, '16. Dated Aug. 1, '16.
Roof on\$1750
Plastered 1750
All wood work completed..... 1750
Completed 750
Balance by deed of trust.....
TOTAL COST, \$7000
Bond, none. Limit, 90 days after Aug. 8. Forfeit, none. Plans and specifications filed.

FRAME DWELLING
(1882) NW FORTY-THIRD & WEBSTER N 40xW 100, Oakland. All work for two-story 7-room frame dwelling
Owner.....Chas. A. and Mary W. Piper, 473 37th, Oakland.
Architect...None.
Contractor..M. E. Hopper & Sons, 90 Glen Ave., Oakland.
Filed Aug. 3, '16. Dated Aug. 3, '16.
Frame up ¼

Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼

TOTAL COST, \$3900

Bond, \$1950. Surety, U. S. Fidelity & Guaranty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1883) W HIGHLAND AVE, bet. Oakland and Vista Aves, Piedmont. Two-story 8-room frame residence and garage.
Owner.....W. H. Creighton, 466 Stow Ave., Oakland.
Architect...None.
Contractor..Wooley & Rich, 3868 Lusk, Oakland.
COST, \$4000

FRAME RESIDENCE
(1884) E MANOR DRIVE 240 S Jerome, Piedmont. Two-story 8-room frame residence and garage.
Owner.....Alfred Cords, 1st Savings Bank Bldg., Oakland.
Architect...None.
Day's work.....COST, \$4500

DWELLING
(1885) S CAPELL 300 N Cleveland, Oakland. Two-story 7-room dwlg.
Owner.....Louis Fedt, 528 25th, Okd.
Architect...None.
Contractor..Fedt Bros., 528 25th, Okd.
COST, \$4200

DWELLING
(1886) W ROSS 85 S Harwood, Oakland. Two-story 7-room dwelling.
Owner.....C. E. Carlson, 1431 Milvia, Berkeley.
Architect...None.
Day's work.....COST, \$2900

DWELLING
(1887) W EMERALD 180 S 42nd, Oakland. One-story 6-room dwelling.
Owner.....J. E. Murphy, 1823 Grove, Oakland.
Architect...None.
Day's work.....COST, \$2250

FRAME APARTMENTS
(1890) E MADISON 300 N 14th, Oakland. All work for three-story frame apartments.
Owner.....J. Goldstein, 703 Castro, Oakland.
Architect...None.
Contractor..Not given.
Filed Aug. 3, '16. Dated Aug. 2, '16.
Payments not given.....

TOTAL COST, \$—
Bond, limit, forfeit, none. Plans and specifications filed.

FRAME DWELLING
(1891) LOT 1 BLK 2 Thousand Oaks Tract, All work for two-story frame dwelling.
Owner.....Lucy K. Smith, Berkeley.
Architect...James W. Plachek, Acheson Bldg., Berkeley.
Contractor..C. H. Warren, 2200 Ather-ton, Berkeley.
Filed Aug. 4, '16. Dated Aug. 2, '16.
Frame up 1-5
Plumbing roughed in and electric work completed 1-5
Plastered 1-5
Completed and accepted..... 1-5
Usual 35 days..... 1-5
TOTAL COST, \$3778.90
Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications filed.

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Amt.
1852	Solzberger	Redding	400
1853	Clayton	Hollenbeck	1150
1860	Mendell	Hellier	400
1861	Hillen	Hillen	2000
1862	Hillen	Hillen	2000
1863	Hillen	Hillen	2000
1864	Hillen	Hillen	2000
1865	Hall Scott	Owner	2500
1880	Swedish Men.	Franklin	1000
1888	Whitney	Whitney	600
1889	Lawson	Lawson	3800

ALTERATIONS
(1852) W MILVIA 150 S Allston Way, Berkeley. Alterations.
Owner.....J. Salzberger 2208 Milvia, Berkeley.
Architect...None.
Contractor..M. A. Redding, 1806 Allston Way, Berkeley.
COST, \$400

ADDITION
(1853) W CLAREMONT AVE 150 N Ashby Ave. Berkeley. Three-story 6-room addition to apartments.
Owner.....W. A. Clayton, Claremont Ave near Ashby Ave. Ekl.
Architect...None.
Contractor..G. B. Hollenbeck, 5444 Wadean Place, Oakland.
COST, \$1150

ADDITION
(1860) NO. 41 EL CAMINO REAL, Berkeley. Addition.
Owner.....Mr. Mendell, Premises.
Architect...None.
Contractor..H. A. Hellier, 1388 E-27th, Oakland.
COST, \$400

DWELLING
(1861) E ACTON 135 N Francisco, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.....COST, \$2000

DWELLING
(1862) N FRANCISCO 180 W Franklin Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.....COST, \$2000

DWELLING
(1863) N FRANCISCO 114 W Franklin, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.....COST, \$2000

DWELLING
(1864) N FRANCISCO 149 W Franklin, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.....COST, \$2000

FACTORY
(1865) FIFTH AND SNYDER, Berkeley. One-story 1-room factory.
Owner.....Hall Scott Motor Car Co.
Architect...Edw. T. Foulkes, Crocker Bldg., San Francisco.
Day's work.....COST, \$2500
NOTE:—Work is started.

ALTERATIONS
(1889) NO. 1839 PARKER, Berkeley.
Alterations.
Owner.....Swedish Mission Church,
Premises.
Architect...None.
Contractor...John Franklin, 2324 Roose-
velt, Berkeley.
COST, \$1000

REPAIRS
S FAIRVIEW 135.3 W Adeline,
Berkeley, Repairs.
Owner.....Mary L. Whitney, 2121
Webster, Oakland.
Architect...Thomas & Oliver, Pan-
tages Bldg., Oakland.
Day's work. COST, \$600

DWELLING
(1889) S BUENA VISTA AVE 100 E
La Loma, Berkeley. Two-story 6-
room dwelling.
Owner.....A. C. Lawson, 1515 La
Loma Ave., Berkeley.
Architect...F. Holberg Reimers, 2125
Shattuck Ave., Berkeley.
Day's work. COST, \$3800

Building Contracts Awarded

Alameda

1871 MajorsFerriter 500

ADDITION
(1871) NO. 2004 CLINTON AVE., Ala-
meda. Addition.
Owner.....Mrs. Green Majors, Prem.
Architect...None.
Contractor...D. J. Ferriter, 915 Lafa-
yette, Alameda.
COST, \$500

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Aug. 1, 1916—NE TENTH & WASH-
ington E 134-11 1/4xN 35, Oakland.
Victoria A Brown as to improve-
ments on leased property.....

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED **ACCEPTED**
July 14, 1916—PTN LOTS 10 AND 11
Blk "N" Map Blks M, N, O, and P of
Harmon Tract, Bkly. William J
Baker to whom it may concern.....
.....July 1, 1916
July 14, 1916—NOS. 231-3-5-7 TENTH
being Lots 12 and 11 Blk 123 Kel-
lersberger's Map of Oakland, Laz-
arus Croter to F C Bignaml.....
.....July 12, 1916
July 14, 1916—NOS. 223-5-7-9 TENTH
being Lots 12 and 13 Blk 123 Kel-
lersberger's Map of Oakland, W H
Shockley to F C Bignaml.....July 12, 1916
July 17, 1916—W FIFTH 100 S
Holyoke S 27xW 125, Bkly. Laues
Warnes to J E Peterson.....July 15, 1916
July 17, 1916—S HEARST AVE 100 E
Grant, Bkly. George S Risher to
whom it may concern.....July 17, 1916
July 18, 1916—LOT 8 BLK "B" Map
Edgerly Tract, Okd. J Ed Mitchell
to P A Newby.....July 14, 1916
July 18, 1916—E 30 LOT 3 and W 10
Lot 4 Blk 6 Map Fairview Park,
Bkly. Sadie M Hunter to S M
Hunter.....July 13, 1916
July 18, 1916—LOT 18 BLK "C" Map
Parson's Golden Gate Tract, Okd.
Edw B Brodien to F C Rounds....

.....July 14, 1916
July 15, 1916—E WALSWORTH AVE
125 N Santa Clara E 30xN 126.25
Okd. Minerwa F Gillin to whom it
may concern.....July 11, 1916
July 19, 1916—S MARIPOSA AVE 585
W Racine W 40xS 165, Okd. Theresa
and Michael Sadtler to E B Daly....
.....June 28, 1916
July 19, 1916—LOT 7 BLK 3 Map Ar-
lington Heights, Oakland Tp. Hilda
F Mills to G L Hughson.....July 13, 1916
July 19, 1916—LOT 19 BLK 11 Map
Resbdvn Biks 9, 10, 11, 12, 13, 14
and Ptn Blk 16, Rock Ridge Terr-
ace, Okd. E A Drew to E M Reagh
and E G Leheldt.....Completed —
July 20, 1916—LOT 19 BLK 2 Dwight
Way Gardens, Bkly. J S Hanson
to whom it may concern.....July 14, 1916
July 20, 1916—NW HASTE & TELE-
graph Ave W 150 N 135 E 33 S 40 E
117 S 95, Bkly. Sommarstrom In-
vestment Co to whom it may concn-
.....July 20, 1916
July 20, 1916—N 10 LOT 13 BLK 8 and
N 30 Lots 10, 11 & 12 Blk 8, North-
brae Tract, Oakland Tp. C E Sin-
clair to whom it may concern.....
.....July 20, 1916
July 21, 1916—LOT 14 BLK 27, Reg-
ents Park Tract No. 6, Albany.
Mrs L L Lanning to G B Hollen-
beck.....July 18, 1916
July 21, 1916—E TELEGRAPH AVE
70 N 36th E 110xN 55, Okd. Charles
S Booth to J W Eber.....July 20, 1916
July 22, 1916—LOTS 4 AND 5 BLK 1
Map Martin Kellogg Pty, Bkly.
Ralph P Merritt to William Living-
ston.....July 21, 1916
July 24, 1916—S HAWWOOD AVE 265
E College Ave 40x115, Okd. F R
Jordan to whom it may concern....
.....July 20, 1916
July 24, 1916—LOT 37 College Court
Tract, Okd. F F Morse to F C
Stolte.....June 27, 1916
July 25, 1916—LOT 24 BLK 3 Revised
Map of Rock Ridge Park, Okd.
Ralph E Smith to Riddell Bldg
Service Corp.....July 20, 1916
July 25, 1916—E SAN PABLO AVE
77-7 S 29th N 25 E 75 S 22-7, Okd.
H C Mjelle to Geo S Streshly and
E Eliertsen.....July 24, 1916
July 25, 1916—S 1/2 LOT 23 and Lot
24 Blk 5 Regents Park No. 4, Al-
bany. Jas W Brazier to whom it
may concern.....July 22, 1916
July 25, 1916—LOT 22 BLK "G" Map
Huntington Tract, Okd. J P Silva
to whom it may concern.....July 25, 1916
July 25, 1916—LOT 1 BLK 1 Thous-
and Oaks Heights, being SV Ar-
lington and Nottingham Aves, Oak-
land Tp. Wm S Wallace to A H
Fallen.....July 18, 1916
July 25, 1916—E ST. CHARLES 710
from San Antonio Ave and further-
ly along St. Charles 100 E 100 S to
shore line S F Bay E 127 N 502 W
50 S 92-6 W 150, Alameda. Geo
A Kernick to Schnelby, Hostrower
& Pedgrift.....July 15, 1916
July 26, 1916—LOT 268 PLOT 11,
Mountain View Cemetery, Oakland
Tp. J A Bohn to California Granite
Co.....July 20, 1916
July 26, 1916—LOT 23 BLK 3 Amend-
ed Map Thousand Oaks Court, Oak-
land Tp. Francis S Spring to whom
it may concern.....July 25, 1916
July 26, 1916—N MILES AVE 76.41 W
College Ave W 40xN 86.67, Okd.
Miss A C Broderick to P N Win-
lund.....July 13, 1916
July 27, 1916—E OK 110 N Ninth
N 30xE 100, Oakland. V N Strang
to whom it may concern.....July 27, 1916
July 29, 1916—S FIFTEENTH 100 W
Bruck 50x82-6, Okd. Olof and Chas
Monson by A Monson to whom it
may concern.....July 28, 1916
July 29, 1916—W SECOND AVE, bet
E-11th and E-15th 55x70; being No.
1435 Second Ave, Okd. A H Smith
to Sommarstrom Bros.....July 29, 1916
July 29, 1916—FIRST AND MARKET,
Okd. S P Co to Ransome Crumney
Co.....July 24, 1916
July 29, 1916—LOTS 31 AND 32 BLK
18 Map No. 6, Regents Park, Albany
Mary M England to C A Borle....
.....July 27, 1916
July 31, 1916—NE FIFTY-NINTH &
Elsie Ave N 45xE 90, Okd. Joseph
Coward to whom it may concern....
.....July 29, 1916
July 31, 1916—E ELSIE AVE 45 N
59th N 45xE 90, Okd. Joseph Co-
ward to whom it may concern.....
.....July 26, 1916
July 31, 1916—NE ELTON 167.5 NE
Graffian NE 37.5xNW 100, Oakland.
J A Carlson to J Carlson.....July 27, 1916
Aug. 1, 1916—LOT 24 BLK "F" Map
Kenwood Park, Okd. Syndicate
Investment Co to Roy B Litton....
.....July 28, 1916
Aug. 1, 1916—LOTS 8 TO 24 INCL
and Ptn Lots 4, 5, 6, 7 and 25 to 32
incl Map R. J. McMullen's Shdvn
Blk 570 of Oakland, Pacific Coast
Shredded Wheat Co to Maxwell
Hardware Co, Completed —; Johns
Mansville Co.....Completed —
Aug. 2, 1916—NE DERBY & CALI-
fornia E 30xN 95.6, Bkly. Margaret
Pirang to whom it may concern....
.....July 17, 1916
Aug. 2, 1916—N MILES AVE 76.41 W
College Ave W 40xN 86.67, Okd.
Anita C Broderick to P N Winlund
.....July 26, 1916
Aug. 2, 1916—S 10 LOT 126 AND N
25 Lot 124, Terminal Junction Tet,
Albany. I Ariel Kellogg to whom
it may concern.....Aug. 2, 1916
Aug. 3, 1916—LOT 8 BLK 11 Reshdvn
Biks 9, 10, 11, 12, 13, 14 and ptn
Blk 16 Rock Ridge Terrace, Okd.
E A Drew to E M Reagh.....July 31, 1916
Aug. 3, 1916—S FIFTIETH 165-225 E
Shafter; being Nos. 333-385 50th,
Okd. Mrs. George P Morrow to
Harry Ahnefeld.....July 28, 1916
Aug. 3, 1916—E FRUITVALE AVE 80
S Hyde 40x120; being No. 2522
Fruitvale Ave, Okd. Alice L Doug-
lass to Chas E Quigley.....Aug. 1, 1916

LIENS FILED

ALAMEDA COUNTY.

July 15, 1916—S 112.70 LOT 2 and N
27.04 Lot 3 Map A. J. Snyder's Pied-
mont Terrace-by-the-Lake, Okd.
Oakland Paving Co vs R E Stubbe
and Leda Y Stubbe.....\$61.80
July 15, 1916—E PALA AVE 146.63
N Vernal Ave N 50xE 110, Okd.
Standard Fence Co vs R E Stubbe
.....\$70.80
July 15, 1916—S 12.70 LOT 2 and N
27.04 Lot 3 Map A J Snyder's Pied-
mont Terrace-by-the-Lake, Okd.
Pacific Fuel & Building Material
Co vs R E and Leda Y Stubbe, G W
Comfort and G F Spewor.....\$233.73
July 15, 1916—S 12.70 LOT 2 and N
27.04 Lot 3 A J Snyder's Piedmont
Terrace-by-the-Lake, Okd. Stand-
ard Fence Co, \$34.95; Hansen Floor
Co, \$50.25; M Friedman & Co, \$29.90

- Cavasso Glass Co. \$21.99; Bass-Heuter Paint Co. \$101.05 vs R E and Leda Y Stubbe.....\$157.58
- July 17, 1916—LOT 16 and Ptn Lot 15 Map Shattuck Hotel Tract, Bkly. W P Fuller & Co vs C A Muller.....\$157.58
- July 17, 1916—N FORTY-SIXTH 29 E Market N 100xW 35, Okd. Sunset Lumber Co vs J P Silva.....\$303.25
- July 17, 1916—PTN LOT 2 BLK 1, Amended Map Hopkins Terrace Map No. 4, Bkly. Sunset Lumber Co vs F A McCall and Samuel Clark.....\$506.11
- July 19, 1916—S CALMAR AVE 217 W Paloma Ave W 50xS 151-6, Okd. Norio Cavaglia vs Annie Depauli and F Depauli.....\$276.80
- July 20, 1916—S CENTRAL AVE 423-5 W Webster S 752-1 SW to S boundary line of land described in patent made by United States Government to Antonio Mara Peralta W to pt 1 deg 35 min W point beg NE to beg, Alameda. A W Russell vs S Gordon, Henry Clorestofeld, E M McConnell and C L Williams and Surf Beach Amusement Co.....\$95.85
- July 20, 1916—S 1270 LOT 2 and N 27.04 Lot 3 Map A J Snyder's Piedmont Terrace-by-the-Lake, Okd. G F Sperow vs R E Stubbe.....\$381
- July 20, 1916—LOT 17 BLK 22 Map Northbrae, Bkly. Tilden Lumber Co vs J G and W N Taylor.....\$303.54
- July 20, 1916—SW 15 LOT 24 and NE 45 Lot 25 Blk 14 Blvd Park Tract, Okd. F M Drelshach vs Vernon N Taft and Sopka L Taft.....\$408.51
- July 20, 1916—W TWENTY-THIRD Ave 40 from N line E-25th S 40x W 125, Okd. A F Virgil vs E H Strang.....\$21.75
- July 24, 1916—LOT 35 BLK "II" Foot-hill Park, being Nos. 2633-35 63rd Ave, Okd. Eureka Mill & Lumber Co vs Joseph Bauman and A Roust.....\$64.46
- July 25, 1916—PTN LOT 2 BLK 1 Amended Map Hopkins Terrace No. 4, Bkly. S Jorgensen vs F A McCall, Samuel Clark and A Severy.....\$30
- July 25, 1916—LOT 14 BLK 20 Map Northbrae Tract, Bkly. Union Pape vs Daniel F Gordon.....\$90
- July 26, 1916—S 1270 LOT 2 N 27.04 Lot 3 A J Snyder's Piedmont Terrace-by-the-Lake, Okd. John P Maxwell (Maxwell Hardware Co.) vs R E Stubbe.....\$57.32
- July 27, 1916—S CENTRAL AVE 123-5 W Webster E 752-1 S 1 deg 35 min W to boundary line of patent made by U. S. to Antonio Maria Peralta W to pt 1 deg 35 min W pt beg N 1 deg 35 min E to pt beg, Ala B W Ariss vs Surf Beach Amusement Co and A T Spence.....\$325
- July 28, 1916—LOT 35 BLK "II" Foot-hill Park Tract; being Nos. 2633-35 63rd Ave., Okd. Spott Bros vs Joseph Baumann and A Roust.....\$44.37
- July 28, 1916—LOT 14 BLK 20 Map Northbrae, being No. 1607 Sonoma Ave., Albany. Spott Bros vs J G and W N Taylor.....\$35
- July 28, 1916—PTN LOT 2 BLK 1, Amended Map Hopkins Terrace No. 4, Bkly. Bay Elec Co vs F A McCall and Samuel Clark.....\$58.80
- July 28 1916—LOT 18 MAP NO. 2, Wm M Butler's Tract Okd. C II
- July 29, 1916—LOTS 22, 25, 26, 27 and ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 T 2 S Range 4 W M D M, Map Sale Map No. 10 of Salt Marsh & Tide Lands, Alameda. August Freese vs Surf Beach Amusement Co, John Doe & Richard Roe.....\$15,500
- July 29, 1916—S TAYLOR AVE 333-7 W Webster W 31-3xS 141-6, Ala. D C Donaldson vs Weitzel & Jones and Guseippe Pucci.....\$59
- July 29, 1916—LOT 16 and E ½ Lot 15 Shattuck Hotel Tract, Bkly. E C Herbst vs Maye C and C Alvin Muller and John A Kuivala.....\$122
- July 29, 1916—LOT 30 Map Arnold Blvd Tract, Brooklyn Tp. Sunset Lumber Co vs H A and Rebecca M Waller, O G Smith and F F Morse.....\$263.60
- July 29, 1916—LOT 25 Map College Court, Okd. Sunset Lumber Co vs F F Morse, Frederick Smith and O G Smith.....\$589.47
- July 29, 1916—PTN BLK 2 LOT 1 Amended Map Hopkins Terrace, Bkly. H N Cuning vs Sam Clark, F A McCall, Realty Finance & Development Co and M E O'Gara.....\$90
- July 31, 1916—LOT 16 BLK 22, Northbrae, Oakland Tp. Tilden Lumber Co vs Edward H Taugher, Tim D O'Leary and J G Taylor.....\$192.21
- July 31, 1916—LOT 21 BLK 22, Northbrae, Oakland Tp. Tilden Lumber Co vs W N and J G Taylor.....\$179.81
- July 31, 1916—SW FLEMING AVE 234.66 NW Seminary Ave NW 70x SW 96, Okd. Sunset Lumber Co vs F F Morse and O G Smith.....\$572.97
- July 31, 1916—NO. 2422 DELMER, being Lot 4, Diamond Terrace, Okd. William Allan vs D Z Tallman.....\$25
- July 31, 1916—LOT 14 BLK 20, Northbrae, Oakland Tp. Tilden Lumber Co vs M E and J G Taylor, Oakland Title Insurance & Guaranty Co.....\$100.87
- July 31, 1916—NE FLEMING AVE 650; NW Seminary Ave NW 50xNE 100, Okd. Sunset Lumber Co vs F F Morse and O G Smith.....\$290.66
- Aug. 1, 1916—S KITTREDGE 234.73 E Milvia E 60xS 128.64, Bkly. J H Green, \$60; John Froberg, \$115; W C Austin, \$85; Walter Mork, \$156; Tilden Lumber Co, \$1081.85; Contra Costa Bldg Material Co, \$1060.07 vs C A Muller and John A Kuivala
- Aug. 1, 1916—S KITTREDGE, bet. Shattuck Ave and Milvia, being Lot 16 and Ptn Lot 15 Shattuck Hotel Tract 60x128.64, Bkly. Sunset Hardware Co vs C A Muller and John A Kuivala.....\$22.76
- Aug. 2, 1916—N KITTREDGE 317.35 W Shattuck Ave W 60xS 128.64, Bkly. The Parafine Paint Co vs John A Kuivala and C A Muller.....\$280
- Aug. 2, 1916—LOT 25 Map College Court, Okd. California Door Co vs F F Morse and O G and Frederick Smith.....\$168.56
- Aug. 2, 1916—W 50 LOT 42 and E 10 Lot 41 Map College Court, Okd. California Door Co vs F F Morse and O G Smith.....\$141.10
- Aug. 2, 1916—LOT 20 Map Arnold Blvd Tract, Brooklyn T. California Door Co vs H A Waller, Rebecca M Waller, O G Smith and F F Morse.....\$53
- Aug. 2, 1916—PTN LOT 2 BLK 1 Amended Map Hopkins Terrace No. 4, Bkly. L E Wilber vs Samuel Clark, F A McCall and Finance & Realty Development Co.....\$11.25
- Aug. 2, 1916—SE FOURTH AVE 156 SW E-16th SW 44xSE 100, Okd. Hugo C Anderson, \$114.95; Charles C Krueger, \$21.50 vs J H Brincefield and W O French.....
- Aug. 2, 1916—PTN LOT 2 BLK 1 Map Hopkins Terrace Map No. 4, Bkly. A Survey vs Samuel Clark and F A McCall.....\$110
- Aug. 3, 1916—PTN LOT 2 BLK 1 Map Amended Map Hopkins Terrace No. 4, Bkly. Leo J Meyberg Co vs Finance Realty Co and F A McCall.....\$71
- Aug. 3, 1916—E HADDON ROAD, being Lot 29 Map Kelly Tract, Okd. B A Stewart vs E C Bridgman Jr and Anderson.....\$959
- Aug. 3, 1916—SW FLEMING AVE 234.66 NW Seminary Ave NW 70x EW 96, Okd. Eureka Mill & Lumber Co vs F F Morse and O G Smith.....\$55
- Aug. 3, 1916—NE FLEMING AVE 650 NW Seminary Ave NW 50xNE 100, Okd. B A Stewart vs F F Morse and O G Smith.....\$143
- Aug. 3, 1916—LOT 25 Map College Court, Okl. B A Stewart vs F F Morse and O G Smith.....\$242.48
- Aug. 3, 1916—LOT 30 Map Arnold Blvd Tract, Okd. B A Stewart vs F F Morse and O G Smith.....\$61
- Aug. 4, 1916—NE BROADWAY and Taft Ave E 163xN 104, Okd. W P Fuller & Co vs F W Huller and Wm McDougall.....\$107.02
- Aug. 4, 1916—LOT 29 Map Kelly's Five and Twenty-five One Hundredths Acre Piece, Okd. Pacific Mfg Co vs E C Bridgman Jr and Jane Doe Anderson.....\$200
- Aug. 4, 1916—S KITTREDGE 234.73 E Milvia E 60xS 128.64, Berkeley. Joseph Musto Sons-Keenan Co vs John A Kuivala and C A and M C Muller.....\$75

SAN JOSE AND THE SANTA CLARA VALLEY

HIGHWAY IMPROVEMENTS—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on August 21st at 11 a. m. for the improvements of highways authorized under the following resolutions: For the improvement of Lincoln avenue in Supervisor District No. 4; for the improvement of San Martin avenue in Supervisor District No. 1; for the improvement of Campbell avenue in Supervisor District No. 1; for the improvement of Lawrence Station road in Supervisor District No. 4.

SCHOOL—1 story and base, frame, \$12,000. Watsonville, Santa Cruz Co., Cal. Architect, Ralph Wyckoff, Watsonville. Owners, City of Watsonville. Will contain four class rooms and an assembly hall. Plans being prepared.

SCHOOL ADDITION—1 and 2 story, reinforced concrete and brick, \$54,000. San Jose, Santa Clara Co., Cal. Architect, William Binder, Rea Bldg., San Jose. Owners, City of San Jose. Will consist of an addition for the gymnasium, a complete economics building and swimming tank. Plans being prepared. Ready for figures about August 28th.

SCHOOL—1 story and base, frame, \$14,000. San Jose, Santa Clara Co., Cal. Architect, F. G. Aitken, Theatre Bldg., San Jose. Owners, City of San Jose. Will be known as the Washington School and contain four class rooms. Plans being prepared.

Contracts Awarded

SCHOOL—1 story and base, frame, \$23,403. San Jose, Santa Clara Co., Cal. Architect, Charles S. McKenzie, Bank of San Jose Bldg., San Jose. Owners, City of San Jose. Contractor, Peter Jorgenson, Naglee and Dana streets, San Jose. Contract price, \$23,403.

Big Lumber Carrier.

ASTORIA—The first big ship to be built at the new yards of the American Shipbuilding Co. will be the largest wood lumber carrier in the world. The vessel will measure 215 feet in length and will have a beam of 52 feet. The cargo capacity will be 2,500,000 feet of lumber.

Receive Figures For San Jose Work.

County Supervisors Open Figures For Two Miles of Sewer and for Small Concrete Bridge.

(By Special Wire)
SAN JOSE, Santa Clara Co., Cal.—Bids were opened by the Santa Clara Board of Supervisors Monday, August 7th, for the construction of about two miles of sewer to connect the Infirmary with the City of San Jose. At the same meeting figures were also opened for a small reinforced concrete bridge. Following is a complete list of the bids received:

Infirmary Sewer.	
W. F. Edwards.....	\$6,633.00
W. P. Tobin.....	6,887.86
Tibbitts-Pacific Co.....	7,187.00
Baker & Martin.....	7,377.00
Fred Meyers.....	7,494.58
E. H. Williams & W. H. Otter.....	7,859.00
Chambers & Heafy.....	7,926.30
J. F. Adams.....	8,625.00
Bramham Bridge.	
J. Doyle.....	\$1,963
J. W. Williams.....	2,040
W. Martin.....	2,014

BUILDING CONTRACTS

SANTA CLARA COUNTY.

DWELLING
LOS ALTOS. All work for dwelling. Owner.....Ed. J. McCutchen, 1107 Merchants' Exchange Bldg San Francisco.
Architect...John White, Lick Bldg., San Francisco.
Contractor...Cavanagh Bros.
Filed July 27, '16. Dated July 26, '16.
Frame up.....\$1438.75
Plastering done.....1438.75
Job accepted.....1438.75
Usual 35 days.....1438.75
TOTAL COST, \$7555.00
Bond, \$2877. Surety, Royal Indemnity Co. Limit, 60 days from date. Forfeit, \$10 per day. Plans and specifications filed.

ALTERATIONS
S SAN PEDRO ST., bet. Santa Clara and San Fernando Sts., San Jose. All work for remodeling old old house into a garage.
Owner.....T. B. and C. B. Campen, 230 S-12th St., San Jose.
Architect...F. D. Wolfe, Bank of Italy Bldg., San Jose.

PIERCE-BOSQUIT Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

Contractor...J. H. Miller, 1041 S-Second St., San Jose.
Filed Aug. 1, '16. Dated Aug. 1, '16.
Ready for roofing.....\$877.75
Concrete floored.....877.75
When completed.....877.75
Usual 35 days.....877.75
TOTAL COST, \$3511.00
Bond, \$1755.50. Sureties, T. B. Hubbard and W. A. Beall. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME SCHOOL
ON OLD HAWTHORNE SCHOOL Grounds, East San Jose. All work for one-story frame school building. Owner.....Board of Education, San Jose.
Architect...F. D. Wolfe, Bank of Italy Bldg., San Jose.
Contractor...C. Thomas, San Jose.
Filed Aug. 4, '16. Dated Aug. 2, '16.
Floor joists in.....\$1447.56 1/2
1st coat plaster on.....4147.56 1/2
Carpenter work completed 4147.56 1/2
Building completed.....4147.56 1/2
Usual 35 days.....5524.75
TOTAL COST, \$22,115.00
Bond, \$11,057.50. Sureties, J. A. Chase and C. Pallsen. Limit, 120 days. Forfeit, \$5. Plans and specifications filed.

FRAME DWELLING
COR. STOCKTON AVE & POLHEMUS St., San Jose. All work for two-story frame dwelling.
Owner.....Miss Mary Polhemus, 64 Stockton Ave., San Jose.
Architect...W. E. Higgins, 1210 Jefferson St., Santa Clara.
Contractor...E. A. Bevans, San Jose.
Filed Aug. 4, '16. Dated Aug. 3, '16.
Frame up.....\$1490.60
When plastered.....1490.60
When finished.....1490.60
Usual 35 days.....1490.70
TOTAL COST, \$5962.00
Bond, \$2982. Sureties, R. T. Pierce and L. D. Bohnett. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING
HESTER PARK near Singletary Ave., San Jose. Mill work for two-story frame dwelling.
Owner.....The Lewis Co. for G. Singletary, 1st National Bank Bldg., San Jose.
Architect...W. Skillings, 515 Garden City Bank Bldg., S. J.

FAST ELECTRIC TRAINS TO Sacramento

LEAVE KEY ROUTE FERRY

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point. Carries Observation Car. Through train in Chico, Marysville, Colusa Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:30A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train service between Bay Cities and points in the Sacramento Valley.

Thru beautiful Redwood Canyon and Mt. Diablo country.

Write for illustrated folder and time table.

Oakland, Antioch & Eastern Railway

L. H. RODEBAUGH
Traffic Manager
Oakland - Cal.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 3755.

Contractor, The Minton Lumber Co.
Filed Aug. 4, '16. Dated Aug. 4, '16.

Payments not given.....

TOTAL COST, \$2124.50

Bond, limit, forfeit, none. Plans and specifications filed.

LIENS FILED

SANTA CLARA COUNTY.

RECORDED	AMOUNT
Aug. 1, 1916—LOAS S AND 9 BLK 3, Monte Vista. W W Enger vs F Quintero	\$52
Aug. 1, 1916—LOTS S AND 9 BLK 3, Monte Vista. H J Langdon vs F Quintero	\$216.16

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME DWELLING

LOT 7 BLK 4 Burlingame Park Sub.
No. 2, Burlingame. All work except
electric and gas fixtures for one-
story single roofed frame dwelling
and garage.

Owner.....E. T. Goodell, Burlingame.
Architect...None.

Contractor...W. B. Eaton, 224 Park
Road, Burlingame.

Filed Aug. 3, '16. Dated July 31, '16.

When framed	\$750
Brown plastered	750
When completed	750
Usual 35 days.....	750

TOTAL COST, \$3000

Bond, \$1500. Sureties, Joseph Grimes
and H. W. Regan. Limit, 90 days.
Forfeit, none. Plans and specifications
filed.

CONCRETE JAIL BUILDING

WEBSTER ST., near Broadway, Red-
wood City. Cell work, locking de-
vices, window guards, steel doors,
etc., for reinforced concrete jail
building.

Owner.....County of San Mateo.
Architect...W. H. Toepke, 46 Kearny,
San Francisco.

Contractor...Pauly Jail Building Co.,
St. Louis, Missouri.

Filed Aug. 3, '16. Dated July 22, '16.

Payments of	75%
Usual 35 days.....	25%

TOTAL COST, \$17,604

Bond, \$8802. Surety, United States Fi-
delity & Guaranty Co. Limit, June 1,
1917. Forfeit, none. Plans and speci-
fications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED	ACCEPTED
Aug. 2, 1916—LOT 9, Burlingame Heights, Burlingame, Adolph Meyer to J W Broderick.....Aug. 1, 1916	
Aug. 1, 1916—LOT 30 BLK 47, Easton Add'n to Burlingame No. 4, Burl- ingame, Cal. Thomas and Sarah Helen Bradbury to Samuel McClure.....July 24, 1916	
Aug. 3, 1916—PTN LOT 29 SEC 22 Twp 3, S Range 5 W, U. S. Suvey South San Francisco. T L Hoffman, G D Mengola, B Kraus and R P Cohn to C E Lamberth.....July 29, 1916	
Aug. 3, 1916—LOT 27, Burlingame Heights. Emile Henry Le-trodec to N B Eaton.....Aug. 2, 1916	

LIENS FILED

SAN MATEO COUNTY.

RECORDED	AMOUNT
Aug. 2, 1916—LOT 153 Wellesley Park Villa Lots, Redwood City. Inland Floor Co vs Mrs Ora C Smith...\$95.75	
Aug. 2, 1916—LOT "G" BLK 6, Bur- lingame Terrace No. 2, Burlingame. Eureka Sash, Door & Moulding Mills vs Ella Foley and J B Wool- frey	\$613.27

RECORDED	AMOUNT
July 17, 1916—LOT 1 BLK 15, Frey- schlag's Sub Reed Add'n, San Jose. A J Maisonneuve and A Schirle vs Frank Peres	\$264

July 31, 1916—PTN LOT NO. 4 BLK
"G" Worster Whitten & Montgom-
ery Sub of Redwood Farms, Red-
wood. James Cocks vs Mamie L
Williams and Grace E Duckenfield
.....\$40.75

July 29, 1916—LOT "G" BLK 6, Bur-
lingame Terrace No. 2, Burlingame.
Aene Lumber Co vs Thomas K
Foley and John B Woolfrey...\$155.50

Aug. 2, 1916—LOT "G" BLK 6, Bur-
lingame Terrace No. 2, Burlingame
San Mateo Planing Mill Co vs
John B Woolfrey and Thomas K
Foley
 \$187.06 |

Aug. 3, 1916—LOT 11 BLK 2, Jenevein
Shdvn, San Mateo. San Bruno
Lumber & Supply Co vs A D and
Amelia Jenevein and W J Knapp
.....\$768.20

MARIN, CONTRA COSTA AND SONOMA COUNTIES

BRIDGE AND ABUTMENTS—Rein-
forced concrete. Cost not stated. Napa,
Napa Co, Cal. Engineer, County Sur-
veyor, Napa. Owners, Napa County.
The County Supervisors have instruct-
ed the Clerk to advertise for bids for
the construction of abutments and
wing walls for a bridge near Ruther-
ford. Plans for the work may be had
from the County Clerk.

BRIDGE—Reinforced concrete. Cost
not stated. Napa, Napa Co, Cal. En-
gineer, County Surveyor, Napa. Own-
ers, Napa County. Bids will be opened
on August 31st at 2 p. m. for the con-
struction of abutments and wing walls
for bridge across slough on county
road leading easterly from Rutherford,
about 150 yards west of the bridge
across Napa River in Supervisorial Dis-
trict No. 2.

HIGHWAY IMPROVEMENT — Cost
not stated. Santa Rosa, Sonoma Co,
Cal. Engineer, County Surveyor, Santa
Rosa. Owners, Sonoma County. Bids
will be opened on August 16th at 12
noon for the resurfacing of the fol-
lowing described roads: Approximately
1.4 miles on Sonoma road, beginning
at the city limits of the city of Santa
Rosa; approximately 1.4 miles on the
petaluma road, beginning at the city
limits of the city of Santa Rosa; ap-
proximately 1½ miles on the Sonoma
and Santa Rosa road, beginning at the
city limits of the city of Sonoma; ap-
proximately 1½ miles of the Two Rock
road, beginning at the city limits of
the city of Petaluma; and approxi-
mately 1 mile on the Valley Ford and
Bloomsfield road, beginning at the
township line dividing Anady and Bo-
doga townships, thence through Valley
Ford.

PAVING—Cost not stated. Vallejo,
Solano Co, Cal. Engineer, City Engi-

neer, Vallejo. Owners, City of Vallejo.
The City Council has set August 15th
as the date for receiving bids for the
paving planned in the northern paving
district. Plans may be had from the
City Clerk.

SEWER CONSTRUCTION—Cost not
stated. Sausalito, Marin Co, Cal. En-
gineer, Town Engineer, Sausalito.
Owners, Town of Sausalito. Bids will
be opened on August 14th at 8 p. m.
for the installation and construction
of a 6-inch, vitrified, salt-glazed iron-
stone sewer pipe line, 329 feet long on
West street, from the south line of
North street to the center line of Rich-
ardson street, together with two lamp-
holes and fourteen Y branches.

SCHOOL—1 and 2 story, frame, \$15,-
000. Danville, Contra Costa Co, Cal.
Architect, Norman R. Coulter, 46 Kearny
street, S. F. Owners, Danville
School District. Will contain nine
rooms, office and library. Plans com-
plete and figures being taken. Bids
open August 12th at 8 p. m.

SCHOOL—3 story and base, brick.
Cost not stated. Vallejo, Solano Co,
Cal. Architect, Smith O'Brien, Hum-
boldt Bank Bldg., S. F. Owners, St.
Vincent's Parish. Designed for a con-
vent school and will contain class
rooms library, gymnasium and office.
Plans complete and figures being
taken. Bids close in two weeks.

FACTORY—1 story, corrugated iron.
\$1,500. Richmond, Contra Costa Co,
Cal. Architect, none. Owner, H. W.
Hutton, Pacific Bldg., S. F. Location,
28th and Main streets. Plans complete
and work to be done by Day Labor.

PACKING HOUSE—1 story, brick,
\$20,000. Fresno, Fresno Co, Cal. Ar-
chitect, none. Owners, Cudahy Pack-
ing Co, Fresno. Location, near S. P.
tracks. Will cover an area of 40 by 80
feet. Plans prepared and figures to be
called for shortly.

BARN—1 story, frame and concrete,
\$5,000. Buchli, Napa Co, Cal. Archi-
tect, James W. Placcek, Acheson Bldg.,
Berkeley. Owner, D. Buchli. Concrete
walls and floors. Exterior rustic. Plans
being prepared.

LODGE HALL—2 story and base,
frame, \$5,000. San Rafael, Marin Co,
Cal. Architect, Charles W. Drysdale,
Sharon Bldg., S. F. Owners, San Ra-
fael Elks' Hall Association. Will con-
tain lodge rooms and offices. Plans
complete and figures being taken.

Contracts Awarded

SCHOOL—I story, frame, \$9,185. Mo-
aga, Contra Costa Co, Cal. Architect,
Norman R. Coulter, 46 Kearny street,
S. F. Owners, Willow Spring School
District. Contractors, Keller & Crane,
74 Miramar avenue, S. F. Contract
price, \$9,185.

Solano County Awards Three Bridge Contracts.

Baker & Martin of San Francisco Secure
Contracts For Three Reinforced
Concrete Structures.

(By Special Wire.)

FAIRFIELD, Solano Co, Cal.—Bids
were opened Monday, August 7th for
the construction of three small rein-
forced concrete bridges to be erected
from plans by the County Surveyor.

Baker & Martin, Sheldon Bldg., San Francisco, presented the low figures for each of the three bridges. A complete list of the bids received follows:

Weekworth Bridge.

Thornson\$ 870
California Bldg. Materials Co., 1,271
Baker & Martin..... 777

Alamo Bridge.

Thornson\$2,197
California Bldg. Materials Co., 2,665
California Constr. Co., 2,145
Sam Bentley 2,189
Baker & Martin..... 1,977

McCune Bridge.

Thornson\$1,598
California Bldg. Materials Co., 1,936
Olaf Olsen 1,821
Teacock 1,660
California Constr. Co., 1,665
Baker & Martin..... 1,577

BUILDING CONTRACTS

MARIN COUNTY.

DWELLING

BEAUFEDERE. One-story 7-room dwlg.
Owner.....Dr. Clyde S. Payne.
Architect...W. G. Hind, 46 Kearny,
San Francisco.

Day's work. COST, \$5000
NOTE—Job started.

BUNGALOW

SAN ANSELMO. All work for bun-
Owner.....L. H. Munson.
galow.
Architect...None.
Contractor...Robert Carey.
Filed July 31, '16. Dated July 24, '16.
Payments not given.....

TOTAL COST, \$—

Bond, limit, forfeit, none. Plans and
specifications filed.

ALTERATIONS

BEAUFEDERE. All work for alterations
to one-story and basement dwelling.
Owner.....V. I. Estabrook, Corinthian
Island, Marin Co., Cal.
Architect...Edward G. Bolles, 660
Market, San Francisco.
Contractor...J. Teilmann.

Filed July 29, '16. Dated July 25, '16.
Floor up\$750
Plaster completed 750
When accepted 750
Usual 35 days..... 750

TOTAL COST, \$2985

Bond limit, forfeit, none. Plans and
specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

WESTERLY PORTION OF PREMISES
known as Alhambra Union High
School Grounds. All work for one-
story frame building for manual
training work.

Owner.....Board of Trustees of Al-
hambra Union High School
Architect...George D. Young.

Contractor...A. W. Potter.
Filed July 19, '16. Dated July 19, '16.
Frame up\$ 500
When completed 600
Usual 35 days..... 1100

TOTAL COST, \$2200

Bond, \$1100. Sureties, A. V. Potter and
A. E. Blum. Limit, 30 days. Forfeit,
none. Plans and specifications filed.

RESIDENCE

TENTH ST., bet. Barrett and Ripley,
Richmond. Residence.

Owner.....G. L. Messerle, 345 10th St.,
Richmond.

Architect...James T. Narbett, 704 Mac-
donald Ave., Richmond.
Contractor...J. A. Fagerstrom, 25 9th
St., Richmond.

COST, \$3500

TWENTY-EIGHTH AND MAIN, Rich-
mond. Corrugated iron carbon fac-
tory building.

Owner.....H. W. Hutton, Pacific Bldg
San Francisco.
Architect...None.
Day's work. COST, \$1500

COTTAGE

FIRST, bet. Bissell and Chanslor Sts.,
Richmond. Cottage.

Owner.....R. A. Mobbs, 1285 20th
Ave., San Francisco.
Architect...None.
Contractor...E. A. F. Carson, 4223 19th,
San Francisco.
COST, \$1400

BRICK GARAGE

GARRARD AVE., Richmond. All work
for brick garage.

Owner.....R. L. Wrighton, Richmond.
Architect...J. B. Oghorn, 822 Mac-
donald Ave., Richmond.
Day's work. COST, \$5000

FRAME SCHOOL

WILLOW SPRING SCHOOL DISTRICT.
Morago, Contra Costa County. All
work for one-story frame and plaster
school.

Owner.....Board of Trustees Willow
Spring School District.
Architect...Norman R. Coulter, 46
Kearny, San Francisco.
Contractor...Keller & Crane, 74 Mira-
mar Ave., San Francisco.
COST, \$9185

COMPLETION NOTICES

MARIN COUNTY.

RECORDED	ACCEPTED
July 29, 1916—SAN RAFAEL, N Pag-	
anini to whom it may concern.....	July 22, 1916
July 31, 1916—FAIRFAX. Paul and	
Rose Arata to A F Hanson.....	July 31, 1916
.....	July 31, 1916
July 28, 1916—SAUSALITO. W D	
Claussen to A W Weather.....	July 18, '16

RELEASE OF LIENS

MARIN COUNTY.

RECORDED	AMOUNT
July 27, 1916—SAN ANSELMO, Eu-	
gene Garibaldi, A F Souza and M	
Calliti to Richard Leach.....	\$410.25

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED	ACCEPTED
July 15, 1916—AT COMPANY'S	
Plant at Avon. Associated Oil Co	
to Western Pipe & Steel Co.....	July 5, 1916
.....	July 5, 1916
July 24, 1916—LOT 13 BLK 6, City of	
Richmond. C P Neckel to Norman	
E Anderson.....	July 18, 1916

**FRESNO, MODESTO, STANISLAUS
AND CENTRAL CALIFORNIA**

STORE ALTERATIONS — \$25,000.
Fresno, Fresno Co., Cal. Architect,
none. Owners, Owl Drug Co., L. G.
Fernandez in charge, Fresno. Plans
complete and segregated figures now
being taken.

SCHOOL—1 story and base, brick
and hollow tile, \$32,000. Modesto, Stan-
islaus Co., Cal. Architect, Joseph Bell
De Henner, Los Angeles. Owners, Mo-
desto School District. Location 1
street. Will contain eight class rooms,
domestic science and manual training
departments and an auditorium seat-
ing 100 people. Plans complete and
figures close September 30th.

STREET IMPROVEMENTS—Cost not
stated. Fresno, Fresno Co., Cal. En-
gineer, City Engineer, Fresno. Own-
ers, City of Fresno. The Board of
Trustees has ordered the improvement
of South Angus street, from Hazelton
Addition to the Odd Fellow's Addition,
by the construction of oil and macadam
paving, and corrugated iron culverts,
in accordance with plans and specifi-
cations on file at the office of the City
Clerk. E. H. Chapin is the superinten-
dent of streets.

CHURCH—1 story and base, frame
and concrete, \$9,744. Oakdale, Stan-
islaus Co., Cal. Architect, W. J. Wythe,
Central Bank Bldg., Oakland. Owners,
First Methodist Church. Voorhees &
Son, Ltd., presented the low figure for
this work and will probably be award-
ed the contract.
not stated.

SCHOOL, REPAIRS—Plumbing, etc.
Cost not stated. Easterly School Dis-
trict, Fresno Co., Cal. Architect, none.
Owners, Easterly School District. Bids
will be opened on August 14th. Plans
can be secured from J. M. Euless,
Clerk, at 2110 Tulare street, Fresno.

SCHOOL, TOILETS—5, \$2,000. Fres-
no, Fresno Co., Cal. Architect, none.
Owners, City of Fresno. The Board of
Education will install five toilets in
the Columbia and Jefferson Schools by
Day Labor.

SEWER SYSTEM—Cost not stated.
Fresno, Fresno Co., Cal. Engineers,
Gibben & Olmsted, Los Angeles. Own-
ers, City of Fresno. The City Council
will probably issue a call for bids at
their next meeting for the construction
of Fresno's new sanitary sewer sys-
tem, according to City Engineer B. A.
Cronkite, who has plans for the work
ready for approval.

RAILROAD CONSTRUCTION — Cost
not stated. Porterville, Tulare Co., Cal.
Engineer's name not given. Owners,
Visalia and Southern Pacific Co. Con-
tractors, Robert Sherer & Co., Pacific
Electric Bldg., L. A. Contract price
not stated. Twenty miles of roadbed.

SCHOOL YARD WORK—Cost as fol-
lows. Madera, Madera Co., Cal. Archi-
tect, none. Owners, Madera School Dis-
trict. Contractor, A. Gendron, Madera.
Contract price 11c per square foot for
sidewalk, 29c per linear foot for curb
and 50c per cubic yard for retaining
wall.

BUILDING CONTRACTS

FRESNO COUNTY.

ALTERATIONS
LOTS 18 AND 19 BLK 83, Fresno.
Alterations to building.

Owner.Owl Drug Co., Lessee.
 Architect.None.
 Day's work. COST, \$10,000

TOILETS
FRESNO. Five toilets in Columbia and Jefferson Schools.
 Owner.City of Fresno School Dist
 Architect.None.
 Day's work. COST, \$2,000

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED **ACCEPTED**
 Aug. 1, 1916—LOT 59 Bullard North Fresno addition, Fresno. Le Roy Carroll to whom it may concern. Aug. 1, 1916
 Aug. 1, 1916—LOT 11 North Van Ness Tract, Fresno. Chas L Link to whom it may concern. July 11, 1916
 July 29, 1916—LOTS 10 AND 11 N ½ Lot 12, Alhambra Tract, Fresno. C L McLane to whom it may concern. July 21, 1916

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGE—Timber and concrete. Cost not stated. Nevada City, Nevada Co. Cal. Engineer, County Surveyor, Nevada City. Owners, Nevada and Yuba Counties. On August 2nd the Supervisors held a special meeting to receive bids for the new bridge across Dry Creek at Spenceville, the cost of which is to be borne equally by Yuba and Nevada Counties. As no bids were received, the matter has been laid on the table. Whether the road and bridge will be built is a question to be decided in the future.

BRIDGE—Timber and concrete. Cost not stated. Auburn, Placer Co. Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. Bids will be opened on August 8th at 10 a. m. for the construction of a wooden bridge upon concrete pier and abutments across Auburn Ravine at the so-called Virginatown Crossing in Sec. 17, Tp 12 N. R. E. M. D. R. & M.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened as follows for street improvements authorized under the following resolutions: That II street from 31st street to Mont Clair avenue, be improved by constructing concrete curb, concrete gutter, 138 linear feet of concrete gutter of special design; 6 and 8 inch, vitrified, ironstone sewer pipe drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes complete; concrete sidewalk; grading the space between the property line and curb; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick; reconstructing ten concrete manholes by placing same to official grade.

That D street, from Ashby avenue to Apricot avenue, be improved by constructing concrete curb, concrete gutter; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; constructing 6 and 8-inch, vitrified, ironstone sewer

pipe drains; reconstructing existing concrete manhole; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick, and filling in behind the curb with earth for a distance of 8 feet.

That 1st avenue in Oak Grove, from Lower Stockton road to Central avenue, be improved by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; constructing 6-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway from the east line of the Lower Stockton road to the west line of Central avenue and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick.

That 15th street, from C street to D street, be improved by constructing concrete curb, concrete gutter; filling in behind the curbs with earth; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; reconstructing one concrete manhole; filling in two old catch basins with earth; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

STREET PAVING—Cost not stated. Placerville, Placer Co. Cal. Engineer, Albert Givan, Sacramento. Owners, Town of Placerville. The City Trustees have adopted plans and specifications for the paving of Main street, as prepared by Engineer Albert Givan of Sacramento. The City Clerk was instructed to advertise for bids. The paving of the street will provide connection with the State highway. Plans may be had from the City Clerk.

SEWER AND LEVEE CONSTRUCTION—Cost as follows. Stockton, Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. At the last meeting of the City Council bids for sewer and levee work were opened as follows for the construction of a system of lateral sewers in Brown's, Blain's and Coguro's additions, and the easterly and westerly extension of north Stockton, all north of Wyandotte street: Chambers & Heafey, Bacon Bldg., Oakland, \$11,993.61; Frank C. McIntire, \$14,180.97; W. F. Edwards, \$13,422.24; City Engineer's estimate, \$14,765.49. For the construction of lateral sewers in the district north of Fremont, south of Rose and west of Edison street: City Engineer's estimate, \$7,745; W. F. Edwards, 675 31st street, Oakland \$7,701.16; Chambers & Heafey, \$5,166.10. Two low bids were offered for the improvement of the Webber levee from Commerce street to a point 150 feet beyond Monroe street. The contract calls for the paving of the levee. City Engineer Compton's estimate amounted to \$3,916.15, and the lowest offer was made by the Clark & Henry Construction Co., Ochsner Bldg., Sacramento, \$2,247.91; A. R. Mun-

son & Son submitted the next lowest bid which was also under the Engineer's estimate. Resolutions of award were introduced for the three jobs and will be passed upon finally after the lapse of five days required by law.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The following contracts have been awarded by the City Commissioners: To F. C. Creiser, rear 1821 T street, Sacramento, that 28th street, from B to Y, be improved by constructing concrete sidewalk 6 feet in width and 3½ inches thick, and grading the space between the sidewalk and curb; also that 27th street from B to Y street be improved by constructing concrete sidewalk 6 feet wide and 3½ inches thick and grading the space between the sidewalk and curb; also that 26th street, from B to Y street be improved by constructing concrete sidewalk 6 feet in width and 3½ inches thick and grading the space between the sidewalk and curb.

To J. W. Terrell, 1111 29th street Sacramento, that Lower Stockton road be improved from 7th avenue in Oak Grove to Waring Court in Capito Heights, and that Whiskey Hill road be improved from Lower Stockton road to a point 750 feet westerly from the center line of Lower Stockton road by constructing an 8 and 10-inch, vitrified ironstone pipe sewer, constructing concrete manholes complete and on 8-inch, vitrified, ironstone inlet.

SCHOOL WELL BORING—Cost not stated. Tracy, San Joaquin Co., Cal. Engineer, none. Owners, West Side Union High School District. Bids will be opened on August 12th for boring well 10 to 12 inches in diameter and about 300 feet deep.

SCHOOL—1 story and base, reinforced concrete, \$15,000. Sutter City Sutter Co. Cal. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Brittan Grammar School District. Will contain six rooms and an assembly hall. Plans complete and figures to be called for at once.

SCHOOL—2 story and base, brick. Cost not stated. Ripon, San Joaquin Co., Cal. Architect, W. H. Weeks, 7 Post street, S. F. Owners, Ripon High School District. Will contain ten classrooms, auditorium and departments for manual training and domestic science. Plans complete and bids to be opened on August 16th at 7:30 p. m. Separate figures for general construction, heating and ventilating and plumbing.

SCHOOL—1 and 2 story and base, reinforced concrete and brick, \$60,000. Tracy, San Joaquin Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners Tracy School District. Will contain ten rooms, auditorium and departments for manual training and domestic science. Plans complete and figures to be opened on August 12th. Separate figures being taken for general construction, heating and ventilating, electric work and plumbing.

SCHOOL—1 story and base, brick, \$6,000. Los Molinas, Tehama Co., Cal. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Los Molinas School District. Will contain one classroom. Plans being prepared.

BRIDGES—2, reinforced concrete and steel, \$10,000 and \$7,500. Quincy Plumas Co., Cal. Engineers, Leonard Day, Rialto Bldg., S. F. Owner

Plumas County. Bids will be opened on September 14th at 10 a. m. for a reinforced concrete bridge over Wolf Creek and for a steel structure on the Gentry Lane Crossing. Plans can be secured from either the engineers of the County Surveyor.

PUMPING EQUIPMENT — \$25,000. Woodland, Yolo Co., Cal. Engineer's name not given. Owners, Reclamation District No. 1600. Opening of the bids for building the \$25,000 pumping plant in Reclamation District 1600 has been continued. Twelve of the bidders were here at the specified time, but the district refused to open the bids, announcing that several of the larger contractors desired more time.

STREET IMPROVEMENTS — Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That Madrone avenue from the east line of 37th street to the west line of 49th street be improved by constructing concrete gutter and concrete curb, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes; 6, 8 and 12-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick; an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

That 4th avenue in Oak Grove, from the sewer in place of Lower Stockton road to the west line of East avenue be improved by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes, 6 and 8-inch, vitrified ironstone sewer pipe drains; placing two 6-inch, vitrified, ironstone Y branches, grading the area between the curbs and property line; constructing concrete sidewalk 5 feet in width and 3½ inches thick; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to Clark & Henery Construction Co. Ochsner Bldg., Sacramento.

That J street, from 31st street, east boundary line of Golf Crest, produced, be improved by constructing concrete curb, concrete gutter, 6-inch, vitrified, ironstone sewer pipe drains; concrete manholes complete, cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; constructing 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains to be connected with 6-inch, vitrified, ironstone Y branches on 8-inch sewer pipe; grading the space between the property line and curb, and constructing thereon concrete sidewalk 6 feet in width and 3½ inches thick; reconstructing 8 concrete manholes; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½

inches thick. Awarded to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That the alley between M and N streets from 4th to 5th street be improved by reconstructing one concrete manhole by placing same to official grade; reconstructing one concrete catch basin by placing same to official grade and supplying new cast iron curb and cover; grading the roadway and constructing thereon and asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick. Awarded to the McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

OIL STATION—5 buildings and 3 large tanks. Cost not stated. Alturas, Modoc Co., Cal. Engineer, Engineering Department, Standard Oil Co., S. F. Owners, Standard Oil Co. Contractor, J. C. Jarman, Alturas. Contract price

Contracts Awarded.

BRIDGES—2, steel and reinforced concrete. Cost as follows. Sacramento, Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. The State Highway Commission has awarded a contract to the Ross Construction Co., Forum Bldg., Sacramento, for the construction of two reinforced concrete bridges between Baird and Antler in Shasta County. The bid of the firm was \$21,676.38. The longest of the two bridges will be 544 feet, to be built across the Sacramento River. The other will be 120 feet long and will span Salt Creek. The contract was provisionally awarded to Howard S. Williams, Hearst Bldg., S. F., for a little more than \$18,000, but has been rejected.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

WAREHOUSE

NO. 1600 SECOND ST., on E 90 feet of Lot 8 Blk P, Q, 1st and 2nd Sts., Sacramento. One-story "Denison Tile" warehouse.

Owner,.....Central California Cannery Co., Front and P Sts., Sacramento.

Architect...None.
Contractor...Wall & Parker, North Sacramento.

COST, \$1300

FRAME FLATS

NO. 712 H ST., on E ½ of N ½ of Lot 2 Blk H, I, 7th and 8th Sts., Sacramento. Two-story frame (4) flats.

Owner...Katherine and V. T. Gunn, County Court House, Sacramento.

Architect...None.
Contractor...W. R. Saunders, 2810 I St., Sacramento.

COST, \$5600

MOVE TWO-STORY FRAME RESIDENCE to rear of above.

Contractor...W. R. Saunders, 2810 I St., Sacramento.

COST, \$300

FRAME GARAGE

NO. 1545 TWENTY-SEVENTH ST., on S ½ of Lot 1 Blk O, P, 25th and 28th Sts., Sacramento. One-story frame private garage.

Owner,.....Mrs. A. R. Brown, 1229 L St., Sacramento.

Architect...None.
Contractor...G. E. Harvie, 2212 T St., Sacramento.

COST, \$600

ALTERATIONS

NO. 2621 K ST., on E ½ Lot 6 Blk J, K, 26th and 27th Sts., Sacramento. Remodel and paint two-story frame residence.

Owner,.....Mrs. Clara Fountain, 1510 18th St., Sacramento.

Architect...None.
Contractor...R. H. Ruiter, 2715 2nd Ave., Sacramento.

COST, \$500

RESIDENCE

DOLORES AVE & CALIFORNIA ST., in Elmhurst. One-story 16-room residence (Denison tile).

Owner,.....George C. Hickingbotham, 1233 J St., Sacramento.

Architect...None.
Contractor...James A. McCullough, 1108 Yardley Ave., Sacramento.

COST, \$8500

SW TENTH AND K STS., in Blk K, L, 9th and 10th Sts., Sacramento. Mill work for alterations and additions to Hotel Land Building.

Owner,.....Nettie E. Evans.
Architect...None.
Contractor...Sacramento Planing Mill & Furniture Co., 1018 J St., Sacramento.

Filed July 28, '16. Dated July 14, '16.
COST, \$1260

BUILDING CONTRACTS.

SAN JOAQUIN COUNTY.

FRAME RESIDENCE

FOUNTAIN FAIRM. All work for one and one-half-story frame residence

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

INCREASING USE OF AMERICAN GOODS IN SHANGHAI.

Upon visiting the shops in Shanghai I find that there is much more business done in American goods in this city than Hongkong, the latter being strictly a British market. Nearly all the shops in the former city carry some American merchandise, and most of them are increasing the number of lines handled. There is evident a decided advance in every class of American goods.

Exporters in the United States desirous of marketing their wares in the Far East should certainly keep an eye on Shanghai, as it affords indeed a promising market. Even at present there is a fine opportunity for a number of lines, and the field is widening every hour.

LARGE INCREASE IN SHIPMENTS FROM ALASKA.

Alaska's sales to the United States in the fiscal year 1916 aggregated \$18,966,000, which is double the annual average since 1912. The amounts for the fiscal years 1915 and 1914 were, respectively, \$27,629,000 and \$21,480,000. In addition to domestic merchandise, Alaska shipped to the United States in 1915-16 gold valued at \$16,000,000 and silver to the value of \$760,000, both from its own mines.

The predominant feature of the year's trade, according to an analysis made by the Bureau of Foreign and Domestic Commerce, was the rise of copper to first place among Alaska's export staples, thereby supplanting salmon and gold as the leading items. Receipts of copper in ore, matte, and regulus from Alaska aggregated 117,000,000 pounds, valued at \$26,500,000. This is four times the average for the preceding three years and exceeds the combined imports of that class from Chile, Cuba, Canada, and Mexico, the leading foreign sources of this form of copper.

BUENOS AIRES LUMBER PRICES.

PORTLAND—Pitch pine is bringing \$130 gold a thousand feet in Buenos Aires while we are trying to get \$15 and \$16 a thousand for it here. There really is not a very large market there because of the Brazilian lumber, but it is an example of the prices being

paid in South America now, according to O. M. Clark, president of the Portland Chamber of Commerce, who has returned from a tour of South America as a member of the trade commission of Americans who went out to see how trade with their cousins in the Southern Hemisphere could be improved.

INCREASED SALES OF LIME.

The lime sold in the United States in 1915, according to G. F. Loughlin, of the United States Geological Survey, amounted to 3,589,679 short tons, valued at \$14,336,756, an increase of 6.2 per cent in quantity and 8 per cent in value over the figures for 1914. The average price per ton, \$3.99, was 7 cents more than than of 1914. The value of lime sold for chemical works, sugar factories, fertilizer, steel works, and miscellaneous purposes increased and more than offset decreases in the value of lime sold for building, paper mills, and tanneries. The number of plants in operation decreased from 954 in 1914 to 965 in 1915, and the number of kilns in active operation from 2,466 to 2,331.

Sales of hydrated lime continued to increase in 1915, amounting to 581,114 tons, valued at \$2,157,602, an increase of 12.8 per cent in quantity and 9.7 per cent in value over the sales in 1914. The average price per ton in 1915, however, dropped 12 cents, to \$4.23.

HIRE DAM ENGINEER.

GRASS VALLEY, Cal.—G. D. Ray of this city, one of the engineers who was employed by the Southern Pacific Company in the big construction work between Colfax and Auburn a few years ago, has been employed by the Pacific Gas and Electric Company to take charge of the big project at Lake Spaulding.

The big dam, which now has a capacity of 43,500-acre feet, is to be raised twenty-five feet, giving it a total height of 250 feet and making it one of the largest concrete dams in the United States.

MUNICIPAL GARAGES FOR LOS ANGELES.

LOS ANGELES.—Municipal garages, for the temporary use of motorists and business men who have occasion to leave their cars for an hour or more at a time in the business district, are recommended by Chief of Police S. E. Sively in his annual report as one of

the most effective solutions of the traffic problem.

As in every large city, since the automobile has become a popular institution, Los Angeles is confronted with an increasing congestion in downtown streets, marked by monthly lengthening of the accident and receiving hospital reports.

"One thousand automobiles," says the report, "taken off the streets at the present time would solve the traffic problem."

SIAMSE APPROPRIATE \$555,000 FOR IRRIGATION.

HONGKONG—The Siamese government has appropriated \$555,000 for the preliminary expenses in connection with the Praskak irrigation project, which will ultimately cost \$1,250,000. This scheme provides for a great canal for Praskak and fuller development of the existing canal system of Klong Rangsit. The project is designed to reclaim much waste land in lower Siam for rice cultivation. Only the first unit of the scheme will be developed at present. It is estimated by the British experts, who have been employed to make a survey of the situation, that a total expenditure of \$50,000,000 within twenty-five years will make it possible to reclaim 2,400,000 acres of land in lower Siam.

A YEAR'S EXCAVATION FROM GAILLARD CUT.

In the fiscal year ended June 30, 1916, excavation from the Gaillard (Culebra) Cut totaled 11,660,351 cubic yards. Of this 10,280,271 cubic yards were removed from Culebra slides; and as between earth and rock, the quantities were 1,637,985 and 10,222,366 cubic yards, respectively. Excavation therefore averaged, says the Panama Canal Record, 971,696 cubic yards per month or 31,922 per day.

NEED OVER A MILLION FOR ROADS.

MODESTO—The Stanislaus Board of Supervisors and the County Highway Advisory Board have agreed on a system of permanent improvement of roads throughout the county under a bond issue not to exceed \$1,500,000 and at the next meeting County Engineer E. H. Annear will present his estimate of costs on the system as a basis for the call for an election.

Cut this out and mail to-day

Subscription Rates

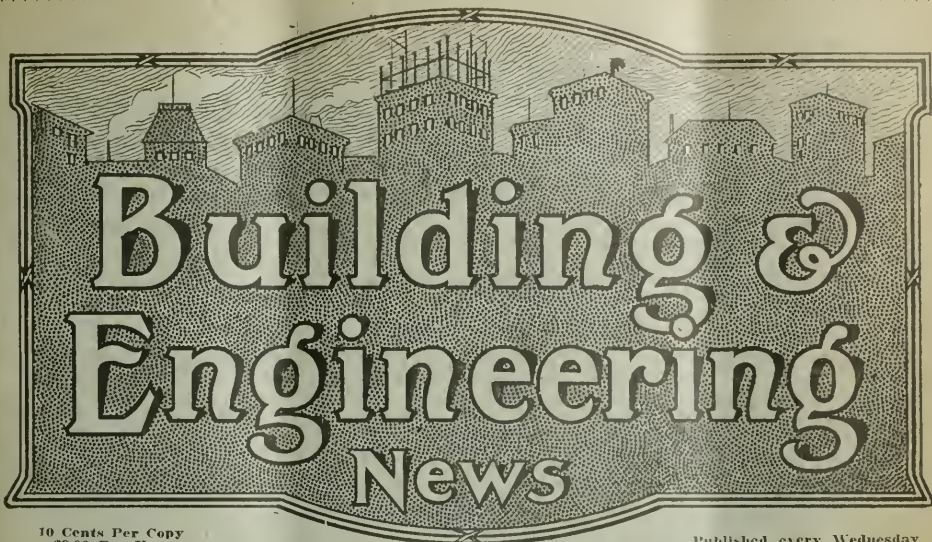
Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News
 560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and
 will pay you as per X mark below when you send your bill.

Signed _____
 Street and No. _____
 City _____
 State _____



Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 33

Publication Office,
560 Mission St.

San Francisco, Cal., August 16, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, CRACK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Broadway Ave. Los Angeles, Cal.

For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"

**Automatic
Gas Water Heater**

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 5941

THE
**Safe Deposit Vaults
of the
BANK OF ITALY**

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Cough and Octavia

SAN FRANCISCO, CAL.

Since "Konveno" combines utility and beauty it is fast becoming the most popular closet for small bathrooms.

Its top is so designed that it can be used as a convenient shelf upon which to stand the toilet articles that are constantly in use.

"Konveno" is made of vitreous china, white all the way through. The surface is highly glazed, will not tarnish or stain, crack or peel.

It is strongly made to give years of service, and like all the "Pacific" line guaranteed forever against any defects in workmanship or materials.



"Pacific"



Plumbing Fixtures

Showroom,
67 NEW MONTGOMERY ST.
SAN FRANCISCO

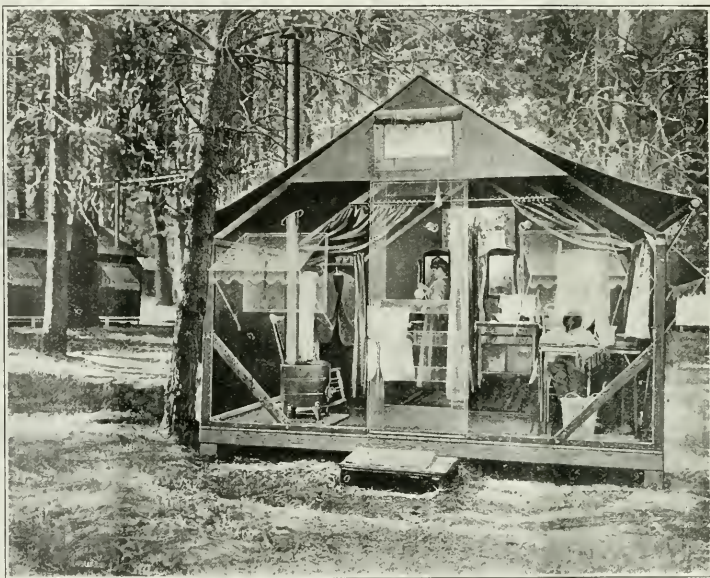
Factories,
RICHMOND,
CALIFORNIA

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. August 16, 1916

Sixteenth Year, No. 33



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,

Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	
Apartment Houses	1
Bonds	1
Bridges, Dams and Harbor Work	1-5
Churches	5
Editorial Comment	3
Factories and Warehouses	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	22-23
Garages	5
Government Work and Supplies	5-6
Hospitals	6
Irrigation and Reclamation Projects	6
Los Angeles and Southern California	25-26
Marin, Contra Costa and Sonoma Counties	22
Oakland and Alameda County	18-19-20-21
Portland and Oregon	26
Power Plants and Water Systems	6-7
Residences	6-7
Sacramento, Stockton and Northern California	23-24-25
San Francisco	12-13-14
San Jose and the Santa Clara Valley	15-16-17-18
Schools	21-22
Sealed Proposals	7
Seattle and Washington	10-11
Sewers and Street Work	7-8-9-10
Stores and Offices	10
Theatres	10

Attack On California's Financial Integrity.

Chairman Neylan Repudiates Statement
Published by Los Angeles Times
on State's Expenditures.

By John Francis Neylan, Chairman,
State Board of Control.

Incredible as it may seem not a single Chamber of Commerce or Board of Trade in California or Merchants Association has adopted a resolution or taken any formal action whatever to repudiate the grossest falsehood ever published concerning the State of California's financial integrity, although for two weeks the Los Angeles Times has been publishing to the world that California's State government costs \$176,000,000.00 a year. The sum of \$176,000,000 is approximately ten times the annual cost of all California's appropriations and fixed charges for support of the State government, State institutions, common schools, high schools and University.

This statement, false to the extent of \$158,000,000 on a real accounting basis, was republished to the vast detriment of California in the New York Times of July 13, 1916, and is allowed to go unrepudiated, because it is part of the scheme of politics. It has been said that California takes her politics seriously. If this kind of thing can go on, it can truly be said we carry our politics to the extreme of insanity.

The question up to the business community of California in particular, and the people of the State in general is, whether the State's financial credit is to be ruined through the malice of certain interests which desire to defeat Governor Johnson's candidacy for the United States Senate.

It can truly be said that all of the Industrial Workers of the World in California have not done one-half the damage to the State that has been done by the publication of such insane falsehoods.

California Securities are to be undermined, the bonds of the State and of every county, city, town, school district, irrigation district and water district in California are to have their value destroyed, apparently, without a protest from a single commercial organization in the Commonwealth. California, the most economically and efficiently managed State in the Nation, apparently, is to be slandered and calumniated without protest because the interests which once exploited her have been curbed and made law-abiding, simply because these interests control a few newspapers and are willing to go to any extreme to again get control of the Government.

By the simple process of adding on to the cost of the State government the

cost of government of the 239 incorporated cities of California and the cost of government of the 58 counties of the State for the fiscal year 1915, the Los Angeles Times gets a total of \$176,000,000 and publishes it to the world as "The Cost of California's State Government," also under the heading "Appalling Cost of the State's Experiment in Government."

The fact that the official statement of the State Board of Equalization, which is a public record, shows that the taxes levied for the support of the State Government totaled \$18,197,600.62 for the year 1916 has no effect upon those intent on destroying Johnson.

The reason why these facts have no effect is that these agencies are endeavoring to hide the fact that the percentage of increase in appropriations each two years under Johnson has been the smallest in the history of the State, and every cent of the increase under Johnson has been levied upon the corporations of California, and levied justly.

BOOKLET ISSUED ON ACOUSTICAL CORRECTIONS.

Urbana, Ill., July 17, 1916.

When the large Auditorium at the University of Illinois was built in 1908 it proved to be unsatisfactory in its acoustical properties. Audiences found it difficult to hear speakers owing to marked reverberation and echoes. Dr. P. R. Watson of the Physics Department and James M. White, Supervising Architect, undertook to correct this fault by conducting a systematic investigation involving a long series of experiments. "Bundles" of sound were projected in different directions and the paths of these were carefully traced. Various instruments, such as a ticking watch, a hissing arch lamp and megaphones were employed and curtains and draperies were hung at critical points suggested by the diagnosis.

Certain of the walls were then covered with hairfelt mounted on thin furring strips with the result that at present a speaker with a moderate voice may be heard distinctly by auditors in the most distant seats of the large building.

The investigations are described in detail in an illustrated booklet issued by the Engineering Experiment Station as bulletin No. 87. Copies may be had by addressing W. F. M. Goss, Director, Urbana, Illinois.

NEW FILM CORPORATION WITH \$7,500,000 CAPITAL.

NEW YORK—The organization of the Success Film Corporation, said to be capitalized at \$7,500,000, was announced here recently. The new company will build a large theatre here and in a number of Western cities.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

Contracts Awarded.

LOS ANGELES, CAL.—Apartment house, 4 story and base. Class C construction, \$100,000. Architect, L. T. Mayo, Black Bldg., L. A. Owner, Harold Nutter, I. W. Hellman Bldg., L. A. Contractor, L. T. Mayo, Black Bldg., L. A. Contract price, \$100,000.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction. Cost as follows. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, A. Rulfs. The following additional contracts have been awarded: Glass and glazing, Schwartz & Gottlieb, \$645; ornamental iron, Michel & Preffer, \$880; structural iron Schrader Iron Works, \$695; elevator work, Otis Elevator Co., \$1625; electric work, American Electric Engineering Co., \$925. The owner is still taking figures on the plastering.

BONDS

AUBURN PLACER CO., CAL.—The \$25,000 bond issue providing for the paving of terminals and intersections on Main street, from depot to depot, and Placer road, has been sold by the Trustees and bids for the paving work will be called shortly.

YUBA CITY, SUTTER CO., CAL.—The \$15,000 bond issue of the Brittan School District, Sutter County, has been sold and bids for the erection of the new school, provided for by the bonds, are now being taken.

SISANVILLE, LASSEN CO., CAL.—The Supervisors of Lassen County have called an election for September 7th for the purpose of determining whether or not the Honey Lake Valley Irrigation District shall be formed.

The proposed district comprises approximately 30,000 acres, all within a radius of ten miles of Ameside. The estimated cost is \$355,000 and it is proposed to utilize the waters of Eagle Lake, Willow Creek, Susan River and many smaller streams.

Attorney L. L. Dennett of Modesto is handling the proposition for the petitioners. P. M. Norboe, Assistant State Engineer, has filed a favorable report on the scheme.

TURLOCK, STANISLAUS CO., CAL.—Bonds of \$465,000 will be voted upon in the Waterford Irrigation District in the near future, according to a resolution passed by the Board of Directors of the Irrigation District. Attorney L. L. Dennett, counsel for the district, received notice from State Engineer W. F. McClure, sanctioning the project for a 14,000 acre district.

CHOWCHILLA, MADERA CO., CAL.—The Chowchilla High School District has been formed and preparations are now being made to call a bond election to vote \$30,000 for a new high school.

COALINGA, FRESNO CO., CAL.—The city hall, natatorium and fire protection bond issues have been defeated.

PORTERVILLE, TULARE CO., CAL.—The City Trustees have practically decided to call a bond election to vote \$50,000 for the erection of a new city hall and civic auditorium building. As yet, no date for the election has been set.

MERCED, MERCED CO., CAL.—The Supervisors have accepted the bids of the Merced Branch of the Bank of Italy for the purchase of the \$63,000 bond issue of the Los Banos School District. A new school will be erected from the proceeds of the sale.

BAKERSFIELD, KERN CO., CAL.—East Bakersfield will vote on August 21th to decide the question of issuing and selling bonds of \$175,000 with which to erect a municipal water plant. The present water supply system is deficient, and is owned by the Bakersfield Water Company.

PLACERVILLE, EL DORADO CO., CAL.—By a vote of 59 to 0 the property owners of the southwestern part of El Dorado County rejected the proposition to bond their land at \$10 an acre for the purpose of buying the Diamond Ridge Ditch Co.'s water system.

SAN BRUNO, SAN MATEO CO., CAL.—Bids are being received by H. A. Bewley, City Clerk, for the purchase of street paving bonds. The proceeds of the sale will cover the cost of paving Hensley, Green, Easton, Masson, Mills, Kains, Angus, Sylvan and San Mateo avenues in the city of San Bruno.

EVERGREEN, SANTA CLARA CO., CAL.—Bonds of \$20,000 have been voted by the Evergreen School District and bids for the purchase of same have been ordered received up to September 5th at 11 a. m. The proceeds of the sale will be used in the erection of a new school.

CLOVERDALE, SONOMA CO., CAL.—Petitions are being circulated asking that an election be called to vote bonds for a new grammar school.

MIDWAY, KERN CO., CAL.—The Midway School District will vote on the question of issuing bonds of \$20,000 for a new school on August 25th.

SAN DIEGO, SAN DIEGO CO., CAL.—The Ocean Beach Boosters' Club is circulating a petition for an election to vote a bond issue for constructing a sewerage system and septic tank for Ocean Beach. It is proposed to let contractors submit their own specifications with bids.

OCEAN BEACH, SAN DIEGO CO., CAL.—An election will be held at a near date to be set by the City Council, for voting bonds for the improvement of Ocean Beach. A pleasure pier with walk and comfort station, in all 800 feet long, will be constructed at the foot of Narragansett avenue. Two jetties are to be constructed, one commencing at Narragansett avenue and running slightly northwest a distance

of 800 feet, the other starting at the mouth of False Bay and curving to the west a distance of 2,200 feet. The construction of these jetties will afford protection to the pier and beach, reducing the littoral currents and stabilizing the sands.

ALHAMBRA, LOS ANGELES CO., CAL.—The special election held August 3rd for voting water bonds carried on all projects proposed. The items were: Purchase of water plant; annexation of sewer farm, and \$15,000 bonding of city as final payment by Alhambra on the tri-city sewer farm. The purchase of the San Gabriel Water Co.'s system will be made through a bond issue of \$325,000.

BRIDGES, DAMS AND HARBOR WORK

MARYSVILLE, YUBA CO., CAL.—Bridge, reinforced concrete, \$1,270. Engineer, County Surveyor, Marysville. Owners, Yuba County. Bids will be received by the Board of Supervisors of Yuba County until September 6th, 1916, for the construction of the reinforced concrete bridge to be erected over Dry Creek at Spencerville, connecting Yuba and Nevada Counties.

CHICO, BUTTE CO., CAL.—Bridge, reinforced concrete, \$4,000. Engineer, County Surveyor, Chico. Owners, Butte County, F. A. Phillips and Charles Self, successful bidders on the bridge to be erected over Little Chico Creek at Salem street, Chico, have withdrawn their bid of \$3,633.42 as they found they bid too low and would lose money on the contract. Other bidders were: E. Graessler, \$4,468; J. L. Mory Co., \$4,100; T. H. Polk, \$4,243. A call for new bids has been issued.

SOUTH BEND, WASH.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, South Bend. Owners, Pacific County. Bids will be opened on August 22nd for (1) construction of a 40-foot span Luten design reinforced concrete arch bridge over Fern Creek on the National Park highway near Globe, Wash. (2) Construction of a 75-foot span Luten design reinforced concrete arch bridge over Forks Creek on the National Park highway two miles west of Leham. (3) Clearing, grubbing, grading and draining of about 6,000 lineal feet of the North Cove Extension road in T. 15 N., R. 11 W., W. M. (4) Preparation of subgrade, draining and placing water-bound macadam surface on about 4,800 lineal feet of the Columbia North Bank highway through the town of Chinook, Wash.; also grading, draining and placing water-bound macer-bound macadam on about 1,000 lineal feet of the Chinook Depot road from its intersection with the Columbia road from its intersection with the Columbia North Bank highway to the Chinook depot.

SAN FRANCISCO—Bridge cables. Cost not stated. Engineer, City Engineer, City Hall, S. F. Owners, City

and County of San Francisco. Bids will be opened on August 23rd by the Board of Public Works for furnishing new cables for the Third street bridge.

SAN RAFAEL, MARIN CO., CAL.—Bridge extension, concrete. Cost not stated. Engineer, City Engineer, San Rafael. Owners, Marin County. Bids will be opened on August 28th for construction of a reinforced concrete extension of the C street bridge over Mahon Creek.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridges, 4, reinforced concrete. Cost not stated. Engineers, Mayberry & Johnson, Santa Barbara. Owners, Santa Barbara County. Plans for four more county bridges were ordered by the Board of Supervisors. The bridges are to be built: Two in Toro Canyon, Carpinteria; one in Cat Canyon, Siquoc, and in Las Canoas, or Rattle Snake Canyon, Santa Barbara.

SANTA ANA, ORANGE CO., CAL.—Bridge, reinforced concrete, \$24,459.75. Engineer, County Surveyor, Santa Ana. Owners, Orange County. H. Clay Kellogg, 122 Orange avenue, Santa Ana, was the lowest bidder at \$24,459.75 for the construction of a reinforced concrete bridge across the Santa Ana River on Chapman avenue, about two miles west of Orange. The bridge will be about 564 feet in length. The county will furnish the sand, rock, gravel and cement. Bids taken under advisement.

Contracts Awarded.

AUBURN, PLACER CO., CAL.—Bridge, timber and concrete, \$1,210. Engineer, County Surveyor, Auburn. Owners, Placer County. Contractor, H. C. Nolly, Auburn. Contract price, \$1,210.

FAIRFIELD, SOLANO CO., CAL.—Bridge, 3, reinforced concrete. Cost as follows. Engineer, County Surveyor, Fairfield. Owners, Solano County. Contractors, Baker & Martin, Sheldon Bldg., S. F. Contract prices, Weekworth bridge, \$770; Alamo bridge, \$1,977, and McCune bridge, \$1,577.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridges, 3, reinforced concrete, \$20,305. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Contractors, W. M. Ledbetter & Co., Pacific Electric Bldg., L. A. Contract price, \$20,305.

RED BLUFF, TEHAMA CO., CAL.—Bridge, steel, \$2,519. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Contractor, C. E. McCartney, 1500 Lincoln street, Red Bluff. Contract price, \$2,519.

CHURCHES

ASTORIA, ORE.—Church, 1 and 2 story and base, reinforced concrete, \$22,000. Architects, Whitthouse & Foxhous, Wilcox Bldg., Portland. Owners, Astoria Methodist Church. Will contain main auditorium. Sunday school rooms and pastor's study. All bids received August 2nd have been rejected and revised plans are being prepared.

FACTORIES AND WAREHOUSES

EMERYVILLE, ALAMEDA CO., CAL.—Bakery, 1 story, corrugated iron, \$2,000. Architect, none. Owners, People's Bread Co., 17th and Bryant streets, S. F. Location, Park and Watts streets.

Plans complete and work to be done by Day Labor.

CHICO, BUTTE CO., CAL.—Match factory, 1 story, frame, \$100,000. Architect, none. Owners, Diamond Match Co. Announcement has been made of the intention of this company to increase their present large plant by the construction of buildings and installation of new machinery.

LOS ANGELES, CAL.—Markets, 2, 2 story and base. Class C construction. Cost not stated. Architect, John Parnkinson, Security Bldg., L. A. Owners, Los Angeles Union Terminal Co. Location, 7th and Central avenue. Will cover areas of 80 by 1250 feet and 40 by 1500 feet. Two reinforced concrete warehouses are also included in this scheme. Each will be six stories and cover an area of 100 by 1250 feet. Plans are complete and figures being taken. Bids close September 19th.

Contracts Awarded

ARCATA, HUMBOLDT CO., CAL.—Church, 1 story and base, frame, \$7,708.75. Architect, Frank T. Georgeson, Georgeson Bldg., Eureka. Owners, Arcata Presbyterian Church. Contractor, Nelson Johansen, Arcata. Contract price, \$7,708.75.

FLATS

SAN FRANCISCO.—Flats, 2, 2 story and base, frame, \$5,000 each. Architect, none. Owner, Otto E. Anderson, 248 18th avenue, S. F. Location, east 11th north of Clement. Each will contain two flats of five and six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO.—Flats, 2 story and base, frame, \$10,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, John Little, 1371 5th avenue, S. F. Location, west Steiner south Green. Will contain four flats of five six and seven rooms, baths and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO.—Flats, 2 story and base, frame, \$7,000. Architect, none. Owner, Leheikene, 16th and Castro streets, S. F. Location, northwest Castro and State streets, covering an area of 25 by 64 feet. Will contain store on first floor and four flats on the upper floor. Plans complete and work to be done by Day Labor.

SAN FRANCISCO.—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, D. J. Clancy, 2884 Folsom street, S. F. Location, east 8th avenue south Lincoln Way. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

GARAGES

BERKELEY, ALAMEDA CO., CAL.—Garage addition, 1 story, brick, \$3,000. Architect, J. Henry Boehrer, Delger Bldg., Oakland. Owner, J. H. Wright. Location, Telegraph and Ashby avenue. Designed for a commercial garage. Plans complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded

SACRAMENTO, CAL.—Garage and sales rooms, 3 story and base, brick and steel, \$45,000. Architect, none. Owner, John Ochsner, Ochsner Bldg., Sacramento, leased to Willys-Overland

Co. Location, northeast corner 13th and K streets, covering an area of 80 by 160 feet. Contractor, William Murrell, Ochsner Bldg., Sacramento. Contract price, \$15,000.

GOVERNMENT WORK & SUPPLIES

Portland, Ore., Fuel Oil.

The following bids were received by the lighthouse inspector, Portland, Ore., for fuel oil for lighthouse tender Rose:

Standard Oil Co., Portland, Ore., \$920, accepted.

Union Oil Co. of California, Portland, Ore., \$960.

Ketchikan, Alaska, Gasaccumulator.

The following bids were received by the lighthouse inspector, Ketchikan, Alaska, for recharging gasaccumulators for fiscal year 1917:

The Prest-O-Lite Co., Inc., Seattle, Wash., gas, \$2 per 100 cu. ft. drayage, 25c A-25 and \$2 a. w., 200 tanks.

Portland, Ore., Repairs to Vessel.

The following bids were received by the lighthouse inspector, Portland, Ore., for docking, cleaning, and painting Swiftsure Bank light vessel No. 92:

Hall Bros. Marine Railway & Shipbuilding Co., Winslow, Wash., \$1,037.50; 7 days.

Seattle Construction & Dry Dock Co., Seattle, Wash., \$1,223.50; 12 days.

Camp Verd, Ariz., Building.

The following bids were received by the commissioner of Indian Affairs, Washington, D. C., for constructing school and quarters at the Camp Verd, Ariz., Indian School:

Horton Smith, Montazuma, Ia., \$18,994; 210 days.

W. D. Lovell, Minneapolis, Minn., \$18,300, omitting sewer system; 200 days.

White & Jett, Prescott, Ariz., \$40,834; time not stated.

Mare Island, Cal., Freight Elevator.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for installing an electric freight elevator in building No. 69 at the Mare Island navy yard:

Item 1, work complete; 2, according to bidder's plans and specifications.

Elwellyn Iron Works, Los Angeles, Cal., item 1, \$5,900.

Otis Elevator Co., Washington, D. C., item 1, \$4,500; 2, \$2,838; deduct \$134 conditionally.

Ellensburg, Wash., Post Office.

As previously reported, the contract for the construction of the U. S. post office at Ellensburg, Wash., was awarded to Thomas E. Young Co., Empire Building, Seattle, Wash., at \$53,915. In the construction of the building the following fixtures and material will be used: Plumbing fixtures, Crane Co.; cast iron column radiators, American Radiator Co.; radiator valves, Crane Co.; damper regulator, National Regulator Co.; air valves for radiators and hot water tank, Hoffman Steam Specialty Co.; air valves for end of steam mains, Jenkins Bros.; cabinet and tablet, Pnge-McKinnin & Co.; conduit, National Metal Molding Co.; rubber covered wire, Simplex Wire & Cable Co.; flush switches, Hart & Hegeman.

Marshfield, Ore., Buildings.

The bid of W. W. Ladd, of Marshfield, Ore., \$19,426.20 in amount, has been accepted for the construction of five wooden buildings at the naval radio station, Marshfield, Ore.

Portland, Ore., Rudder.

Bids were opened by the lighthouse inspector, Portland, Ore., for furnishing a new rudder for tender Heather, as follows:

Albina Engine & Machine Works, Portland, Ore., \$1,126; accepted.

Seattle Construction & Dry Dock Co., Seattle, Wash., \$1,140; 60 days.

Hall Bros. Marine Railway & Shipbuilding Co., Winslow, Wash., \$1,500.

Vancouver, Wash., Post Office.

The contract for the construction, complete, of the U. S. post office at Vancouver, Wash., has been awarded to the Campbell Building Co., Salt Lake City, Utah, at \$82,487; time 15 months.

PUGET SOUND, WASH.—Fortifications. \$6,000,000. Engineer, Bureau of Fortifications, Washington, D. C. Owners, United States Government. A report which comes from very reliable sources is to the effect that nearly \$6,000,000 will be spent in the near future on new fortifications in the Puget Sound. Fort Worden, Rocky Point, Point Partridge and Fort Townsend are mentioned as the positions to be strengthened. All work will be of reinforced concrete.

SAN FRANCISCO—Submerged pipe line. Cost not stated. Engineer, Bureau of Yards and Docks, Washington, D. C. Owners, United States Government. Pipe Line No. 3475.—Sealed proposals will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until August 26, 1916, for furnishing 4-inch, flexible-joint, submerged pipe line at the naval training station, San Francisco, Cal. Plans and specifications may be obtained on application to the Bureau of Yards and Docks or to the Commandant of the Navy Yard, Mare Island, Cal.

MARE ISLAND, CAL.— Floating crane, \$500,000. Engineer, Bureau of Yards and Docks, Washington, D. C. Owners, United States Government. The Bureau of Yards and Docks at Washington, D. C., has completed plans for the big floating crane to be constructed at the Navy Yard at Mare Island. Bids will be called for when the Naval Bill passes Congress. The crane will be similar in design to the one installed at the Norfolk Navy Yard at a cost of \$500,000.

HOSPITALS

SAN FRANCISCO—Hospital, 3 story and base, reinforced concrete, \$150,000. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owners, St. Joseph's Hospital. Location, Buena Vista near 14th. Will contain both wards and private rooms. Plans complete and figures being taken.

SAN JOSE, SANTA CLARA CO., CAL.—Hospital addition, 1 story, frame, \$7,000. Architect, William Binder, Rea Bldg., San Jose. Owners, Santa Clara County. Will contain new ward and operating room. Plans being prepared.

Contracts Awarded.

LOS ANGELES, CAL.—Hospital service building, 5 story and base. Class A

construction, \$51,745. Architect, J. Schulz, Wright and Callender Bldg., L. A. Owners, Los Angeles County. Contractors, Los Angeles Planning Mill Co., Industrial and Mill streets, L. A. Contract price, \$51,745. Plumbing, heating, electric work, elevators and vacuum cleaning to be let under separate contract.

IRRIGATION PROJECTS**Contracts Awarded.**

STOCKTON, SAN JOAQUIN CO., CAL.—Reclamation work, \$600,000. Engineer, Chief Engineer Reclamation District No. 999. Owners, Reclamation District No. 999. Contractors, California Delta Farms Co., Savings and Loan Bank Bldg., Stockton. Contract price, \$600,000.

POWER PLANTS AND WATER SYSTEMS.

SAN FRANCISCO—Mechanical and electric equipment and tunnel work. Cost not stated. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids were opened by the Board of Public Works for mechanical and electrical equipment and for drifting tunnels at the Hetch Hetchy project. A complete list of these bids will be found under the heading of San Francisco.

MADERA, MADERA CO., CAL.—Water pipe. Cost not stated. Engineer, County Surveyor, Madera. Owners, Madera County. Bids will be opened on August 23rd for furnishing 1,600 feet of 8-inch medium weight cast iron water main pipe for immediate delivery.

SEATTLE, WASH.—Pipe line. Cost not stated. Engineer, City Engineer, Seattle. Owners, City of Seattle. Bids will be opened on August 18th for construction of two pipe lines in 12th avenue north from East Denny Way to East Prospect street, and removing the existing pipe lines; one of the new lines is to be 36 inches in diameter and the other 42 inches in diameter.

HEALDSBURG, SONOMA CO., CAL.—Water pipe, \$3,000. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. Contractor, A. W. Garrett, Healdsburg. Contract price, \$3,000.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, A. T. Morris, 501 11th avenue, S. F. Location, west 10th avenue south Balboa. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$10,000. Architects, Cunningham & Polito, First National Bank Bldg., S. F. Owner, Philip Kohn. Location, west 10th avenue near Clement. Will contain ten rooms, two baths and basement garage. Plans complete and figures being taken.

SAN FRANCISCO—Residence, 3 story and base, frame, \$20,000. Architects, Reid Bros., California-Pacific Bldg., S. F. Owner, J. R. Hanly. Location, north Vallejo east Divisadero. Will contain fourteen rooms, several baths and separate garage. Plans complete and segregated figures being taken.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$5,000 each. Architect, none. Owner, C. J. Keenan, 20 Broderick street, S. F. Location, west Walnut north of Jackson. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, Mrs. E. Rose, 5801 Dover street, Oakland. Location, Manor Drive north Bowie. Will contain nine rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$12,000. Architect, Albert Caldwell, Clunie Bldg., S. F. Owner's name withheld. Will contain ten rooms, two baths and sleeping porch. Separate garage. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, M. L. Newsom, 1748 Broadway, Oakland. Owner, John F. Whalin. Location, Central avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$2,000. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owner, A. C. Lawson. Location, south Buena Vista avenue east La Loma. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, L. G. Pfaff, 4139 Emerald, Oakland. Location, east Park Boulevard north Hopkins. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, I. Ariel Kellogg, 3404 Champion street, Oakland. Location, east Laguna avenue north of Montana. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$2,500. Architect, Robert A. Hutchinson, 470 13th street, Oakland. Owner, Robert A. Hutchinson. Location, north Montana west of Curran. Each house will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, J. F. Chambers, Plaza Bldg., Oakland. Location, south Frisbie west Walsworth avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,800. Architect, M. I. Higgs, Syndicate Bldg., Oakland. Owners, Blake Bros., Syndicate Bldg., Oakland. Location, north Golden Gate avenue south Acacia. Will contain six rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Ralph P. Morell, Odd Fellows' Bldg., Stockton. Owner, A. R. Lyon. Location, north El

Dorado near Maple. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,100. Architect, none. Owner, W. P. Cippa, 314 21st, Sacramento. Location, 2630 Urban Court. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$5,250 each. Architect, none. Owner, W. W. Rednall, 2500 Filbert street, S. F. Location, north Filbert west of Baker. Each house will contain eight rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000. Architect, none. Owner, E. Ginley, 131 5th avenue, S. F. Location, southeast 20th avenue and California. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$2,000 each. Architects, E. P. Antonovich and H. E. Harris, Monadnock Bldg., S. F. Owners, Co-operative Home Builders, 1125 Fillmore street, S. F. Location, west Levant south Masonic. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owners, Leigh and Schultz, 419 21st avenue, S. F. Location, east 15th avenue north of Judah. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$2,300. Architect, none. Owner, Charles D. Hart, 615 22nd street, Oakland. Location, west Jean south Sunnyslope. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, A. Kellogg, 3404 Champion street, Oakland. Location, east Jean south of Santa Clara. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$4,850. Architect, A. W. Smith, 1010 Broadway, Oakland. Owner, G. Rossi, 492 Chetwood, Oakland. Location, northwest Euclid and Warwick. Will contain nine rooms, two baths and sleeping porches. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$2,800. Architect, W. I. Broderick, 1201 Colusa avenue, Berkeley. Owner, Joseph Tlechaty. Location, Piedmont Terrace by the Lake. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

COLUSA, COLUSA CO., CAL.—Residence, 2 story and base, frame, \$7,500. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owner, J. L. Langdon. Will contain eight rooms, two baths and sleeping porches. Plans complete and figures being taken.

OAK KNOLL, LOS ANGELES CO., CAL.—Residence, 2 story and base, frame, \$20,000. Architect, Myron Hunt,

Hibernian Bldg., L. A. Owner, Samuel P. Fertig. Will contain thirteen rooms, three baths, conservatory and sleeping porches. Separate garage. Plans being prepared.

Contracts Awarded

PASADENA, LOS ANGELES CO., CAL.—Residence, 2 story and base, hollow tile, \$30,000. Architects, Marston & Van Pelt, Chamber of Commerce Bldg., Pasadena. Owner, A. L. Garford. Location, Hillcrest avenue. Will contain sixteen rooms, five baths and sleeping porches. Separate garage. Contract awarded to W. A. Taylor, 956 Elizabeth street, Pasadena. Contract price, \$30,000.

PORTLAND, ORE.—Residence, 3 story and base, frame and brick. Cost not stated. Architects, Lawrence & Holford, Chamber of Commerce Bldg., Portland. Owner, Mr. and Mrs. Sherman Hall. Contractor, C. H. Pape. Contract price not stated.

SCHOOLS

SEATTLE, WASH.—School, 2 story and base, brick and concrete, \$70,000. Architect, Edgar Blair, 1426 Jackson street, Seattle. Owners, City of Seattle. Syllaesen & Sande, Downs Bldg., Seattle, were low on the general contract for the addition to the Madrona School at \$53,519; D. H. King low on heating at \$10,835, and Whipple & Co. low on plumbing at \$7,140.

SAN FRANCISCO—School, 1 story and base, frame, \$45,000. Architect, Arthur G. Scholz, Phelan Bldg., S. F. Owners, City and County of San Francisco. Location, Parkside District. Will contain eight class rooms and an auditorium. Plans being prepared.

PLACERVILLE, EL DORADO CO., CAL.—Schools, 2, 1 story, hollow tile, \$27,000 and \$3,000. Architects, N. W. Sexton & Co., Merchants' National Bank Bldg., S. F. Owners, Town of Placerville. Plans complete and figures being taken.

LOWRY SCHOOL DISTRICT, TULAMA CO., CAL.—School, 1 story, frame. Cost not stated. Architect, none. Owners, Lowry School District. Will contain two class rooms. Plans complete and figures to be opened on August 23rd. Plans on file at County Superintendent of Schools, Red Bluff.

VISALIA, TULARE CO., CAL.—School, 1 story and base, brick. Cost not stated. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, City of Visalia. All bids received for this building were in excess of the amount available and were taken under advisement. D. B. Day, Woodlake, presented the lowest figures at \$14,057.

SAN JOSE, SANTA CLARA CO., CAL.—School additions, 2, 1 story, frame and concrete. Cost not stated. Architect, William Binder, Rea Bldg., San Jose. Owners, City of San Jose. Plans complete and figures being taken. Bids close on August 28th. Plans from architect.

SAN MATEO, SAN MATEO CO., CAL.—School, 1 and 2 story and base, reinforced concrete, \$40,000. Architect, Will H. Toejke, 46 Kearny street, S. F. Owners, City of San Mateo. Preliminary plans for a manual training department to be erected at the San Mateo High School have been prepared. Construction depends on the people of the district voting bonds.

V. PORVILLE, SAN BERNARDINO CO., CAL.—School, 1 story and base, reinforced concrete, \$23,758. Architects, Lester H. Hibbard and H. B. Cody, Marsh-Strong Bldg., L. A. Owners, Victorville Union High School District. P. O. Engstrom Co., 5th and Seaton streets, L. A., presented the lowest figures for this work and will be awarded the contract.

Contracts Awarded

BERKELEY, ALAMEDA CO., CAL.—College building, 4 story and base, Class A construction. Cost as follows. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. The following contracts have been awarded in connection with the construction of Hilgard Hall to be erected on the University Campus at Berkeley: Excavating and concrete work to Sound Construction and Engineering Co., Hearst Bldg., S. F., \$106,485. Exterior finish to Paul E. Denivelle, 524 Post street, S. F., \$27,900. Roofing and sheet metal to Forderer Corncise Works, 260 Potrero avenue, S. F., \$10,750. Interior furring, lathing and plastering to Knowles & Mathewson, Call-Post Bldg., S. F., \$25,669. Carpentry and cabinet work to S. Kulchar & Co., 6th avenue and East 10th street, Oakland, \$79,994. Marble and terrazzo work to Joseph Musto-Keenan Co., 565 North Point street, S. F., \$7,545. Plumbing to Scott Co., 243 Minna street, S. F., \$9,640. Heating and ventilating to Scott Co., 243 Minna street, S. F., \$46,660. Electric work to McEll Electric Co., 223 Minna street, S. F., for \$14,685. Acoustic felt to H. W. Johns-Manville Co., 2nd and Howard streets, S. F., both Hilgard Hall and Chemistry building, \$2,675. With the exception of the contract for the acoustic felt no contracts have been awarded on the Chemistry building.

WASCO, KEERN CO., CAL.—School, 1 story and base. Class C construction, \$14,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, City of Wasco. Contractors, Ward & Goodwin, 110 Jessie street, S. F. Contract price, \$44,000.

PORT ANGELES, WASH.—School, 1 story and base, brick, \$16,890. Architects, Stephen & Stephen, New York Bldg., Seattle. Owners, Chinacum School District. Contractor, W. T. Sehrs, Port Angeles. Contract price, \$16,890.

SEWERS, STREET WORK & WATER SYSTEMS

SALINAS, MONTEREY CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Salinas. Owners, City of Salinas. Bids will be opened on August 21st for the improvement of Riker street from Alisal street to its termination at the south line of the Jorgensen property, by grading and constructing a waste rock surface, together with concrete curbs and gutters along both sides of the roadway.

FAIRFIELD, SOLANO CO., CAL.—Highway improvements. Cost not stated. Engineer, County Surveyor, Fairfield. Owners, Solano County. The County Clerk was directed to advertise for bids for traveling a part of Road 179, District 4, the specifications having been adopted. The bids will be opened on September 5th at 11 o'clock.

VENTURA, VENTURA CO., CAL.—Highway improvement, \$31,026.40. Engineer, County Surveyor, Ventura. Owners, Ventura County. Andrew Holloway, Pasadena, was the lowest bidder at \$31,026.40 for grading and paving approximately 8.77 miles of 16-foot roadway with 4-inch concrete on Division 7, Santa Clara River to Somis road. Bids were taken under advisement.

HERMOSA BEACH, LOS ANGELES CO., CAL.—Disposal plant. Cost not stated. Engineer, C. R. Summer, Hermosa Beach. Owners, City of Hermosa Beach. Bids will be advertised for about October 15th for the construction of a sewage disposal plant. This improvement will consist of two 100-gallon compressed air sewage ejectors and compressors and electric motors, which will be required to raise 200 gallons of raw sewage per minute against a static head of 43 feet and through an 8-inch cast iron force main 1,800 feet long to the treatment plant.

SACRAMENTO, CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Owing to the absence of any bids on the work, Supervisor J. A. Russi was instructed to proceed with the improvement of a stretch of county road leading to Folsom Prison. The work has been advertised, but no bids were submitted.

TRACY, SAN JOAQUIN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Tracy. Owners, City of Tracy. Plans and specifications for the grading and graveling of 9th and 10th streets, also portions of 7th, 8th, A, B, C, D, E, and F streets were adopted and bids for doing the work have been asked for and will be opened August 17th at 8:30 p. m.

PLACERVILLE, EL DORADO CO., CAL.—Furnishing cement. Cost not stated. Engineer, City Engineer, Placerville. Owners, City of Placerville. Bids will be received on August 19th at 9 p. m. for furnishing cement to be used during the construction of street improvements.

PLACERVILLE, EL DORADO CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Placerville. Bids will be opened on August 19th for paving the main street from west to the east city limits. All bids are to be compared on the basis of the engineer's estimate of the quantity of work to be done as follows: (1) 5,280 cubic yards of grading (excavation and filling); (2) 2,533 cubic yards of concrete (foundation); (3) 6,20 cubic yards of concrete (parapet, walls, culverts); (4) 182,400 square feet of sheet asphalt wearing surface; (5) 182,400 square feet of asphalt macadam wearing surface; (6) 182,400 square feet of bituminous mastic wearing surface; (7) 182,400 square feet of Topeka sheet asphalt wearing surface; (8) 157,328 square feet of roadmote and screening wearing surface; (9) 157,328 square feet of bitucurete wearing surface; (10) 157,328 square feet of asphaltic oil and screening wearing surface; (11) 1,820 square feet of basalt block pavement.

PLACERVILLE, EL DORADO CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Placerville. Owners, City of Placerville. Bids will be opened on August 19th for constructing concrete curbs,

gutters and round corners, constructing manholes and gutter drains and constructing drainage sewers and concrete culverts. All bids are to be compared on the basis of the engineer's estimate of the quantity of work to be done as follows: (1) 110 linear feet of concrete gutter alone; (2) 120 linear feet of concrete gutter alone; (3) 150 linear feet of curb and gutter combined; (4) 90 linear feet of curb reconstructed; (5) 130 linear feet of curb and gutter reconstructed; (6) 1,095 linear feet of gutter reconstructed; (7) 50 linear feet of 6-inch sewer pipe constructed in place; (8) 25 linear feet of 8-inch sewer pipe constructed in place; (9) 175 linear feet of 10-inch sewer pipe constructed in place; (10) 3 concrete manholes completed; (11) 163 linear feet of concrete culvert for approaches at street intersections and buildings; (12) 10 cast iron gutter drains constructed in place; (13) 385 cubic feet of reinforced concrete; (14) 1,050 pounds reinforcing steel.

FRESNO, FRESNO CO., CAL.—Sanitary sewer. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be opened on September 5th for the construction of a complete new sanitary sewer system. Plans on file at office of City Engineer.

FRESNO, FRESNO CO., CAL.—Lighting system, \$9,100. Engineer, City Engineer, Fresno. Owners, City of Fresno. All bids received for furnishing and installing ornamental light standards and a conduit system in Courthouse Park have been rejected. The lowest bid was for \$13,967, while the estimated cost was \$9,100. What action is to be taken is not stated.

FOWLER, FRESNO CO., CAL.—Street paving. Cost not stated. Engineer, Jensen, Fresno. Owners, City of Fowler. The City Council at its last meeting adopted plans and specifications for the paving of 8th street, which is the missing link in the state highway. Two resolutions were passed leading up to the advertising for bids. In order to hurry things along the board will meet shortly to dispose of some matters regarding the highway and the call for bids will probably be made at that time.

OROVILLE, BUTTE CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor M. C. Polk, Oroville. Owners, Butte County. The bid of J. L. Mery for the construction of a road into the rice district has been rejected by the Board of Supervisors. Mery's bid for this work was \$7,700. He informed the County Surveyor that the work could be done for about \$1,000 less than his bid and the action of the Supervisors followed. New bids will be called for and will be opened on August 28th.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on August 22nd for street improvements authorized under the following resolutions: That the alley next west of Sherman avenue from V street to Upper Stockton road, and the alley south of Mier & Sowell's High School Tract from Sherman avenue to 34th street be improved by excavating a trench and constructing therein an 8 and 10-inch, vitrified, ironstone pipe sewer; constructing five concrete man-

holes and placing two flusher branches; placing 6-inch, vitrified, ironstone Y branches and 10 and 8-inch, vitrified, ironstone pipe sewer; backfilling all trenches.

That the alley between L and M streets from 4th to 5th street be improved by constructing 492 linear feet of concrete curb wall; constructing one concrete catch basin; reconstructing one concrete manhole; placing six linear feet of 8-inch, vitrified, ironstone sewer pipe drain; grading the alley and constructing thereon an asphaltic pavement, consisting of an asphaltic macadam foundation 3 inches thick, and a sheet asphalt wearing surface 1½ inches thick.

That 37th street from Park avenue to 7th avenue be improved by excavating a trench and constructing 8, 10 and 24-inch, vitrified, ironstone pipe sewer, backfilling all trenches, and construct four concrete manholes complete with cast iron curbs and covers.

That Brough avenue from J street to a point 566 feet north therefrom be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with twenty 6-inch, vitrified, ironstone Y branches; one concrete manhole complete; placing one 6-inch flusher branch complete, and backfilling the trench.

That 41st street from F street to the alley between G and H streets be improved by excavating a trench and constructing therein 8 and 10-inch, vitrified, ironstone pipe sewer, backfilling the trenches and constructing two concrete manholes complete with cast iron curbs and covers.

STOCKTON, SAN JOAQUIN CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. Bids will be opened on August 22nd for street improvements authorized under the following resolutions: That Scotts avenue from Lincoln street to Monroe street; Van Buren street from Taylor street to Hazelton avenue; Monroe street from Taylor street to Hazelton avenue, be improved by grading, curbing and guttering with combined concrete curb and gutter: curb 6 inches wide and 13 inches deep, and the gutter 24 inches wide and 6 inches thick. Paving the roadway of each street with asphalt concrete 4 inches thick after rolling on a base of gravel of a cementing nature 2 inches thick after rolling. The asphalt concrete shall consist of two layers, a base layer of 2½ inches thick after rolling and a wearing surface 1½ inches thick after rolling. The 2½-inch lay shall be composed of asphaltic cement, sand, gravel or crushed rock and screenings proportioned in such quantities as will give a compact and homogeneous concrete. The 1½-inch layer shall be composed of asphaltic cement, sand, gravel or crushed rock and stone dust mixed according to the Topeka Specifications.

SAN RAFAEL, MARIN CO., CAL.—Street paving. Cost as follows. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. The City Council has agreed to have two blocks of Western Roadside asphalt pavement placed on G street between West End Station and 5th avenue, as an experiment. The following bids were received for doing the work: Western Motor Paving Co., 1444 Church street, S. P., 2.1c a foot; A. H. Kopperud, 2630

High street, Oakland, 2c a foot. Bids were referred to the City Manager.

SAN RAFAEL, MARIN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Bids will be opened on August 28th for street paving authorized under the following resolution: That a concrete sidewalk 5 feet wide be laid along the following named streets, to wit: On the west side of Grant avenue between 1th and Watt avenue; north side of 1st between Shaver and Hayes streets; west side of Shaver avenue between 1st and Minne streets; south side of Bay View street between C and D streets; north side of Frances street between D and E streets; east side of E street between 1st and 2nd streets; east side of Grand avenue between Highland and Acacia avenue.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on August 22nd for street improvements authorized under the following resolutions: That the west half of Franklin street from Delaware street distant 100.15 feet south be regraded; a redwood curb be constructed; concrete gutter 3 feet wide and the remainder of the roadway be macadamized.

That a 6-inch, vitrified, ironstone pipe sewer be constructed along Walnut street from Eunice street northerly, also abrick manhole four feet in diameter and 4-inch, vitrified ironstone pipe Y branches.

That a cement sidewalk 6 feet wide be constructed in the east sidewalk area of San Pablo avenue from University avenue to Delaware street, north sidewalk area of University avenue from San Pablo avenue to Curtis street, and the north sidewalk area of University avenue from West street to Action street, except where already done.

SALINAS, MONTEREY CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Salinas. Owners, City of Salinas. Bids will be opened on August 21st for grading the roadway and constructing thereon a hydraulic cement concrete base with a two-course asphaltic and screening surface with concrete curbs.

Contracts Awarded.

STOCKTON, SAN JOAQUIN CO., CAL.—Street paving, \$31,949.81. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors, Federal Construction Co., Sharon Bldg., S. E. Contract price, \$31,949.81. Engineer's estimate \$39,319.80.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been let under the following resolutions: That Sacramento avenue from the south line of Y street to the north line of Magnolia avenue be improved by constructing concrete curb, concrete gutter, placing 6-foot cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; two concrete manholes and 6 and 8-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb, constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a

hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface. Awarded to Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That Y street from the east line of 30th street to the east line of 31st street be improved by constructing concrete curb, concrete gutter, placing two cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; 6-inch, vitrified, ironstone sewer pipe drains; grading the space between the property lines and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That 12th street from the north line of R street to the north line of W street be improved by reconstructing three concrete manholes and four concrete catch basins, grading the roadway, and constructing thereon an asphaltic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

SOUTH SAN FRANCISCO—Street improvements, \$49,597.55. Engineer City Engineer, South San Francisco. Owners, South San Francisco. Contractors, City Street Improvement Co., 166 Geary street, S. F. Contract price, \$49,597.55.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. M. P. Canbar, 1041 91st avenue, Oakland, has been awarded a contract for the following street improvement: The construction of a sewer having an internal diameter of 8 inches along the center line of 9th street from Fallon street to a point distant 237 feet westerly therefrom, along said center line of 9th street; also a brick manhole, a lamphole and Y branches. Said sewer, Y branches and lampholes (excepting the top thereof) shall be constructed of vitrified sewer pipe.

VISALIA, TULARE CO., CAL.—Street improvement. Cost as follows. Engineer, City Engineer, Visalia. The Federal Construction Co., Sharon Bldg., S. F., has been awarded a contract at 12c per square foot for paving South Garden street.

SAN JOSE, SANTA CLARA CO., CAL.—Sewer construction, \$6,633. Engineer, City Engineer, San Jose. Owners, City of San Jose. Contractor, W. F. Edwards, San Jose. Contract price, \$6,633.

HANFORD, KINGS CO., CAL.—Highway construction, \$100,000. Engineer, County Surveyor, Hanford. Owners, Kings County. Contractors, Thompson Bros., Fresno. Contract covers the construction of 17½ miles of county highway. Contract price, \$58,875.18, the county to furnish all materials.

WOODLAND, YOLO CO., CAL.—Road construction. Cost as follows. Engineer, County Surveyor, Woodland. Owners, Yolo County. Contractors, Clarke & Henery, Ochsner Bldg., Sac-

ramento. Contract price 12½c per square foot.

SALINAS, MONTEREY CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Salinas. Owners, City of Salinas. Contractor, W. A. Dontanville, Salinas. Contract price not stated.

BAKERSFIELD, KERN CO., CAL.—Highway improvements. Cost as follows. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids were opened by the Board of Supervisors for the paving of two pieces of roadway, one a two-mile stretch on the Bellevue road and the other on the Bakersfield-Glenville road. The contract for the paving of a section of Bellevue road was awarded to Castro & Blaisdell, Bakersfield, for the sum of 6.8c per foot for asphaltic wearing surface. The contract for the construction of Glenville road was awarded to Benson & Sons, Kingsburg on a bid of \$10,233.98.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contracts for street improvements have been awarded under the following resolutions: That portions of the north half of the roadway of Durant avenue be graded; concrete curbs and gutters be constructed along the curb lines adjacent to said portions of the roadway; and the remainder of said portions of the roadway be paved with asphaltic wearing surface 2 inches thick laid on concrete base 5 inches thick. Awarded to the Oakland Paving Co., 50900 Broadway, Oakland.

That the south half of concrete culvert 6x6 feet inside dimensions and 125 feet long be constructed in Codornices Creek across Ordway street, and that earth fill be made in said street south of the north boundary line of the city of Berkeley. Awarded to Michael Heafey, 2320 McKinley avenue, Berkeley.

LOS ANGELES, CAL.—Street improvements, \$37,967.22. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Contractors, Fairchild-Gilmore-Wilton Co., 607 South Main street, L. A. Contract price, \$37,967.22. The same contractors have also been awarded another contract for \$10,077.55.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That the alley between B street and C street from 12th street to 13th street be improved by constructing one concrete catch basin complete, 560 linear feet of concrete curb wall, 8 linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catch basin to sewer, grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to McGilivray Construction Co., 717 Capitol Bank Bldg., Sacramento.

That the alley between E street and F street from 12th street to 13th street be improved by constructing two concrete catch basins complete, placing 12 linear feet of 8-inch, vitrified, ironstone sewer pipe drains connecting catch basins to sewer; grading the

JOHN FRANCIS NEYLAN, Chairman
PAUL HERRIOTT
FREEMAN H. BLOODGOOD
Members of Board of Control.
P. J. TEHANEY, Secretary.
Dated, August 15, 1916. *)

DEPARTMENT OF ENGINEERING.
CALIFORNIA HIGHWAY COMMISSION
NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on August 21, 1916, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portion of State highway as follows:

Santa Barbara County, across the Santa Ynez River (V-S, E-2-D), a bridge comprising five through steel spans, each 162 feet long, with timber trestle and earth fill approaches.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers offices are located at Williams, Dumair, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer,
B. WILSON, R. ELIAS, Secretary. (*)
Dated: July 21, 1916.

THE PROPOSED FIFTEEN MILLION
DOLLAR HIGHWAY BOND ISSUE.

By Chalmers Munday.

The Fifth issue of the California Highway Bulletin, published in July last, prints a comprehensive map of the State, in which the Highways that have been constructed and are being constructed, and the routes that have been surveyed are well delineated. It shows the great trunk lines of road that now connect the vast distances of the north and south, the laterals that are proposed, the bridges constructed, and the grades that have been eliminated and distances in miles that have been shortened.

Two hundred thousand automobile owners in the State of California alone appreciate this great work, not to mention the producer in every field of the State's most wonderful and varied resources. For good roads are the first and most important consideration in all material progress. And money judiciously spent in the construction and upkeep of public highways does more good to the people of the State than in any other branch of improvement.

Statistics are not ordinarily interesting, but they sometimes relate facts in a more concise manner than any language can tell. Here are some figures printed from the books of the Highway Commission:

Miles of road surveyed..... 2,280
Miles way secured..... 1,705

Acres of right of way secured.....	13,327
Miles of Highway Constructed:	
Oilfed macadam	129
Concrete pavement	932
Asphalt	33
Graded	395

Total1490
Miles of roads paved by counties and taken over, improved, and maintained by the State.....108
In addition to the foregoing the following facts of construction are set forth:

11,750,000 cubic yards of earth and rock moved at an average cost of 38 cents.

8,750,000 square yards concrete pavement laid at average cost of 74 1/2 cents.
1,000,000 cubic yards concrete pavement laid at average cost of \$6.64.

142 grade crossings eliminated.
200 miles saved on the trunk lines.

442 bridges secured from counties of aggregate value of \$3,150,000.

Altogether the books of the Highway Commission show a balance of about \$1,900,000 on hand, all of which will be needed to complete the roads now in course of construction. Of the money spent 87 1/2 cents of every dollar went into the roads in materials bought and contracts let under keen competition. This is a good record and has placed California at the head of all the States in the good roads movement. And the present administration has something to be proud of in the manner in which this fund has been used in efficient construction work.

The proposed 15 million bond issue is to provide funds for completing these great trunk lines of highway that connect the vast interests and widely separated districts of the State. Distances have been marvelously shortened. Mountain barriers have been cleared away. Every body has a common right in every mile of the roadway. There is yet much to be done. Already the Highway engineers have mapped out the work to be done with the funds that may be provided and detailed estimates of costs have already been figured. With the precedent that has been set in the expenditure of the 18 millions and the experience that has been gained in road construction it is impossible for the Commission to go far wrong in the expenditure of the money under the proposed issue. Everybody's roads are everybody's business and every voter should read the report of the Highway Commission, and if he is satisfied with the result he should see that the 15 million dollar bond issue is provided at the coming election.

General Contractors Association
Endorse San Francisco And
Oakland Bridge.

At the meeting of the stockholders of the General Contractors Association held on Tuesday evening, August 10th, the following resolution supporting the construction of the San Francisco-Oakland Bridge, was unanimously adopted:

WHEREAS, the growth and development of San Francisco has been retarded by a lack of rapid transportation facilities across the Bay of San

Francisco to the City of Oakland and neighboring cities, and the commercial needs of the community are such as to absolutely require the construction of a suitable bridge across said Bay, and
WHEREAS, the existing ferry system now operating at right angles to the shipping routes are obsolete and a bridge can be made to pay for itself,

THEREFORE, BE IT RESOLVED, that this Association favors the construction of a suitable bridge across the Bay of San Francisco capable of uniting the Cities of San Francisco and Oakland with a means of rapid transit for passenger trains, street cars, automobiles, wagons, foot passengers and all army supplies.

FURTHER RESOLVED, that a copy of this resolution be forwarded to the War Department of the United States at Washington, D. C., and to such civic officials and organizations as might be interested.

The Association proposes to be represented by a large delegation at the public hearing before officials of the War Department which is to be held on Tuesday morning, August 15th, at 10 o'clock, A. M. Messrs. Chas. W. Gompertz, C. M. Moore and Frank P. Lansing were appointed by the President as a special committee to secure the co-operation of the membership in attending this public hearing.

LINDGREN & CO. SECURE
BIG S. P. CONTRACT.

Well Known Firm Wins Out In Competition With Eastern Contractors For Railroad Building.

An official announcement was made yesterday in the offices of the Southern Pacific Company to the effect that a contract covering the entire construction of the Southern Pacific Building has been awarded to Lindgren & Co., Monadnock Bldg. While no information as to the amount of the contract was given it is generally understood that the cost of the work will exceed \$1,500,000.

Lindgren & Co. is one of the oldest and best known construction firms in San Francisco and has been in charge of some of the largest and best known buildings erected in the city. Competition for the Southern Pacific contract was keen and included, not only all of the large local builders, but at least one Eastern firm. The report that a local firm had secured the big job was received with much satisfaction in building circles.

The Southern Pacific Building was designed by Architects Bliss & Faville and will be a ten-story and basement Class "A" structure occupying the entire Market street frontage between Steuart and Spear streets, 275 feet and extending back a distance of 209 feet. With the exception of a ticket office, mailing room and information bureau, the main floor will be rented to stores. Some sixty-six offices on the second floor will also be rented, the balance of the building being occupied by the owners. When completed the building will be the largest structure west of Chicago.

Construction will be started as soon as possible and will be finished in the fall of 1917.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

SUBMERGED PIPE LINE—Cost not stated. San Francisco. Engineer, Bureau of Yards and Docks, Washington, D. C. Owners, United States Government. Pipe Line No. 3475—Sealed proposals will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until August 26, 1916, for furnishing 4-inch, flexible-joint, submerged pipe line at the naval training station, San Francisco, Cal. Plans and specifications may be obtained on application to the Bureau of Yards and Docks or to the Commandant of the Navy Yard, Mare Island, Cal.

MECHANICAL AND ELECTRICAL EQUIPMENT AND TUNNEL WORK—Cost not stated. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids were opened by the Board of Public Works for mechanical and electrical equipment and for drifting tunnels at the Hetch Hetchy project. A complete list of these bids will be found under the heading of San Francisco.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect none. Owner, A. T. Morris, 501 11th avenue, S. F. Location, west 10th avenue south Balboa. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$10,000. San Francisco. Architects, Cunningham & Pollio, First National Bank Bldg., S. F. Owner, Philip Kohn. Location, west 10th avenue near Clement. Will contain ten rooms two baths and basement garage. Plans complete and figures being taken.

RESIDENCE—3 story and base, frame, \$20,000. San Francisco. Architects, Reid Bros., California-Pacific Bldg., S. F. Owner, J. R. Hanify. Location, north Vallejo east Divisadero. Will contain fourteen rooms, several baths and separate garage. Plans complete and segregated figures being taken.

RESIDENCES—3, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, C. J. Keenan, 20 Broderick street, S. F. Location, west Walnut north of Jackson. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

BRIDGE CABLES—Cost not stated. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened on August 23rd by the Board of Public Works for furnishing new cables for the Third street bridge.

RESIDENCES—2, 2 story and base, frame, \$5,250 each. San Francisco. Architect, none. Owner, W. W. Rednall, 2500 Filbert street, S. F. Location, north Filbert west of Baker. Each house will contain eight rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, E. Glinley, 131 5th avenue, S. F. Location, southeast 20th avenue and California. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 2 story and base, frame, \$2,000 each. San Francisco. Architects, E. P. Antonovich and H. E. Harris, Monadnock Bldg., S. F. Owners, Co-operative Home Builders, 1125 Fillmore street, S. F. Location, west Levant south Masonic. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owners, Leigh & Schultz, 419 21st avenue, S. F. Location, east 15th avenue north of Judah. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—4 story and base. Class C construction. Cost as follows. San Francisco. Architects, Falch & Knoll, Heast Bldg., S. F. Owner, A. Rulfs. The following additional contracts have been awarded: Glass and glazing, Schwartz & Gottlieb, \$645; ornamental iron, Michel & Pfeffer, \$850; structural iron, Schrader Iron Works, \$695; elevator work, Otis Elevator Co., \$1625; electric work, American Electric Engineering Co., \$925. The owner is still taking figures on the plastering.

FLATS—2, 2 story and base, frame, \$5,000 each. San Francisco. Architect, none. Owner, Otto E. Anderson, 248 18th avenue, S. F. Location, east 17th north of Clement. Each will contain two flats of five and six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$10,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, John Little, 1371 5th avenue, S. F. Location, west Steiner south Green. Will contain four flats of five, six and seven rooms, baths and basement garage. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$7,000. San Francisco. Architect, none. Owner, Lehtikainen, 16th and Castro streets, S. F. Location, northwest Castro and State streets, covering an area of 25 by 64 feet. Will contain store on the first floor and four flats on the upper floor. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, D. J. Clancy, 2884 Fulton street, S. F. Location, east 8th avenue south Lincoln Way. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

HOSPITAL—3 story and base, reinforced concrete, \$150,000. San Francisco. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owners, St. Joseph's Hospital. Location Buena Vista near 14th. Will contain both wards and private

rooms. Plans complete and figures being taken.

SCHOOL—1 and 2 story and base, frame, \$45,000. San Francisco. Architect, Arthur G. Scholz, Phelan Bldg., S. F. Owners, City and County of San Francisco. Location, Parkside District. Will contain eight class rooms and an auditorium. Plans being prepared.

OFFICES—2 story and base. Class A construction. Cost not stated. San Francisco. Architect, Frederick M. Meyers, Bankers' Investment Bldg., S. F. Owners, Union Iron Works. Location, 20th and Illinois. Will contain executive offices of the owners. Plans being prepared.

STORES—1 story and base, brick, \$21,400. San Francisco. Architect, none. Owner, C. H. Curtaz, 519 Hayes street, S. F. Location, southeast Golden Gate avenue and Leavenworth, covering an area of 82½ feet by 100 feet. Will contain four stores. Plans complete and work to be done by Day Labor.

STORES AND OFFICES—6 story and base, reinforced concrete, \$75,000. San Francisco. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, John A. Hooper. Location, west Battery north of Pine. Will contain store on the first floor and lofts above. Contract for excavating and pumping awarded to Selby Grading and Teaming Co. Balance of the work out for segregated figures.

Contracts Awarded

STORES AND OFFICES—10 story and base. Class A construction, \$1,750,000. San Francisco. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, Southern Pacific Co. Contractors, Lindgren Co., Monadnock Bldg., S. F. Contract price not stated. Contractors will take subfigures on all parts of the work.

City Bids Opened.

San Francisco Board of Works Opens Figures for Considerable Work on Hetch-Hetchy Project.

Bids for considerable work in connection with the Hetch-Hetchy project were opened at the regular Wednesday meeting of the San Francisco Board of Public Works.

Bids for drifting tunnels for the Lower Cherry Aqueduct were taken on the basis of 950 feet; 750 feet; 1350 feet; 750 and 600 feet. The unit prices asked by each bidder for the different units were the same. Following is a list of the bids:

Drifting Tunnels.

T. J. Shea.....	\$13.63
E. G. Fischer.....	16.00
MacArthur Bros. Co.....	10.35
W. H. Bechtel.....	14.75

Bids for furnishing hydraulic machinery and equipment for Hetch-Hetchy were opened as follows:

Hydraulic Machinery.

Pelton Water Wheel Co., \$18,514; \$18,720; \$18,900; \$16,250.

N. D. Phelps, \$32,500; \$33,700; \$31,700; \$29,300; \$30,500; \$28,500.

Bids for furnishing electric generator and exciters were submitted on the basis of both Westinghouse and General Electric Company's goods.

Electric Generators and Exciters.
Westinghouse Electric Co., No bid on first six propositions; balance as follows: \$7,635; \$729; \$7,225; \$657; \$5,683; \$732; \$4,610.

General Electric Co., \$5,815; \$549; \$6,075; \$549; \$5,990; \$549; \$4,611; \$179; \$4,857; \$479; \$4,743; \$479.

At the same meeting specifications were approved for furnishing approximately 800,000 wood paving blocks and bids were ordered advertised. Bids will be opened on August 23rd.

Specifications for cables for the Third Street Bridge were also approved, but no date was set for receiving figures.

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Am't.
2307	Ramazzotti	Ramazzotti	5500
2308	Metro Invest	Metro Invest	50000
2309	Worthington	Pendrey	1950
2310	Schoning	McCormick	1000
2311	Lapham	Lapham	2800
2312	Nolan	Nolan	3400
2313	Cheesewright	Owner	500
2314	Poli	Poli	1000
2315	Nelson	Nelson	2000
2316	Scoible	Scoible	10000
2317	Scoible	Scoible	10000
2318	Thunberg	Thunberg	475
2319	Pac Gear & Tool	Owner	3000
2320	Howard	Knowles	15450
2321	Lakeside	Turner	22590
2322	Hammond	Grimes	1004
2323	Plynn	Van Herick	1800
2324	Tholke	Hantzsche	4650
2325	Clancy	Clancy	5000
2326	Rowden	Rowden	500
2327	Rumwell	Dreyfus	400
2328	Baumgartner	Owner	1000
2329	Keenan	Keenan	5000
2330	Keenan	Keenan	5000
2331	Keenan	Keenan	5000
2332	Curtaz	Curtaz	21500
2333	Capra	Delucchi	400
2334	Raysan	Bonardrel	500
2335	Anderson	Anderson	5000
2336	Anderson	Anderson	5000
2337	Wilson	Mullen	5378
2338	Garrett	Leish	5250
2339	Utsch	Swenson	500
2340	Vallmer	Klein	400
2341	O'Ryan	McLaughlin	400
2342	Bandmann	Owner	400
2343	Phelan	Behm	400
2344	Spinkle	Swenson	450
2345	Stoss	Barrett	500
2346	Kilkenny	Sullivan	450
2347	Porter	Rosenherz	1000
2348	Dune	Healing	500
2349	Cal. Cannery	Owner	400
2350	Lehikoinen	Owner	7000
2351	Hooper	Sibley	7500
2352	Howard	Knowles	15300
2353	San Dolores	Bruckhage	1800
2354	Nat'l Ice Cream	Braun	1250
2355	Peters	Leiter	1500
2356	Newman	Hemphill	6750
2357	McCarthy	O'Brien	1500
2358	Thompson	Hamill	3500
2359	Danziger	Barrett	5000
2360	Harris	Zane	1500
2361	Brownstone	Hemphill	1350
2362	Seall Co.	S F Bridge Co	3500
2363	Vowinkel	Vowinkel	3000
2364	Palom	Arenson	1950
2365	Malloch	Malloch	5000
2366	San Carlos	Sene	5000
2367	Grunzfeld	Miller	1420
2368	Schoenfeld	Harv	2400
2369	Kavser	Harv	2400
2370	Hermann	Hermann	400
2371	Werner	Terry	500
2372	Kranberg	Jaeger	1000
2373	Sanford	Smith	1000
2374	Rothin	Rothin	500
2375	Dwyer	Prago	1000
2376	Morris	Morris	25000
2377	Little	Little	10000
2378	City Invest	Jensen	12593
2379	Svgs Invest	Dyer	44196

FRAME TENEMENTS

(2307) S VALLEJO 100 E Polk. Two-story and basement frame (4) tenements.

Owner.....A. Ramazzotti, 1463 Vallejo, San Francisco.

Architect...Paul J. Capurro, 1844 Powell, San Francisco.

Day's work. COST, \$5500

BRICK APARTMENTS

(2308) NW LEAVENWORTH & POST. Four-story and basement Class "C" brick (30) apartments and (4) stores

Owner.....Metropolis Investment Co., 333 Kearny, San Francisco.

Architect...Lapachet & Larsen, 110 Sutter, San Francisco.

Day's work. COST, \$50,000

FRAME DWELLING

(2309) E SAN JOSE 492 S Santa Ynez. One and one-half-story and basement frame dwelling.

Owner.....Dec Worthington, 2025 San Jose Ave., San Francisco.

Architect...None.

Contractor...A. F. Pendrey, 239 Bartlett, San Francisco.

COST, \$1950

FRAME FLATS

(2310) E EIGHTEENTH AVE 375 S California. Two-story and basement frame (2) flats.

Owner.....Otto Schoning, 511 Howard San Francisco.

Architect...None.

Contractor...Thos. McCormick, 25 Gladys, San Francisco.

COST, \$6000

FRAME RESIDENCE

(2311) NW BALBOA & EIGHTEENTH AVE. Two-story and basement frame residence.

Owner.....A. R. Lapham, 511 12th Ave., San Francisco.

Architect...None.

Day's work. COST, \$2800

FRAME DWELLING

(2312) W TWENTY-FIRST AVE 250 S California. Two-story and basement frame dwelling.

Owner.....M. F. Nolan, 228 Noe, S. F.

Architect...None.

Day's work. COST, \$3400

FRAME GARAGE

(2313) W FOURTEENTH AVE 250 N Clement. One-story frame private garage.

Owner.....J. F. Cheesewright, 255 14th Ave., San Francisco.

Architect...None.

Day's work. COST, \$500

ALTERATIONS

(2314) NO. 1657 FULTON. Alter and add for store and living rooms.

Owner.....Chas. Poli, Premises.

Architect...None.

Day's work. COST, \$1000

FRAME DWELLING

(2315) W TWENTY-SEVENTH AVE 125 N Irving. Two-story and basement frame dwelling.

Owner.....F. Nelson, 2701 Lincoln Way, San Francisco.

Architect...None.

Day's work. COST, \$2000

FRAME RESIDENCE

(2316) LOT 32, Sea Cliff. Two-story and basement frame residence.

Owner...Thos. Scoible, 262 14th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$10,000

FRAME RESIDENCE

(2317) LOT 31, Sea Cliff. Two-story and basement frame residence.

Owner...Thos. Scoible, 262 14th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$10,000

FRAME STORE ROOM

(2318) E NINTH AVE 100 N Cabrillo. One story frame store room.

Owner.....Oscar Thunberg, 678 9th Ave., San Francisco.

Architect...None.

Day's work. COST, \$475

FRAME MACHINE SHOP

(2319) S FOLSOM 46 E Columbia. Two-story frame machine shop.

Owner.....Pacine Gear & Tool Works 1035 Folsom, San Francisco

Architect...Koenig & Christensen, Humboldt Bank Bldg., S. F.

Day's work. COST, \$3000

BRICK LOFT BUILDING

(2320) N MISSION 46-6 E Beale N 137-6x6 45. All work except glazing and elevator for three-story brick loft building.

Owner.....E. A. Howard, Spear and Howard, San Francisco.

Architect...C. H. Miller, 1st Savings Bank Bldg., Oakland.

Contractor...Knowles & Mathewson, Call Bldg., San Francisco.

Filed Aug. 5, '16. Dated Aug. 4, '16.

2nd story joists set.....\$296.87½

3rd story joists set.....\$296.87½

Roof joists set.....\$296.87½

Completed and accepted...\$296.87½

Usual 35 days.....\$362.50

TOTAL COST, \$15,450.00

Bond, none. Limit, 55 days. Forfeit, \$10. Plans and specifications filed.

WATER SUPPLY SYSTEM

(2321) SITE AT S END OF LAKE Merced in San Francisco and San Mateo Counties. All work for water supply and distribution system.

Owner.....Lakeside Golf Club, 621 1st National Bank Bldg., S. F.

Engineer...Galloway & Markwart, 1 Montgomery, S. F.

Contractor...The Turner Co., 278 Natoma, San Francisco.

Filed Aug. 7, '16. Dated Aug. 4, '16.

As work progresses.....75%

Usual 35 days.....25%

TOTAL COST, \$22,590

Bond, \$12,000. Surety, Massachusetts Bonding & Insurance Co. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ADDITION

(2322) W LARKIN 56-6 N Chestnut; No. 2705 Larkin. All work for addition to residence.

Owner.....Mrs. E. I. Hammond.

Architect...J. W. Dolliver, 201 Sansome, San Francisco.

Contractor...Grines & Drew, 116 Battery, San Francisco.

Filed Aug. 7, '16. Dated Aug. 3, '16.

Plastering completed.....\$500

Completed.....504

TOTAL COST, \$1004

Bond, none. Limit, 50 days. Forfeit, none. Plans and specifications filed.

FRAME BUILDING

(2323) E TWENTY-SIXTH AVE 150 S Anza 21-8x120. All work for one-story and basement frame building. Owner.....Maurice J. Flynn, 654 26th Ave., San Francisco.

Architect...None.

Contractor...Wm. Van Herick.

Filed Aug. 7, '16. Dated Aug. 3, '16.

Frame up and roofing done.....\$450
Brown coated and plumbing.....450
roughed in450
Completed and accepted.....450
Usual 35 days.....450

TOTAL COST, \$1,800

Bond, \$900. Surety, United States Fidelity & Guaranty Co. Limit, 80 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(2321) NO LOCATION GIVEN. All work for two-story and basement frame flats.

Owner.....L. and E. Thoke, 348 Clement, San Francisco.

Architect...None.

Contractor...G. M. Hantzsche, 528 31st Ave., San Francisco.

Filed Aug. 7, '16. Dated May 26, '16.

2nd story joists on.....\$71.87
Roof on871.87
Plastering completed871.87
Completed871.89
Usual 35 days.....1163.50

TOTAL COST, \$4650.00

Bond, none. Limit, Sept. 1, 1916. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(2325) E EIGHTH AVE 125 S Lincoln Way. Two-story and basement frame (2) flats.

Owner.....D. J. Clancy, 2884 Folsom, San Francisco.

Architect...None.

Day's work.....COST, \$5000

ALTERATIONS

(2326) NO. 3233 SIXTEENTH. Extend 2nd story for flats.

Owner.....C. M. Rowden, Premises.

Architect...None.

Day's work.....COST, \$500

ALTERATIONS

(2327) NO. 719 ASHBURY. Alter residence.

Owner.....M. E. Rumwell, Premises.

Architect...None.

Contractor...Dreyfus Bros., 324 California, San Francisco.

COST, \$400

FRAME DWELLING

(2328) SE JENNINGS AND PALOU.

Two-story and basement frame dwlg.

Owner.....G. Baumgartner, 1405

Stockton, San Francisco.

Architect...C. Fantoni, 916 Kearny, San Francisco.

Day's work.....COST, \$1000

FRAME RESIDENCE

(2329) W WALNUT 40 N Jackson.

Two-story and basement frame residence.

Owner.....C. J. Keenan, 20 Broderick, San Francisco.

Architect...None.

Day's work.....COST, \$5000

FRAME RESIDENCE

(2330) W WALNUT 69-6 N Jackson.

Two-story and basement frame residence.

Owner.....C. J. Keenan, 20 Broderick, San Francisco.

Architect...None.

Day's work.....COST, \$5000

FRAME RESIDENCE

(2331) W WALNUT 99 N Jackson.

Two-story and basement frame residence.

Owner.....C. J. Keenan, 20 Broderick, San Francisco.

Architect...None.

Day's work.....COST, \$5000

BRICK STORES

(2332) SE GOLDEN GATE AVE AND

Leavenworth. One-story and basement brick stores.

Owner.....O. H. Curtaz, 519 Hayes, San Francisco.

Architect...None.

Day's work.....COST, \$21,500

ALTERATIONS

(2333) NO. 1407 UNDERWOOD. Raise

alter and add to dwelling.

Owner.....G. Capra, Premises.

Architect...None.

Contractor...Delucchi & Volpatti, 301 Nevada, San Francisco.

COST, \$400

ALTERATIONS

(2334) NO. 1003 NOE. Alter for

private garage.

Owner.....M. Rayan, Premises.

Architect...None.

Contractor...E. Bomardel, 34 Service, San Francisco.

COST, \$600

FRAME FLATS

(2335) E SEVENTEENTH AVE 103 N

Clement. Two-story and basement

frame flats.

Owner.....Otto E. Anderson, 248 18th

Ave., San Francisco.

Architect...None.

Day's work.....COST, \$5000

FRAME FLATS

(2336) E SEVENTEENTH AVE 78 N

Clement. Two-story and basement

frame flats.

Owner.....Otto E. Anderson, 248 18th

Ave., San Francisco.

Architect...None.

Day's work.....COST, \$5000

ALTERATIONS

(2337) NO. 1449 LEAVENWORTH.

All work for alterations and additions

to three-story and basement

apartment building.

Owner.....Mrs. E. T. Wilson, Prem.

Architect...None.

Contractor...J. W. Mullen and F. K.

Melbourne.

Filed Aug. 8, '16. Dated Aug. 8, '16.

On signing contract.....\$100

Payments on 1st and 15th of each

month of75%

Usual 35 days.....25%

TOTAL COST, \$5378

Bond, \$2689. Surety, The Aetna Accident

and Liability Co. Limit, 60 days.

Forfeit, none. Plans and specifications

filed.

NOTE:—1st report July 3rd; No. 2004

RESIDENCE

(2338) E FIFTEENTH AVE 275 N

Judah N 25x6 127-6. All work for

seven-room residence.

Owner.....T. S. and Alice B. Garrett,

1524 10th Ave., S. F.

Architect...None.

Contractor...David Leigh & Niels

Schultz, 419 21st Ave., S. F.

Filed Aug. 8, '16. Dated Aug. 7, '16.

On execution of contract.....\$650

Roof on350

Balance in monthly installments

with interest at 6%.....4250

TOTAL COST, \$5250

Bond, limit, forfeit, none. Plans only

filed.

REPAIRS

(2339) 12 GEARY. Repair fire damage

Owner.....G. H. Umben, 20 Mont-

gomery, San Francisco.

Architect...None.

Contractor...Swenson & Franzen, 145

Natoma, San Francisco.

COST, \$500

ALTERATIONS

(2340) SE TURK AND FRANKLIN.

Rebuild porch and tar and gravel roof

Owner.....Mrs. Vollmer.

Architect...None.

Contractor...E. Klein, 1568 Fulton, S. F.

COST, \$400

MOVE RESIDENCE

(2341) W EIGHTH AVE 150 N Geary.

Move residence 50 feet.

Owner.....Rev. P. O'Ryan.

Architect...Shea & Lofquist, Bankers'

Invst. Bldg., S. F.

Contractor...J. L. McLaughlin, 244

Kearny, San Francisco.

COST, \$100

ALTERATIONS

(2342) NO. 2900 VAN NESS AVE.

Plaster exterior and close up en-

trance.

Owner.....Chas. J. Bandmann, Prem.

Architect...J. Ettler, 2954 Van Ness

Ave., San Francisco.

Day's work.....COST, \$400

ALTERATIONS

(2343) NO. 758 MARKET. Alter en-

trance.

Owner.....Phelan Building.

Architect...None.

Contractor...Behm Co., 139 Oak, S. F.

COST, \$100

ALTERATIONS

(2344) NO. 848-8 GOUGH. Erect parti-

tions and make minor alterations.

Owner.....A. Spinkle, Premises.

Architect...None.

Contractor...Swenson & Franzen, 145

Natoma, San Francisco.

COST, \$450

UNDERPINNING

(2345) NW PINE AND VAN NESS AVE

Underpinning.

Owner.....Mrs. S. Sloss.

Architect...None.

Contractor...Barrett & Hilp, 424 Sharon

Bldg., San Francisco.

COST, \$500

REPAIRS

(2346) NO. 2637 HARRISON. Repair

fire damage.

Owner.....Patrick Kilkenny, Prem.

Architect...None.

Contractor...Jos. J. Sullivan, 337 Clipper

Bldg., San Francisco.

COST, \$450

REPAIRS

(2347) NO. 2117 CALIFORNIA. Repair

fire damage.

Owner.....Alexena Roberts Porter,
Premises.
Architect...None.
Contractor...Emil Rosenberg, 2519
Washington, San Francisco
COST, \$1000

ALTERATIONS
(2348) SW CLAY & CHERRY. Alter
dwelling.

Owner.....Peter F. Dunne, 3905 Clay,
San Francisco.

Architect...None.
Contractor...George Healing, 3665 Sacra-
mento, San Francisco.
COST, \$500

FRAME GARAGE
(2349) E INDIANA, bet. Mariposa and
18th. One-story frame garage.
Owner.....California Canneries Co.,
600 Minnesota, S. F.

Architect...None.
Day's work. COST, \$400

FRAME FLATS
(2350) NW CASTRO AND STATE.
Two-story and basement frame (4)
flats.

Owner.....M. Lehtikoinen, 16th and
Castro, San Francisco.

Architect...None.
Day's work. COST, \$7000

EXCAVATING, ETC.
(2351) W BATTERY 45-10 N Battery
(bet. Pine and California) N 140-2 W
137-6 S 140-2 E 137-6. Excavating
and pumping for six-story and base-
ment reinforced concrete building.

Owner.....John A. Hooper by Ken-
neth MacDonald Jr., Mgr.
and Architect.

Architect...Kenneth MacDonald, Hol-
brook Bldg., S. F.

Contractor...Sibley Grading & Teaming
Co., 284 Dolores, S. F.

Filed Aug. 9, '16. Dated Aug. 9, '16.
On 1st and 15th of each month 75%
TOTAL COST, \$7500

Bond, none. Limit, 60 days after Aug.
11. Forfeit, plans and specifications,
none.

BRICK LOFT BUILDING
(2352) N MISSION 45-6 E Beale N
137-6x45. All work except glass,
glazing, concrete and elevators for
three-story brick loft building.

Owner.....L. A. Howard, Spear and
Howard, San Francisco.

Architect...C. H. Miller, 1st National
Bank Bldg., San Francisco.

Contractor...Knowles & Mathewson,
Call Bldg., San Francisco.

Filed Aug. 9, '16. Dated Aug. 9, '16.

2nd story joists in.....\$288.75

3rd story joists in.....288.75

Roof joists in.....288.75

Completed and accepted.....288.75

Usual 55 days.....325.00

TOTAL COST, \$15,300.00

Bond, \$7725. Surety, Casualty Co. of
America. Limit, 55 days. Forfeit, \$10.

Plans and specifications filed.

LAVATORY

(2355) S SIXTEENTH bet. Dolores and
Church. One-story frame (school)
lavatory.

Owner.....Mission Dolores Church,
3321 16th, San Francisco.

Architect...None.

Contractor...Brockhage, Foley & Green
1326 Natoma, S. F.

COST, \$1800

TOWER
(2354) NO. 366 GUERRERO. Steel
and wood cooling tower.

Owner.....National Ice Cream Co., 366
Guerrero, San Francisco.

Architect...C. F. Braun, 503 Market,
San Francisco.

Contractor...C. F. Braun & Co., 503
Market, San Francisco.

COST, \$1250

ALTERATIONS
(2355) NO. 2715 SCOTT. Aiyter dwlg.
Owner.....J. F. Peters, Premises.

Architect...John Raiston Hamilton,
Kohl Bldg., San Francisco.

Contractor...E. T. Leiter & Sons, Call
Bldg., San Francisco.

COST, \$1500

FRAME FLATS
(2356) N SACRAMENTO 177-6 W Van
Ness Ave. Two-story and basement
frame (2) flats.

Owner.....F. Newman, 1600 Fell, S. F.

Architect...None.

Contractor...Hemminga Bros., Inc., 1600
Fell, San Francisco.

COST, \$6250

FRAME RESIDENCE
(2357) E SHRADER 75 N Rivoli. One
and one-half-story and basement
frame residence.

Owner.....C. T. McCarthy, 1330
Shrader, San Francisco.

Architect...Thos. F. O'Brien, 3735
Clay, San Francisco.

Contractor...D. O'Brien, 110 Jessie,
San Francisco.

COST, \$1500

FRAME FLATS
(2358) W COOK 25 N St. Roses Ave.
Two-story and basement frame (2)
flats.

Owner.....Nat Thompson, 620 Waller
San Francisco.

Architect...None.

Contractor...Thos. Hamill, 5535 Waller,
San Francisco.

COST, \$3500

BRICK GARAGE
(2359) E DIVISADERO 87½ S Mc-
Allister. One-story brick garage.

Owner.....R. Danziger, 700 Broderick
San Francisco.

Architect...None.

Contractor...Barrett & Hilp, 424 Sharon
Bldg., San Francisco.

COST, \$5000

ALTERATIONS
(2360) NO. 17 GUY PLACE. Alter
flats.

Owner.....Elizabeth Harris, 16 Guy
Place, San Francisco.

Architect...None.

Contractor...W. E. Zane, 111 Russ, S. F.

COST, \$1500

ADDITION
(2361) NO. 27 COMMONWEALTH AVE
Add 3 room to dwelling.

Owner.....L. H. Brownstone, Prem.
Architect...None.

Contractor...Hemminga Bros., Inc., 1600
Fell, San Francisco.

COST, \$1350

FOUNDATION
(2362) NE JEFFERSON & LEAVEN-
worth. Erect concrete foundation to
support oil tank.

Owner.....Shell Co. of California, 343
Sansome, S. F.

Architect...Engineering Dept. of Shell
Co., 343 Sansome, S. F.

Contractor...S. P. Bridge Co., Monad-
nock Bldg., S. F.

COST, \$3500

FRAME STORE, ETC.
(2363) N GROVE 200 W Franklin.
Three-story frame store and sample
rooms.

Owner.....Henry Vowinkel, 350
Hayes, San Francisco.

Designer...Otto Schiller.

Day's work. COST, \$3000

FRAME DWELLING
(2364) W LISBON 125 N Geneva. One-
story and basement frame dwelling.

Owner.....Victor Baloun, 1942 Anza,
San Francisco.

Contractor...A. Aronson, 1206 Maple,
San Francisco.

COST, \$1950

FRAME RESIDENCE
(2365) LOT 12 BLK 12, Forest Hill.
All work for two-story frame resi-
dence.

Owner.....J. S. Malloch, 110 Jesssie,
San Francisco.

Architect...Heiman & Schwartz Ne-
vada Bank Bldg., S. F.

Contractor...J. S. Malloch.

Filed Aug. 10, '16. Dated Aug. 9, '16.

Day's work TOTAL COST, \$5000

Bond, none. Limit, 100 days. Forfeit,
none. Plans and specifications filed.

FRAME RESIDENCE
(2366) LOT 8 BLK 12, Forest Hill. All
work for two-story and basement
frame residence.

Owner.....J. S. Malloch, 110 Jesssie,
San Francisco.

Architect...Heiman & Schwartz Ne-
vada Bank Bldg., S. F.

Contractor...J. S. Malloch.

Filed Aug. 10, '16. Dated Aug. 9, '16.

Day's work TOTAL COST, \$5000

Bond, none. Limit, 100 days. Forfeit,
none. Plans and specifications filed.

FRAME COTTAGE
(2367) NW MUNICH 300 NE Brazil
Ave. All work for one-story and
basement frame cottage.

Owner.....Arnold V and Margritha
V. Grunigen, 224 Munich,
San Francisco.

Architect...J. Miller.

Contractor...J. Miller, 82 Rolteck, S. F.

Filed Aug. 10, '16. Dated July 29, '16

Frame up.....\$250

Brown coated.....250

Completed.....250

Balance to be paid by loan.....670

TOTAL COST, \$1420

Bond, limit, forfeit, none. Plans and
specifications filed.

FRAME RESIDENCE
(2368) W TWENTY-SIXTH AVE 125
N Judah N 25xW 120. All work for
two-story frame residence.

Owner.....Ida Schoenfeld.

Architect...Plans by Contractor.

Contractor...Arthur M. Hardy, 231 8th
Ave., San Francisco.

Filed Aug. 10, '16. Dated Aug. 9, '16.

Frame up.....\$850

Brown coated.....850

Completed and accepted.....850

Usual 55 days.....850

TOTAL COST, \$3400

Bond, \$850. Surety, J. F. Houdet.
Limit, 90 days after Aug. 14. Forfeit,
none. Plans and specifications filed.

FRAME RESIDENCE
(2369) E TWENTY-SEVENTH AVE.
275 S Irving S 25x E 120. All work
for two-story and basement frame
residence.

Owner....Matilda Kayser.
Architect...Plans by Contractor.
Contractor...Arthur M. Hardy, 231 8th
Ave., San Francisco.

Filed Aug. 10, '16. Dated Aug. 9, '16.
Frame up\$850
Brown coated 850
Completed and accepted..... 850
Usual 35 days..... 850

TOTAL COST, \$3400

Bond, \$850. Surety, J. F. Houdet.
Limit, 90 days after Sept. 14. Forfeit,
none. Plans and specifications filed.

ADDITION

(2370) NO. 160 ARLINGTON. Add 1

room to dwelling.

Owner....V. Hermann, Premises.

Architect...None.

Day's work. COST, \$400

ALTERATIONS
(2371) NO. 2330 VALLEJO. Shingle
exterior and add porch.

Owner....John J. Wirtner, Premises.

Architect...Frederick H. Meyer, 49

Geary, San Francisco.

Contractor...Wm. L. Terry, 1453 Wil-

lard, San Francisco.

COST, \$500

FRAME DWELLING
(2372) S BROSNA 210 E Guerrero.
One-story and basement frame dwlg.

Owner....Wm. Kromberg, 63 Bros-

nan, San Francisco.

Architect...L. Poitz, 37 San Carlos,

San Francisco.

Contractor...G. Jaeggli, 37 San Carlos,

San Francisco.

COST, \$1000

COMPLETE DWELLING
(2373) NO. 710 NAPLES. Complete
dwelling.

Owner....Pietro Santucci, Premises.

Architect...None.

Contractor...C. Smith, 313 San Jose Ave.,

San Francisco.

COST, \$1000

ALTERATIONS
(2374) SE SACRAMENTO & LEIDES-
dorff. Alter studio.

Owner....H. A. Bothin.

Architect...Kenneth McDonald Jr.,

Holbrook Bldg., S. F.

Day's work. COST, \$500

FRAME RESIDENCE
(2375) W DE HARO 75 S 18th. One-
story and basement frame residence.

Owner....P. Oliveri, 1849 18th, S. F.

Architect...None.

Contractor...D. Paruso, 1849 18th, S. F.

COST, \$1000

FRAME DWELLING
(2376) W TENTH AVE 125 S Balboa.
Two-story and basement frame dwlg.

Owner....A. T. Morris, 501 11th Ave.,

San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME FLATS
(2377) W STEINER 110 S Green. Two
story and basement frame (4) flats.

Owner.....John Little, 1371 5th Ave.,
San Francisco.

Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$10,000

ALTERATIONS

(2378) SW THIRD 95 SE Market SE

75 SW 95 NW 70 NE 20 NW 5 NE

75. All work for alterations and ad-

ditions except lighting fixtures,

shades, removing freight elevator and

changing passenger elevator for

building.

Owner.....City Investment Co., 1st

National Bank Bldg., S. F.

Architect...J. R. Miller, Lick Bldg.,

San Francisco.

Contractor...G. P. W. Jensen, 320 Mar-

ket, San Francisco.

Filed Aug. 11, '16. Dated Aug. 10, '16.

Payments on 1st and 15th of each

month of 75%

Usual 35 days..... 25%

TOTAL COST, \$12,593

Bond, \$6296.50. Surety, Massachusetts

Bonding & Insurance Co. Limit, none.

Forfeits \$15. Plans and specifications

filed.

IRON AND STEEL WORK

(2379) S MARKET AND SECOND SW

45xSE 91-6. Furnish, cut, fabricate,

clean and paint structural iron and

steel for 12-story and basement Class

"A" building.

Owner.....Savings Union Bank &

Trust Co., Grant Ave and

O'Farrell, San Francisco.

Architect...Wood & Simpson, 110 Sutter,

San Francisco.

Contractor...Dyer Bros. Golden West

Iron Works, Inc., 17th and

Kansas, S. F.

Filed Aug. 11, '16. Dated March 30, '16.

Semi-monthly installments of. 75%

36 days after.....Balance

TOTAL COST, \$44,196

Bond, \$22,098. Surety, California Casualty

Co. Limit, 45 days from Aug. 1,

1916. Forfeits, \$50. Plans and specifi-

cations filed.

LEASES.

Aug. 11, 1916—½ NO. 1308 FILLMORE

bet. Eddy and Ellis. Wm Neece to

M Kaplan. 3 years. \$40 per month.

Aug. 11, 1916—NO. 630 KEARNY, bet.

Commercial and Clay. P P Kozra-

mos and Strat Fant to Nick Marenz

3 years. \$1620.

Aug. 7, 1916—NO. 1218 TURK and

building in rear. Etta Rosenberg to

Morris Hekman. 3 years. \$1980 with

option to renew.

NOTICE OF NON-LIABILITY.

Aug. 8, 1916—E MASON 85 E Eddy 25

x68.9; Nos. 120-124 Mason. Jos

Kowalsky as to improvements on

leased property

CANCELLATION OF CONTRACT.

SAN FRANCISCO COUNTY.

Aug. 9, 1916—N MISSION 46-6 E Beale

E A Howard with Knowles & Math-

ewson, releasing contract filed Aug.

4, 1916. Cancelled.....Aug. 9, 1916

COMPLETION NOTICES.

San Francisco

RECORDED ACCEPTED

Aug. 5, 1916—NW TWENTY-THIRD

Ave and Rivera N 100xW 32-6.

John F Haner to whom it may concern.....Aug. 4, 1916

Aug. 5, 1916—E NINETEENTH AVE

100 N Balboa N 75x E 120. Martin

Nelson and Hans Nelson to whom

it may concern.....Aug. 5, 1916

Aug. 7, 1916—W LEAVENWORTH 20

N Broadway N 50xW 60. Julien

Lauray and Joseph Couragent to

Higginson Co, Inc.....Aug. 4, 1916

Aug. 7, 1916—LOT 4 BLK 11, St.

Francis Wood. Irene Sullivan to

E Ellingson.....Aug. 4, 1916

Aug. 7, 1916—E FIFTH AVE 125 N

Clement. W or William and Anna

Sattler to G M Hantzschke.....July 31, '16

Aug. 7, 1916—S SYCAMORE 105 W

Mission W 25x60. Jos and Antonio

Cuneo to whom it may concern....

.....Aug. 7, 1916

Aug. 7, 1916—S SYCAMORE 80 W

Mission W 25x80. Joseph Cuneo

to whom it may concern.....Aug. 7, 1916

Aug. 7, 1916—LOT 836 Gift Map 3.

Jno C and Babetta Schmidt to

whom it may concern.....Aug. 4, 1916

Aug. 5, 1916—W FOURTEENTH AVE

44-11 N Anza N 50x85. Lloyd B

Ham.....Aug. 5, 1916

Aug. 8, 1916—COMG 35 W from NW

Vallejo and Webster N 137-6 W 60

S 137-6 to N Vallejo th 60 to beg.

Clas or C Schilling to John Biller

.....Aug. 4, 1916

Aug. 8, 1916—NW TWENTY-EIGHTH

and Church N 49xN 100. Albert

Rosa and L Boitano to Brandt &

Stevens.....Aug. 4, 1916

Aug. 8, 1916—SE FOURTH and

Brannan 137-6x275. The John Boll-

man Co to Bradley & O'Reilly and

Lange & Bergstrom.....July 28, 1916

Aug. 8, 1916—SE FOURTH and

Brannan 137-6x75. The John Boll-

man Co to Lange & Bergstrom and

Forderer Cornice Wks.....July 28, 1916

Aug. 8, 1916—E TWENTY-EIGHTH

Ave 130 N California N 25x E 120.

Harry B and Laurence D Allen to

whom it may concern.....Aug. 5, 1916

Aug. 8, 1916—E TWENTY-EIGHTH

Ave 105 N California N 25x E 120.

Harry B and Laurence D Allen to

whom it may concern.....Aug. 5, 1916

Aug. 8, 1916—E TWENTY-EIGHTH

Ave 155 N California N 25x E 120.

Harry B and Laurence D Allen to

whom it may concern.....Aug. 5, 1916

Aug. 8, 1916—LOT 1 BLK 24 Crocker

Amazon Tract. John Bjorkman to

whom it may concern.....Aug. 8, 1916

Aug. 8, 1916—N PILBERT 134-6 W

Divisadero W 30xN 137-6. Mina B

Bernhard to George N Zaro.....

.....July 31, 1916

Aug. 8, 1916—N SEVENTEENTH 25

E Prosper E 24-11 ½ x N 91-6. Mary

A Donovan to whom it may concern

.....Aug. 9, 1916—W FOURTEENTH AVE

91-11 N Anza N 50xW 85. Celeste

M Ousset to George William McKay

.....Aug. 3, 1916

Aug. 9, 1916—E TWELFTH AVE 125

S Lawton 25x120. Elsa Davies to

John J Binet Co.....Aug. 1 1916

Aug. 9 1916—NW TENTH AVE AND

Clement. I A Frazer to Daniel R

Wagner & Co.....Aug. 1, 1916

Aug. 9, 1916—N POST 70 W Leaven-

worth W 67-6 N 137-6 E 27-6 S 77-6

F FOUR W WHEEL D DRIVE

Read Owners' Opinions:

Raymond, Cal., April 30, 1916.
Four Wheel Drive Truck Co.,
San Francisco, Cal.

Gentlemen:

Replying to your letter of inquiry asking for a statement regarding the service we are getting from our F-W-D Truck recently purchased from you, beg to advise that the truck is more of a success than I ever thought possible. I am hauling over a road that a 10-horse team can only pull $4\frac{1}{2}$ tons over, and takes five days to make the round trip. The truck makes a round trip in 14 hours, with $3\frac{1}{2}$ to 4 tons.

The whole country for miles around comes down to see the only truck that ever reached Wawona with four tons. The first load was 8,152½ pounds, for which I have a receipt from the Associated Gasoline people. Since then I have been making regular daily trips from Raymond.

The truck has replaced one 10-horse and two 4-horse teams on the road. If the truck continues to perform as well as it does now, there is not another

truck can come near it.

With best wishes, I beg to remain,

Yours very truly,

(Signed) D. A. LEWIS.

St. Paul, Minn., May 16, 1916.
Four Wheel Drive Auto Co.,
Clintonville, Wis.

We have used the F-W-D Truck nearly three years and feel that on rough roads and for hard usage nothing better is made. Truck has fulfilled all requirements and proven very satisfactory. HAMM BREWING CO.

Four Wheel Drive Auto Co.,
Clintonville, Wis.

Four years' experience with F-W-D Trucks. All give perfect satisfaction. Strongly recommend it over all others. Costs less to operate. Is dependable; most economical. We are operating successfully where W—, P—, and J— trucks failed. A. W. SHAW.

Four Wheel Drive Truck Co.

Telephone Market 334 343 Golden Gate Ave. San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

E 40 S 69. Samuel Hamburger to Carlin Bros. July 31, 1916
 Aug. 9, 1916—LOT 5 BLK 24 Crocker Amazon Tract. Oliver and Jennie S Evans to whom it may concern. Aug. 3, 1916
 Aug. 9, 1916—W TAYLOR 113-6 S Lombard 25x77-6. Guiseppe and Rose Malaspina to V. Filippis. Aug. 9, 1916
 Aug. 10, 1916—LOT 21 BLK 17-B, C S Allred, Watson A Titus to whom it may concern. Aug. 10, 1916
 Aug. 10, 1916—W TWENTY-EIGHTH Ave 175 S Clement 8 25 W 124-10 1/2 N 25 m or 1 — 129-6 to beg. William A Miller to whom it may concern. Completed —
 Aug. 10, 1916—S PACIFIC 25 E Leavenworth E 25xS 68-6. Daniele Giannini to V. Filippis. Aug. 10, 1916
 Aug. 11, 1916—SE FOURTH AND Brannan 137-6x275. The John Bollman Co to Lange & Bergstrom, Scott So. July 25, 1916
 Aug. 11, 1916—SE FOURTH AND Brannan 137-6x275. The John Bollman Co to Lange & Bergstrom, California Plate & Window Glass Co. Aug. 7, 1916
 Aug. 11, 1916—SE FOURTH AND Brannan 137-6x275. The John Bollman Co to Lange & Bergstrom and Joseph Musto Sons-Keenan Co. Aug. 7, 1916
 Aug. 11, 1916—S ANZA 50 E 27th Ave E 25xS 100. Miles and Annie Birdie to whom it may concern. Aug. 7, 1916
 Aug. 11, 1916—W FOURTEENTH AV 200 S Lincoln Way (H) S 25xW 127-6. Frank Schmitt to Ruegg Bros. Aug. 7, 1916
 Aug. 11, 1916—S PAGE 100 W Baker W 27-3 1/2xS 137-6. Alice May Curtaz for Benjamin Curtaz to Gus Thunberg. July 19, 1916
 Aug. 11, 1916—SW ANZA AND Arguello Blvd W 95xS 25. Thomas Bourke to W E Grant. Aug. 10, 1916
 Aug. 11, 1916—N GROVE 55 W Gough W 27-6xN 68-9. Lisette Reinle to Joseph Pasqualetti. Aug. 2, 1916

LIENS FILED

San Francisco

RECORDED AMOUNT
 Aug. 4, 1916—S KITTREDGE 234.73 E Milvia E 60xS 128 64. Berkeley. Joseph Musto Sons-Keenan Co vs John A Kuivala and C A and M C Muller. \$75
 Aug. 5, 1916 NO. 2876 BRYANT W line 42-5 N Army. The Greater City Lumber Co vs W P Montrouil and M B Ledrovyich. \$90
 Aug. 5, 1916 S TARAVAI 107 W 27th Ave W 25 m or 1 x S 120 m or 1. The Greater City Lumber Co vs Tony and Anna Danna and Francesco and Giuseppe Bonaccorso. \$411.10
 Aug. 5, 1916 N BUSH 187-6 W Powell N 137-6xW 87-6. General Machinery & Supply Co vs L M Bigelow. \$13.80
 Aug. 7, 1916—E SEVENTH AVE 120 S Lincoln Way S 25x120. W H Meyers vs Frederick R and Marguerite L Stokes and Fried Miller. \$298
 Aug. 7, 1916 SW TAYLOR AND Bernard — 68-6 S 60 W 23 N 60 E 23. J M Anderson vs Laura Englefield. \$18
 Aug. 9, 1916—LOT 24 BLK 2975 Clare-

mont Court Tract: on NE Crofton Way 234.596 NW Portal Way NW 30x100. H L Quandt vs C E McMullin, Alfred L. Meyerstein and O K Jones. \$318.50
 Aug. 9, 1916—S PINE 68-9 E Sansome E 34-4 1/2xS 96. The Golden Gate Iron Works vs Postal Realty Co. \$410

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. M. P. Cambar, 1044 91st avenue, Oakland, has been awarded a contract for the following street improvement: The construction of a sewer having an internal diameter of 8 inches along the center line of 9th street from Fallon street to a point distant 237 feet westerly therefrom, measured along said center line of 9th street; also a brick manhole, a lamphole and Y branches. Said sewer, Y branches and lampholes (excepting the top thereof) shall be constructed of vitrified sewer pipe.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on August 22nd for street improvements authorized under the following resolutions: That the west one-half of Franklin street from Delaware street distant 100.15 feet south be regraded; a redwood curb be constructed, concrete gutter 3 feet wide and the remainder of the roadway be macadamized.

That a 6-inch, vitrified, ironstone pipe sewer be constructed along Walnut street from Eunice street northerly, also a brick manhole 4 feet in diameter, and 4-inch, vitrified, ironstone pipe Y branches.

That a cement sidewalk 6 feet wide be constructed in the east sidewalk area of San Pablo avenue from University avenue to Delaware street; north sidewalk area of University avenue from San Pablo avenue to Curtis street, and the north sidewalk area of University avenue from West street to Action street, except where already done.

RESIDENCE—2 story and base, frame, \$5,000. Piedmont, Alameda Co., Cal. Architect, none. Owner, Mrs. E. Rose, 5801 Dover street, Oakland. Location, west Manor Drive north Bowie. Will contain nine rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$12,000. Piedmont, Alameda Co., Cal. Architect, Albert Caldwell, Clunie Bldg., S. F. Owner's name withheld. Will contain ten rooms, two baths and sleeping porch. Separate garage. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, M. L. Newsom, 1748 Broadway, Oakland. Owner, John P. Whalin. Location, Central avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. Berkeley, Alameda Co., Cal. Architect, E. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owner, A. C. Lawson. Location, south Buena Vista avenue east La Loma. Will contain six rooms, bath and sleeping porch. Plans complete and work

to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, L. C. Pfarr, 1139 Emerald, Oakland. Location, east Park Boulevard north Hopkins. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect, none. Owner, I. Ariel Kellogg, 3404 Champion street, Oakland. Location, east Laguna avenue north of Montana. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,500. Oakland, Cal. Architect Robert A. Hutchinson, 470 13th street, Oakland. Owner, Robert A. Hutchinson. Location, north Montana west of Curren. Each house will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owners, J. F. Chambers, Plaza Bldg., Oakland. Location, south Frisbie west Walsworth avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,900. Oakland, Cal. Architect, M. L. Diggs, Syndicate Bldg., Oakland. Owners, Blake Bros., Syndicate Bldg., Oakland. Location, north Golden Gate avenue south Acacia. Will contain six rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,300. Oakland, Cal. Architect, none. Owner, Charles D. Hart, 615 22nd street, Oakland. Location, west Jean south Sunnyslope. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, A. Kellogg, 3404 Champion street, Oakland. Location, east Jean south Santa Clara. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$1,850. Oakland, Cal. Architect, A. W. Smith, 1010 Broadway, Oakland. Owner, G. Rossi, 192 Chetwood, Oakland. Location, northwest Euclid and Warwick. Will contain nine rooms, two baths and sleeping porches. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,800. Oakland, Cal. Architect, W. L. Broderick, 1201 Colusa avenue, Berkeley. Owner, Joseph Tlechaty. Location, Piedmont Terrace by the Lake. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BAKERY—1 story, corrugated iron, \$2,000. Emeryville, Alameda Co., Cal. Architect, none. Owners, People's Bread Co., 17th and Bryant streets, S. F. Location, Park and Watts streets. Plans complete and work to be done by Day Labor.

GARAGE ADDITION—1 story, brick, \$3,000. Berkeley, Alameda Co., Cal. Architect, J. Henry Boehrer Delget Bldg., Oakland. Owner, J. H. Wright. Location, Telegraph and Ashby avenue.

Designed for a commercial garage. Plans complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded

COLLEGE BUILDING—1 story and base. Class A construction. Cost as follows. Berkeley, Alameda Co., Cal. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. The following contracts have been awarded in connection with the construction of Hilgard Hall to be erected on the University Campus at Berkeley: Excavating and concrete work to the Sound Construction and Engineering Co., Hearst Bldg., S. F., \$106,435. Exterior finish to Paul E. Deniville, 524 Post street, S. F., \$27,900. Roofing and sheet metal to Forrester Cornice Works, 260 Potrero avenue, S. F., \$10,750. Interior furring, lathing and plastering to Knowles & Mathewson, Call-Post Bldg., S. F., \$25,669. Carpentry and cabinet work to S. Kulchar & Co., 6th avenue and East 10th street, Oakland, \$79,994. Marble and terrazzo work to Joseph Musto-Keenan Co., 565 North Point street, S. F., \$7,545. Plumbing to Scott Co., 243 Minna street, S. F., \$9,610. Heating and ventilating to Scott Co., 243 Minna street, S. F., \$16,660. Electric work to McCell Electric Co., 223 Minna street, S. F., for \$14,685. Acoustic felt to H. W. Johns-Manville Co., 2nd and Howard streets, S. F., both Hilgard Hall and Chemistry building, \$2,655. With the exception of the contract for the acoustic felt no contracts have been awarded on the Chemistry building.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contracts for street improvements have been awarded under the following resolutions: That portions of the north half of the roadway of Durant avenue be graded, concrete curbs and gutters be constructed along the curb lines adjacent to said portions of the roadway; and the remainder of said portions of the roadway be paved with asphaltic wearing surface 2 inches thick laid on concrete base 3 inches thick. Awarded to the Oakland Paving Co., 5000 Broadway, Oakland.

That the south half of concrete culvert 6x6 feet inside dimensions, and 125 feet long be constructed in Codornices Creek across Ordway street and that earth fill be made in said street south of the north boundary line of the city of Berkeley. Awarded to Michael Heafey, 2320 McKinley avenue, Berkeley.

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Am't.
1892	Kellogg	Kellogg	1500
1893	Pfrang	Pfrang	2500
1894	Luis	Bold	1690
1895	Kelly	Kelly	1950
1896	Alves	Boga	400
1897	White	Doss	500
1898	Hutchinson	Owner	2500
1899	Cur	Same	2500
1903	Same	Sorensen	2200
1901	Mills College	Stock	600
1905	Bovson	Albers	500
1906	Valerga	Dunham	1200
1907	Taft	Goodmundson	500
1908	Fox	Smith	2050
1909	Eggleston	Anderson	2500
1910	Same	Same	2500
1912	Mackie	Vaughn	2238

1919	Rose	Rose	5000
1920	Blake	Blake	3300
1921	Lake	Brookes	628
1923	Lehr	Gould	400
1924	Chambers	Chambers	2500
1925	S. P.	Costello	600
1926	Logan	Chapman	900
1927	Kellogg	Brumfield	600
1928	Kellogg	Kellogg	2500
1929	Hart	Hart	2200
1930	Rossi	Rossi	1870
1931	Ranson	Boldt	8000

DWELLING

(1892) E LAGUNA AVE 70 N Montana, Oakland. One-story 5-room dwelling.

Owner.....I. Ariel Kellogg, 3404 Champion, Oakland.

Architect...None.

Day's work. COST, \$1600

DWELLING

(1893) E PARK BLVD 132 N Hopkins Oakland. One-story 6-room dwlg.

Owner.....L. G. Pfrang, 4129 Emerald Oakland.

Architect...None.

Day's work. COST, \$2500

FRAME DWELLING

(1894) E THIRTY-THIRD AVE 150 S Foothill Blvd, being Lot 42 Map Henry & Phillips Tract, Oakland. All work for one-story and basement frame dwelling.

Owner.....Anna Maria Farapilla Luis, 1920 33rd Ave, Okd.

Architect...None.

Contractor...Bold & Sons, 1984 Minnesota Ave., Oakland.

Filed Aug. 5, '16. Dated Aug. 4, '16.

Frame up.....1/4

Brown coated.....1/4

Completed and accepted.....1/4

Usual 35 days.....1/4

TOTAL COST, \$1690

Bond, none. Limit, 60 days after Aug. 8. Forfeit, \$2. Plans and specifications filed.

FLATS

(1895) W SHATTUCK AVE 200 S Woolsey, Oakland. Two-story store and flat.

Owner.....W. C. Kelly, 6605 Shattuck Ave., Oakland.

Architect...None.

Contractor...E. H. Welsh, 5815 Noble, Oakland.

COST, \$1950

ALTERATIONS

(1896) SW DOUGLAS AND HALE, Oakland. Alterations.

Owner.....E. Alves, Premises.

Architect...None.

Contractor...J. M. Boga, San Leandro.

COST, \$400

ALTERATIONS

(1897) NO. 518 THIRTY-FIRST, Oakland. Alterations.

Owner.....Mrs. A. R. White, 604 27th, Oakland.

Architect...None.

Contractor...C. A. Doss, 2028 E-15th, Oakland.

COST, \$500

DWELLING

(1898) N MONTANA 350 W Curren, Oakland. One-story 6-room dwlg.

Owner.....Robert A. Hutchinson, 470 13th, Oakland.

Architect...None.

Day's work. COST, \$2500

DWELLING

(1898) N MONTANA 315 W Curren,

Oakland. One-story 6-room dwlg. Owner.....Robert A. Hutchinson, 470 13th, Oakland. Architect...None. Day's work. COST, \$2500

FRAME DWELLING

(1903) LOT 5 BLK 104 Map Central Tract, Hayward. All work for one-story frame dwelling.

Owner.....Margaret A. Carr, Hayward.

Architect...None.

Contractor...Sorensen Bros., Hayward. Filed Aug. 7, '16. Dated Aug. 5, '16.

Frame up, siding on and roof ready for shingles.....1/4

Ready for interior finish coat of plaster.....1/4

Completed and accepted.....1/4

Usual 35 days.....1/4

TOTAL COST, \$2200

Bond, \$1100. Sureties, W. H. Mosegaard and H. H. Sorensen. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESHINGLE

(1901) MILLS COLLEGE, Oakland.

Reshingle.

Owner.....Mills College.

Architect...None.

Contractor...V. O. Stock, 2328 Edwards Berkeley.

COST, \$600

ADDITION

(1905) NO. 5415 E-TWELFTH, Oakland. Addition.

Owner.....Gen. Boyson, Premises.

Architect...None.

Contractor...Geo. Albers, 1616 51st Ave., Oakland.

COST, \$500

ADDITION

(1906) NO. 626 THIRTY-EIGHTH, Oakland. Addition.

Owner.....R. P. Valerga, Premises.

Architect...None.

Contractor...R. E. Dunham, Premises.

COST, \$1200

REPAIRS

(1907) NW FOURTEENTH AND CLAY, Oakland. Roof repairs.

Owner.....Taft & Penoyer, Premises.

Architect...None.

Contractor...A. K. Goodmundson, 565 16th, Oakland.

COST, \$500

DWELLING

(1908) SE E-ELEVENTH & SEVENTH Ave., Oakland. One-story 6-room dwelling.

Owner.....R. W. Fox, 1629 11th Ave., San Francisco.

Architect...None.

Contractor...C. M. Smith, 3406 35th Ave., Oakland.

COST, \$2650

DWELING

(1909) W SANTA CLARA AVE 83 N Crescent, Oakland. Two-story five-room dwelling.

Owner.....Eggleston & Anderson, Syndicate Bldg., Oakland.

Architect...None.

Contractor...J. W. Anderson, 1410 Fairview, Oakland.

COST, \$2300

DWELLING

(1910) W SANTA CLARA AVE 2 N Crescent, Oakland. Two-story five-room dwelling.

Owner.....Eggleston & Anderson,
Syndicate Bldg., Oakland.
Architect...None.
Contractor...L. W. Anderson, 1410 Fair-
view, Oakland.
COST, \$2500

FRAME DWELLING
(1912) POINT ON SW EXTENSION OF
SE line of private road, sudvey 664
176.04 SW of W Cor. of 5.063 acre
tract owned by Elijah Higham SW
50 SW 271.92 NE 50 NW 217.92, Oak-
land. All work for one-story frame
dwelling.

Owner.....C. L. Mackie, 1004 Peralta
Ave., Oakland.
Architect...None.
Contractor...M. C. Vaughn, 5833 Ayala
Ave., Oakland.

Filed Aug. 8, '16. Dated July 18, '16.
Frame up 1/4
Plastered 1/4
Completed 1/4
Usual 35 days..... 1/4

TOTAL COST, \$2238
Bond, none. Limit, 90 days. Forfeit,
\$1. Plans and specifications filed.

RESIDENCE

(1919) W MANOR DRIVE 150 N Brown
Piedmont. Two-story 9-room resi-
dence and garage.

Owner.....Mrs. E. Rose, 5801 Dover,
Oakland.
Architect...None.
Day's work..... COST, \$5000

DWELLING

(1920) N GOLDEN GATE AVE 45 S
Acacia, Oakland. Two-story six-room
dwelling.

Owner.....Blake Bros. Co., Syndicate
Bldg., Oakland.
Architect...M. I. Diggs, Syndicate
Bldg., Oakland.

Day's work..... COST, \$3900

FRAME DWELLING

(1921) LOT 6 DIAMOND TERRACE,
Oakland. All work for one-story
frame dwelling.

Owner.....Mrs. Esther E. Lake, 2607
Woolsey, Berkeley.
Architect...None.

Contractor...W. R. Brookes, 2208 Hop-
kins, Oakland.

Filed Aug. 9, '16. Dated July 11, '16.
Rough frame completed and ready
for plaster\$225
Completed 200
Usual 35 days..... 203

TOTAL COST, \$628
Bond, none. Limit, 60 days after July
11. Forfeit, none. Plans and specifica-
tions filed.

ALTERATIONS

(1923) NO. 3459 RICHMOND AVE.,
Oakland. Alterations.

Owner.....L. E. Lear, Premises.
Architect...None.
Contractor...Charles Gould, 816 E-21st,
Oakland.

COST, \$400

DWELLING

(1924) S FRISBIE 65 W Walsworth
Ave., Oakland. One-story 5-room
dwelling.

Owner.....J. F. Chambers, Plaza Bldg
Oakland.

Architect...None.
Day's work..... COST, \$2500

SIDEWALK

(1925) BARTLETT AVE., Oakland. All

work for approximately 2,600 square
feet cement side walk.

Owner.....Southern Pacific Company.
Architect...None.
Contractor...Joe Costello, 1336 86th Ave
Oakland.

Filed Aug. 10, '16. Dated Aug. 10, '16.
Usual 35 days.....Total Cost
TOTAL COST, \$07 per square foot.
Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications
filed.

DWELLING

(1926) N CHABOT ROAD 1000 E Brook-
side, Oakland. One-story 2-room
dwelling.

Owner.....M. Logan, 7130 Chabot
Road, Oakland.
Architect...None.

Contractor...C. M. Charman, 309 62nd,
Oakland.
COST, \$600

ELECTRIC SIGNS

(1927) SEVENTENTH AND SAN
Pablo Aves, Oakland. Electric signs.

Owner.....Reliance Theatre, Premises
Architect...None.
Contractor...Brumfield Elec. Sign Co.,
18 7th, San Francisco.

COST, \$900

DWELLING

(1928) E JEAN 150 S Santa Clara Ave.
Oakland. One-story 5-room dwelling

Owner.....L. A. Kellogg, 3404 Cham-
pion, Oakland.

Architect...None.

Day's work..... COST, \$2500

DWELLING

(1929) W JEAN 10 S Sunnyslope, Oak-
land. Two-story 6-room dwelling.

Owner.....Chas. D. Hart, 615 22nd,
Oakland.
Architect...None.

Day's work..... COST, \$2300

DWELLING

(1930) NW EUCLID AND WARWICK,
Oakland. Two-story 9-room dwelling

Owner.....G. Rossi, 492 Chetwood,
Oakland.
Architect...A. W. Smith, 1010 Broad-
way, Oakland.

Day's work..... COST, \$4850

FRAME GYMNASIUM

(1931) PTN LOTS 12 AND 13 BLK "F"
Revised Map Piedmont Park, con-
taining 3.79 acres, Piedmont. All
work for frame gymnasium.

Owner.....Miss Ransom and Miss
Bridges School, Nr End
Hazel Ave., Oakland.

Architect...Julia Morgan, Merchants'
Exchange Bldg., S. F.
Contractor...William L. Boldt, 2610
Grove, Berkeley.

Filed Aug. 11, '16. Dated Aug. 11, '16.
3rd business days of each month 75%
Usual 35 days..... 25%

TOTAL COST, \$8000
Bond, \$4000. Sureties, Geo. H. Derrick
and F. S. Bodle. Limit, 50 days. Forfeit,
none. Plans and specifications filed.

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Amt.
1901	Nilson	Peterson	1800
1902	French	Patrick	4000
1911	Palache	Lawton	7382

(1901) NO. 2220 SACRAMENTO, Ber-
keley. One-story 6-room dwelling.

Owner.....O. Nilson, Premises.
Architect...None.
Contractor...C. Peterson, 1200 E-24th,
Berkeley.
COST, \$1800

DWELLING

(1902) NO. 818 ARLINGTON AVE.,
Berkeley. Two-story 9-room dwlg.

Owner.....J. S. French, 1955 Napu,
Berkeley.
Architect...None.

Contractor...O. M. & H. G. Patrick, 2001
Hopkins, Berkeley.
COST, \$4000

FRAME DWELLING

(1911) W 50 LOT 18 BLK 8, Clare-
mont, Berkeley. All work for two-
story and basement frame dwelling.

Owner.....Mrs. E. L. Palache, 2535
Green, San Francisco.
Architect...Henry H. Guttererson, 278
Post, San Francisco.

Contractor...Lawton & Vezey, 357 12th,
Oakland.

Filed Aug. 8, '16. Dated Aug. 7, '16.
Frame up 1/4
Brown coated 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4

TOTAL COST, \$7382
Bond, none. Limit, 90 days after Aug.
10. Forfeit, \$2. Plans and specifica-
tions filed.

Building Contracts Awarded

Alameda

1900	Union Iron	Lange	75000
1913	Turrell	Stolte	2000
1914	Vallerga	McRae	2550
1915	Meill	Meill	600
1916	Stoddard	McRae	500
1917	Donnelly	Richards	400
1918	Smith	Smith	400
1922	Lowell	Ahnfeld	405

SHOP

(1900) NO. 2308 WEBSTER, Alameda.
Plate shop.

Owner.....Union Iron Works, 20th and
Michigan, San Francisco.

Architect...L. Posener, Mills Bldg.,
San Francisco

Contractor...Lange & Bergstrom, Shar-
on Bldg., San Francisco.
COST, \$75,000

DWELLING

(1913) W MORTON 150 S Pacific, Ala-
ameda. One-story 5-room dwelling.

Owner.....H. M. Turrell, 841 Walker
Ave., Oakland.

Architect...None.
Contractor...F. C. Stolte, 3449 Laguna
Ave., Oakland.
COST, \$2000

DWELLING

(1914) E BROADWAY 50 N Calhoun,
Alameda. One-story 6-room dwelling

Owner.....N. Vallerga, Foot of Broad-
way, Alameda.

Architect...None.
Contractor...C. W. McRae, 2315 Encinal
Ave., Alameda.
COST, \$2550

AVIARY

(1915) — CENTRAL AVE 150 W Wal-
nut, Alameda. Aviary.

Owner.....A. J. Meill, 2163 Alameda
Ave., Alameda.
Architect...None.

Day's work..... COST, \$600

(1916) NO. 1416 SANTA CLARA AVE.,
Alameda. Alterations.

Owner.....Mrs. Stoddard, Premises.
Architect.....None.
Contractor.....C. W. McRae, 2315 Enchal
Ave., Alameda.
COST, \$500

ALTERATIONS

(1917) NO. 1210 LINCOLN AVE., Ala-
meda. Alterations.
Owner.....W. C. Donnelly, Premises.
Architect.....None.
Contractor.....S. D. Richards, 1611 Bay,
Alameda.
COST, \$400

ADDITION

(1918) NO. 1643 TODD, Alameda.
Addition.
Owner.....Mrs. Mary Smith, Premises.
Architect.....None.
Day's work. COST, \$400

REPAIRS

(1922) NO. 1626 OXFORD, Berkeley.
Repairs.
Owner.....Mrs. Lowell, Premises.
Architect.....None.
Contractor.....Henry Ahnfeld, 3005 King
Berkeley.
COST, \$105

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Aug. 8 1916—LOT 75 MAP 4th Ave
Terrace Ext., Okd. Walter H Lei-
mert as to improvements on leased
property

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED

ACCEPTED

Aug. 3, 1916—LOT 8 BLK 11 Resbryn
Biks 9, 10, 11, 12, 13, 14 and ptn
Blk 16 Rock Ridge Terrace, Okd.
E A Drew to E M Reagh, July 31, '16
Aug. 3, 1916—S FIFTIETH 165-225 E
Shafter; being Nos. 333-385 50th,
Okd. Mrs. George P Morrow to
Harry Ahnfeld.....July 28, 1916
Aug. 3, 1916—E FRUITVALE AVE 80
S Hyde 40x120; being No. 2522
Fruitvale Ave, Okd. Alice L Dou-
glass to Chas E Quigley.....Aug. 1, 1916
Aug. 4, 1916—S 22.97 LOT 63 and N
41.03 Lot 64 Map Piedmont Manor,
Piedmont. Walter H Creighton to
whom it may concern.....Aug. 3, 1916
Aug. 4, 1916—SE THIRTEENTH AVE
35-4 SW E-33rd SW 76-8 E 114 N
31-8 W to pt beg, Okd. William
W Rednal to George Hudson.....
.....July 26, 1916
Aug. 4, 1916—S BANCROFT WAY 450
E Dana. Bkly. N R Davidson to
Janson Iron Works.....Aug. 3, 1916
Aug. 8, 1916—S HARWOOD AVE 48.33
W Ross SE 79.47 SW 42 NW to
Harwood Ave E 42.815, Oakland.
Leonard Asumaa to whom it may
concern

.....Aug. 7, 1916
Aug. 8, 1916—LOT 13 BLK 9 Map
Herzog Tract, Golden Gate, Oak-
land Tp. Elizabeth Brown to Louis
Engler

.....Aug. 8, 1916
Aug. 9, 1916—PT 213.97 S intersection
Santa Rita Ave and High thence
along W line High 40 W 105, Okd.
I Ariel Kellogg to whom it may
concern

.....Aug. 8, 1916
Aug. 9, 1916—E 40 LOT 40 Map Col-
lege Court, Okd. F F Morse to O
G Smith.....Aug. 4, 1916
Aug. 11, 1916—SW CHERRY 100 SE

96th Ave 11x100, Okd. George Fer-
guson to E E Wells.....Aug. 10, 1916
Aug. 11, 1916—NE 35x100 in depth
Lot 16 Blk 19, Warner Tract, Okd.
George Ferguson to E E Wells.....
.....Aug. 1, 1916

LIENS FILED

ALAMEDA COUNTY.

Aug. 7, 1916—S CENTRAL AVE 423-5
W Webster E 752-1 S 1 deg 35 min
W to S line described in patent
made by U. S. to Antonio Marie
Peralta W to pt S 1 deg 35 min W
from pt beg N 1 deg 35 min E to pt
beg and Lots 22, 25, 26, 27 and ptn
Lots 23 and 24 Section 11 and Lot 6
Sec 14 Tp 2 S Range 4 W M D M
Map Sale Map No. 10 of Salt Marsh
and Tide Lands, Alameda. C S
Christensen vs Surf Beach Amuse-
ment Co and A T Spence.....\$17.50
Aug. 8, 1916—S "E" 40.94 E 86th Ave
35x117, Okd. Bay Wrecking Co vs
E C Venn, Hite H Grove, John and
Jane Doe, Black & White Co.\$274.21
Aug. 8, 1916SE BROADWAY & NE
Taft Ave NE 31xSE 83, Okd. Geo
D Prentice vs J C O'Connor and
Francis W Hüller.....\$124.50
Aug. 8, 1916—NW FIRST AND L N
48.11xW 142, Livermore. P B An-
spacher, \$114.65; F W Tretzel,
\$154.25; J R Wright, \$203; Pete
Cigliatti, \$76.50 vs W H Taylor &
Company

Aug. 8, 1916—LOT 1 BLK "A" Map
Huntington Tract at SE Cor E-14th
and High, Okd. George W Scad-
dan vs Charles Harrison and F C
Gardner

.....\$61.85
Aug. 9, 1916—S CENTRAL AVE 423-5
W Webster S 752-1 SW 1 deg 35 min
to line patent made by U. S. to An-
tonio Maria Peralta W to pt S 1 deg
35 min W from Pt beg N 1 deg 35
min E to begin, Alameda. A W
Russell vs S Gordon, Henry Chris-
tophel, E M McConnell, C L Wil-
liams, Surf Beach Amusement Co,
R W Lucas and S F Walter.....\$95.85
Aug. 11, 1916—LOT 15 BLK "F" Map
Piedmont Vista, Piedmont. H L
Manning (Oakland Line & Cement
Co) vs O M Bullock and Susan Mills
Smith

.....\$122.50
Aug. 11, 1916—NW TWENTY-THIRD
Ave 100 SW E-15th SW 50 NW 150
NE 50 SE 39-11 SW 1 SE 12-6 NW
1 SE 97-7, Okd. Jos Filtner vs
Mrs M A and E J Koenig.....\$338.40
Aug. 11, 1916—NW FIRST AND "L"
N 48.11xW 142, Livermore. Geo.
Chester M and Roy Beck vs W H
Taylor Co

SAN JOSE AND THE SANTA CLARA VALLEY

STREET IMPROVEMENT—Cost not
stated. Salinas, Monterey Co., Cal. En-
gineer, City Engineer, Salinas. Own-
ers, City of Salinas. Bids will be
opened on August 21st for grading the
roadway and constructing thereon a
hydraulic cement concrete base with
a two-course asphaltic and screening
surface with concrete curbs.

STREET IMPROVEMENT—Cost not
stated. Salinas, Monterey Co., Cal. En-
gineer, City Engineer, Salinas. Own-
ers, City of Salinas. Bids will be
opened on August 21st for the improve-
ment of Riker street, from Alisal street
to its termination at the south line of

the 3000-foot property, by grading and
constructing a waste rock surface, to-
gether with concrete curbs and gut-
ters along both sides of the roadway.

HOSPITAL ADDITION — 1 story,
frame, \$7,000. San Jose, Santa Clara
Co., Cal. Architect, William Binder,
Rea Bldg., San Jose. Owners, Santa
Clara Co. Will contain new ward and
operating room. Plans being prepared.

SCHOOL ADDITIONS—2, 1 story,
frame and concrete. Cost not stated.
San Jose, Santa Clara Co., Cal. Archi-
tect, William Binder, Rea Bldg., San
Jose. Owners, City of San Jose. Plans
complete and figures being taken. Bids
close on August 28th. Plans from archi-
tect.

SCHOOL—1 and 2 story and base,
reinforced concrete, \$16,000. San Ma-
teo, San Mateo Co., Cal. Architect, Will
H. Toepke, 16 Kearny street, S. F.
Owners, City of San Mateo. Prelimi-
nary plans for a manual training de-
partment to be erected at the San Ma-
teo High School have been prepared.
Construction depends on the people of
the district voting bonds.

DEPARTMENT STORE—2 story and
base, reinforced concrete \$16,000 to
\$50,000. Hollister, San Benito Co., Cal.
Architect, William Binder, Rea Bldg.,
San Jose. Owners, Grangers' Union.
Will cover an area of 140 by 100 feet.
Plans being prepared.

Contracts Awarded.

STREET IMPROVEMENTS — \$19,-
597.55. South San Francisco. Engi-
neer, City Engineer, South San Fran-
cisco. Owners, South San Francisco.
Contractors, City Street Improvement
Co., 166 Geary street, S. F. Contract
price, \$19,597.55.

SEWER CONSTRUCTION — \$6,633.
San Jose, Santa Clara Co., Cal. Engi-
neer, City Engineer, San Jose. Own-
ers, City of San Jose. Contractor, W.
F. Edwards, San Jose. Contract price,
\$6,633.

STREET IMPROVEMENT—Cost not
stated. Salinas, Monterey Co., Cal.
Engineer, City Engineer, Salinas. Own-
ers, City of Salinas. Contractor, W. A.
Dontonville, Salinas. Contract price
not stated.

BUILDING CONTRACTS

SAN MATEO COUNTY.

WATER SUPPLY SYSTEM

SAN MATEO AND SAN FRANCISCO
Counties. All work for installation
of water supply and distribution sys-
tem.
Owner.....Lakeside Golf Club, S. F.
Engineers.....Galloway & Markwart,
723 21st National Bank Bldg
San Francisco.

Contractor, The Turner Co., 272 Na-
tional Bldg., San Francisco.
Filed Aug. 8, '16. Dated Aug. 4, '16.
Payments of75% and 25%
TOTAL COST, \$22,500
Bond, \$12,000. Surety, Massachusetts
Bonding & Insurance Co. Limit, 75
days. Forfeit, none. Plans and speci-
fications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED
Aug. 7, 1916—NO. 18 LASSEN ST.
Stanford Campus, Delta Kappa
Epsilon Association to G K Beta

sche July 28, 1916
 Aug. 10, 1916—LOT 2 Morrison Trct.,
 San Jose. J B Clayton to Geo.
 Lindblom.....Aug. 10, 1916
 Aug. 8, 1916—NO. 1135 BRYANT ST.,
 Palo Alto. Lillie Parks Gunnell
 to R W Folmer.....Aug. 1, 1916

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED
 Aug. 7, 1916—EASTERLY PTN LOTS
 29 and 30 Blk 19 Sub No. 1 Crocker
 Estate Tract. Josephine MacMillen
 to whom it may concern. Aug. 5, 1916
 Aug. 9, 1916—"OAK KNOLL MANOR,"
 Redwood City. (Street work). Geo
 H Irving Co to J P Holland.....
Aug. 3, 1916
 Aug. 9, 1916—LOT 5 BLK 2, San
 Mateo Park, San Mateo. John
 Duffield to whom it may concern
Aug. 8, 1916
 Aug. 9, 1916—LOTS 6 AND 8 BLK 27
 Redwood Highlands. Redwood.
 Redwood Highlands Co to whom it
 may concern.....Aug. 5, 1916

LIENS FILED

SAN MATEO COUNTY.

RECORDED AMOUNT
 Aug. 8, 1916—ACACIA DRIVE AND
 Edgell Drive, Burlingame. Croop
 & Keegan vs Charles A Green....
\$565.50

MARIN, CONTRA COSTA AND SONOMA COUNTIES

BRIDGE EXTENSION—Reinforced
 concrete. Cost not stated. San Rafael,
 Marin Co., Cal. Engineer, City Engi-
 neer, San Rafael. Owners, Marin
 County. Bids will be opened on August
 28th for construction of a reinforced
 concrete extension of the C street
 bridge over Mahon Creek.

STREET PAVING—Cost as follows.
 San Rafael, Marin Co., Cal. Engineer,
 City Engineer, San Rafael. Owners,
 City of San Rafael. The City Council
 has agreed to have two blocks of
 Western Roadlite asphalt pavement
 placed on G street, between West End
 Station and 5th avenue, as an experi-
 ment. The following bids were re-
 ceived for doing the work: Western
 Motor Draying Co., 1444 Church street,
 S. F., 2.1c a foot; A. H. Kopperud, 2650
 11th street, Oakland, 2c a foot. Bids
 were referred to the City Manager.

STREET PAVING—Cost not stated.
 San Rafael, Marin Co., Cal. Engineer,
 City Engineer, San Rafael. Owners,
 City of San Rafael. Bids will be open-
 ed on August 28th for street paving
 authorized under the following resolu-
 tion: That a concrete sidewalk 5
 feet wide be laid along the following
 named streets, to wit: On the west
 side of Grant avenue between 4th and
 Watt avenue; north side of 1st between
 Shaver and Hayes streets; west side of
 Shaver street between 1st and Minne
 streets; south side of Bay View street
 between C and D streets; north side of
 Frances street between D and E Sts.;
 east side of E street between 1st and
 2nd streets; east side of Grand avenue
 between Highland and Acacia avenues.

FLOATING CRANE—\$500,000. Mare
 Island, Cal. Engineer, Bureau of Yards
 and Docks, Washington, D. C. Owners,
 United States Government. The Bureau
 of Yards and Docks at Washington, D.
 C., has completed plans for the big
 floating crane to be constructed at the
 Navy Yard at Mare Island. Bids will
 be called for when the Naval Bill
 passes Congress. The crane will be
 similar in design to the one installed
 at the Norfolk Navy Yard at a cost of
 \$500,000.

HIGHWAY IMPROVEMENTS—Cost
 not stated. Fairfield, Solano Co., Cal.
 Engineer, County Surveyor, Fairfield.
 Owners, Solano County. The County
 Clerk was directed to advertise for
 bids for graveling a part of Road 179,
 District 1, the specifications having
 been adopted. The bids to be opened
 on September 5th at 11 o'clock.

RESIDENCE—2 story and base,
 frame, \$7,500. Colusa, Colusa Co., Cal.
 Architect W. H. Ratcliff, Jr., First National
 Bank Bldg., Berkeley. Owner,
 J. L. Langdon. Will contain eight
 rooms, two baths and sleeping porches.
 Plans complete and figures being
 taken.

STORE—1 story, brick. Cost not
 stated. San Anselmo, Marin Co., Cal.
 Architects, O'Brien Bros., 240 Montgo-
 mery street, S. F. Owners, name
 withheld. Will contain two small
 stores. Revised plans complete and
 figures being taken.

Contracts Awarded.

BRIDGES—3, reinforced concrete.
 Cost as follows. Fairfield, Solano Co.,
 Cal. Engineer, County Surveyor, Fair-
 field. Owners, Solano County. Con-
 tractors, Baker & Martin, Sheldon
 Bldg., S. F. Contract prices, Week-
 worth bridge, \$770; Alamo bridge, \$1-
 977, and McCune bridge, \$1,577.

WATER PIPE—\$2,000. Healdsburg,
 Sonoma Co., Cal. Engineer, City Engi-
 neer, Healdsburg. Owners, City of
 Healdsburg. Contractor, A. W. Garrett,
 Healdsburg. Contract price, \$2,000.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

COTTAGE
 SECOND AND BISSELL, Richmond.
 Cottage.
 Owner.....P. Braghetta, 1526 E-Oak
 St., Stockton.
 Architect...None.
 Contractor...E. A. F. Carson, 4323 19th,
 San Francisco.
 COST, \$1400

COTTAGE
 SECOND, bet. Bissell and Chanslor
 Sts., Richmond. Cottage.
 Owner.....P. Braghetta, 1526 E-Oak
 St., Stockton.
 Architect...None.
 Contractor...E. A. F. Carson, 4323 19th
 St., San Francisco.
 COST, \$1400

COTTAGE
 SIXTH, bet. Nevin and Barrett Sts.,
 Richmond. Cottage.
 Owner.....E. P. La Selle, 153 3rd St.,
 Richmond.
 Architect...None.
 Contractor...N. E. Anderson, 1104 Bar-
 rett Ave., Richmond.
 COST, \$1800

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
 Aug. 4, 1916—SAUSALITO, Frederick
 S Schnell and Lena Schnell Soren-
 son to Brode Iron Works.Aug. 3, 1916
 Aug. 4, 1916—IGNACIO, California
 Fruit Canners' Association to Jos
 Pattenison.....July 31, 1916
 Aug. 9, 1916—SAN ANSELMO, Fred-
 erick Croker to J E Warner.....
Aug. 3, 1916..

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

SANITARY SEWER—Cost not stat-
 ed. Fresno, Fresno Co., Cal. Engineer,
 City Engineer, Fresno. Owners, City
 of Fresno. Bids will be opened on
 September 5th for the construction of
 a complete new sanitary sewer sys-
 tem. Plans on file at office of City
 Engineer.

LIGHTING SYSTEM—\$9,100. Fresno,
 Fresno Co., Cal. Engineer, City Engi-
 neer, Fresno. Owners, City of Fresno.
 All bids received for furnishing and
 installing ornamental light standards
 and a conduit system in Courthouse
 Park have been rejected. The lowest
 bid was for \$12,957, while the esti-
 mated cost was \$9,100. What action is
 to be taken is not stated.

STREET PAVING—Cost not stated.
 Fowler, Fresno Co., Cal. Engineer,
 Jensen, Fresno. Owners, City of Pow-
 ler. The City Council at its last meet-
 ing adopted plans and specifications
 for the paving of 8th street, which is
 the missing link in the state highway.
 Two resolutions were passed leading
 up to the advertising for bids. In
 order to hurry things along the board
 will meet shortly to dispose of some
 matters regarding the highway and
 the call for bids will probably be made
 at that time.

STREET IMPROVEMENT—Cost as
 follows. Visalia, Tulare Co., Cal. En-
 gineer, City Engineer, Visalia. The
 Federal Construction Co., Sharon Bldg.,
 S. F., has been awarded a contract at
 12c per square foot for paving South
 Garden street.

HIGHWAY CONSTRUCTION—\$100-
 000. Hanford, Kings Co., Cal. En-
 gineer, County Surveyor, Hanford. Own-
 ers, Kings County. Contractors,
 Thompson Bros., Fresno. Contract cov-
 ers the construction of 1 1/2 miles of
 county highway. Contract price, \$55-
 875.18, the county to furnish all ma-
 terials.

HIGHWAY IMPROVEMENTS—Cost
 as follows. Bakersfield, Kern Co., Cal.
 Engineer, County Surveyor, Bakers-
 field. Owners, Kern County. Bids
 were opened by the Board of Super-
 visors for the paving of two pieces of
 roadway, one a two-mile stretch on
 the Bellevue road and the other on
 the Bakersfield-Glenville road. The
 contract for the paving of a section of
 Bellevue road was awarded to Castro
 & Blaisdell, Bakersfield, for the sum
 of 6.8c per foot for asphaltic wearing
 surface. The contract for the con-
 struction of Glenville road was award-
 ed to Benson & Sons, Kingsburg, for
 \$10,223.98.

WATER PIPE—Cost not stated. Ma-
 dera, Madera Co., Cal. Engineer,
 County Surveyor, Madera. Owners, Ma-
 dera County. Bids will be opened on

August 23rd for furnishing 1,600 feet of 6-inch, medium-weight, cast iron water main pipe for immediate delivery.

SCHOOL—1 story and base, brick. Cost not stated. Visalia, Tulare Co., Cal. Architects, Ernest J. Kump, Rowell Bldg., Fresno. Owners, City of Visalia. All bids received for this building were in excess of the amount available and were taken under advisement. D. B. Day, Woodlake, presented the lowest figure at \$14,087.

Contracts Awarded

SCHOOL—1 story and base. Class C construction, \$44,000. Wasco, Kern Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, City of Wasco. Contractors, Ward & Goodwin, 110 Jessie street, S. F. Contract price, \$44,000.

BUILDING CONTRACTS

FRESNO COUNTY.

ALTERATIONS

LOTS 30, 31 AND 32 BLK 83, Fresno.

Alterations.

Owner.....Einstein Invest Co., Tulare and K Sts., Fresno.

Architect...None.

Day's work. COST, \$3000

DWELLIN

LOTS 19 AND 20 BLK 4, Fresno. All work for dwelling.

Owner.....O. B. Doyle, Rowell Bldg., Fresno.

Architect...None.

Contractor..S. L. Allen, 3404 Elmorte St., Fresno.

COST, \$2700

STORE

LOT 11 BLK "B" Sronce Addition, Fresno. All work for store.

Owner.....E. B. Lane, 218 Howard St., Fresno.

Architect...None.

Contractor..W. J. Foster, 1645 G St., Fresno.

COST, \$1000

LOTS 14, 15 AND 16 BLK 113, Fresno.

Alter church building.

Owner.....First Baptist Church, N & Merced Sts., Fresno.

Architect...None.

Contractor..C. Samuelson, 367 Jensen St., Fresno.

COST, \$4000

DWELLING

LOTS 41 AND 42 BLK 2, Hartley Addition, Fresno. All work for dwelling.

Owner.....A. D. Harrison, 2860 Washington St., Fresno.

Architect...None.

Contractor..Reese & Atkins, 743 Weldon St., Fresno.

COST, \$2000

ALTERATIONS

HORACE MANN SCHOOL DISTRICT. Fresno. Remodeling and addition to school.

Owner.....Trustees of Horace Mann School District.

Architect...E. Mathewson.

Contractor..T. M. Paulsen, 3650 Illinois St., Fresno & P. T. Stange, 263 M St., Fresno.

Filed Aug. 8, '16. Dated Aug. 7, '16.

On completion.....75%

Usual 35 days.....25%

TOTAL COST, \$1440

London, none. Limit, 45 working days. Forfeit, \$10. Plans and specifications filed.

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED

Aug. 7, 1916—S ½ OF S ½ OF LOT 9

Kingsburg Col., Fresno Co. Kings-

burg Joint Union High School Dis-

trict to Trehitt-Shields Co.....

.....Aug. 4, 1916

ACCEPTED

LIENS FILED

FRESNO COUNTY.

RECORDED

Aug. 8, 1916—LOT 25 BLK 1 Maple

Park, Fresno, Lee R Duncan vs

Kenneth J Staniford.....\$1042

AMOUNT

NOTICE OF NON-LIABILITY.

FRESNO COUNTY.

Aug. 4, 1916—N ¼ OF SEC 22, 19-18,

Fresno. M J Olmstead as to im-

provements on leased property....

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

ROAD CONSTRUCTION—Cost not stated. Sacramento, Cal. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Owing to the absence of any bids on the work, Supervisor J. A. Russi was instructed to proceed with the improvement of a stretch of county road leading to Folsom Prison. The work has been advertised, but no bids were submitted.

STREET PAVING—Cost not stated. Tracy, San Joaquin Co., Cal. Engineer, City Engineer, Tracy. Owners, City of Tracy. Plans and specifications for the grading and graveling of 9th and 10 streets, also portions of 7th, 8th, A, B, C, D, E, and F streets were adopted and bids for doing the work have been asked for and will be opened August 17th at 8:30 p. m.

FURNISHING CEMENT—Cost not stated. Placerville, El Dorado Co., Cal. Engineer, City Engineer, Placerville. Owners, City of Placerville. Bids will be received on August 19th at 9 p. m. for furnishing cement to be used during the construction of street improvements.

STREET IMPROVEMENTS—Cost not stated. Placerville, El Dorado Co., Cal. Engineer, City Engineer, Placerville. Owners, City of Placerville. Bids will be opened on August 19th for paving the main street from west to the east city limits. All bids are to be compared on the basis of the engineer's estimate of the quantity of work to be done as follows: (1) 5,280 cubic yards of grading (excavation and filling); (2) 2,533 cubic yards of concrete (foundation); (3) 6,20 cubic yards of concrete (parapet, walls, culverts); (4) 182,400 square feet of sheet asphalt wearing surface; (5) 182,400 square feet of asphalt macadam wearing surface; (6) 182,400 square feet of bituminous mastic wearing surface; (7) 182,400 square feet of Topeka sheet asphalt wearing surface; (8) 157,328 square feet of roadmanite and screening wearing surface; (9) 157,328 square feet of bitucrete wearing surface; (10)

157,328 square feet of asphaltic oil and screening wearing surface (11) 1,020 square feet of basalt block pavement

SEWER CONSTRUCTION—Cost not stated. Placerville, El Dorado Co., Cal. Engineer, City Engineer, Placerville. Owners, City of Placerville. Bids will be opened on August 19th for constructing concrete curbs, gutters and round corners, constructing manholes and gutter drains and constructing drainage sewers and concrete culverts. All bids are to be compared on the basis of the engineer's estimate of the quantity of work to be done as follows: (1) 110 linear feet of concrete gutter alone; (2) 150 linear feet of concrete gutter alone; (3) 150 linear feet of curb and gutter combined; (4) 90 linear feet of curb reconstructed; (5) 130 linear feet of curb and gutter reconstructed; (6) 1,095 linear feet of gutter reconstructed; (7) 50 linear feet of 6-inch sewer pipe constructed in place; (8) 25 linear feet of 8-inch sewer pipe constructed in place; (9) 175 linear feet of 10-inch sewer pipe constructed in place; (10) 3 concrete manholes completed; (11) 163 linear feet of concrete culvert for approaches at street intersections and buildings; (12) 10 cast iron gutter drains constructed in place; (13) 385 cubic feet of reinforced concrete; (14) 1,050 pounds reinforcing steel.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been let under the following resolutions: That Sacramento avenue from the south line of Y street to the north line of Magnolia avenue be improved by constructing concrete curb, concrete gutter, placing 6-foot cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; two concrete manholes and 6 and 8-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb, constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface. Awarded to Clark & Henery Construction Co., Oschner Bldg., Sacramento.

That Y street from the east line of 30th street to the east line of 31st street be improved by constructing concrete curb, concrete gutter, placing two cast iron gutter drains with 6-inch vitrified, ironstone sewer pipe elbows attached; 6-inch, vitrified, ironstone sewer pipe drains; grading the space between the property lines and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic concrete wearing surface 1½ inches thick. Awarded to Clark & Henery Construction Co., Oschner Bldg., Sacramento.

That 12th street from the north line of R street to the north line of W street be improved by reconstructing three concrete manholes and four concrete catch basins; grading the roadway and constructing thereon an asphaltic concrete foundation 4 inches thick and an asphaltic cement flush coat and an asphaltic concrete wear-

ing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

ROAD CONSTRUCTION—Cost not stated. Oroville, Butte Co., Cal. Engineer, County Surveyor M. C. Polk, Oroville. Owners, Butte County. The bid of J. L. Mery for the construction of a road into the rice district has been rejected by the Board of Supervisors. Mery's bid for the work was \$7,700. He informed the County Surveyor that he could do the work for about \$1,000 less than his bid, and the action of the Supervisors followed. New bids have been called for and will be opened on August 28th.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on August 22nd for street improvements authorized under the following resolutions: That the alley next west of Sherman avenue, from V street to Upper Stockton road, and the alley south of Mier & Sowell's High School Tract, from Sherman avenue to 34th street, be improved by excavating a trench and constructing therein an 8 and 10-inch, vitrified, ironstone pipe sewer; constructing five concrete manholes and placing two flusher branches; placing 6-inch, vitrified, ironstone Y branches and 10 and 8-inch, vitrified, ironstone pipe sewer; backfilling all trenches.

That the alley between L and M streets, from 4th to 5th street be improved by constructing 493 linear feet of concrete curb wall; constructing one concrete catch basin; reconstructing one concrete manhole; placing six linear feet of 8-inch, vitrified, ironstone sewer pipe drain; grading the alley and constructing thereon an asphaltic pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphaltic wearing surface 1½ inches thick.

That 34th street from Park avenue to 7th avenue be improved by excavating a trench and constructing 8, 10 and 24-inch, vitrified, ironstone pipe sewer, backfilling all trenches and construct four concrete manholes complete with cast iron curbs and covers.

That Brough avenue from J street to a point 566 feet north thereof be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with twenty 6-inch, vitrified, ironstone Y branches; one concrete manhole complete; placing one 6-inch flusher branch complete and backfilling the trench.

That 1st street from F street to the alley between G and H streets, be improved by excavating a trench and constructing therein 8 and 10-inch, vitrified, ironstone pipe sewer, backfilling the trenches and constructing two concrete manholes complete with cast iron curbs and covers.

STREET IMPROVEMENTS—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Bids will be opened on August 22nd for street improvements authorized under the following resolutions: That Scotts avenue from Lincoln street to Monroe street; Van Buren street, from Taylor street to Hazelton avenue; Monroe street, from Taylor street to Hazelton avenue, be improved by grading, curbing and guttering with combined con-

crete curb and gutter, curb 6 inches wide and 12 inches deep, and the gutter 24 inches wide and 6 inches thick. Paving the roadway of each street with asphalt concrete 4 inches thick after rolling on a base of gravel of a cementing nature, 2 inches thick after rolling. The asphalt concrete shall consist of two layers, a base layer of 2½ inches thick after rolling and a wearing surface of 1½ inches thick after rolling. The 2½-inch layer shall be composed of asphaltic cement, sand, gravel or crushed rock and screenings proportioned in such quantities as will give a compact and homogeneous concrete. The 1½-inch layer shall be composed of asphaltic cement, sand, gravel or crushed rock and stone dust mixed according to the Topeka Specifications.

BRIDGE—Reinforced concrete, \$1,270. Marysville, Yuba Co., Cal. Engineer, County Surveyor, Marysville. Owners, Yuba County. Bids will be received by the Board of Supervisors of Yuba County until September 6th, 1916, for the construction of the reinforced concrete bridge to be erected over Dry Creek at Spencerville, connecting Yuba and Nevada Counties.

BRIDGE—Reinforced concrete, \$4,000. Chico, Butte Co., Cal. Engineer, County Surveyor, Chico. Owners, Butte County. F. A. Phillips and Charles Self, successful bidders on the bridge to be erected over Little Chico Creek at Salem street, Chico, have withdrawn their bid of \$3,628.42, as they found they bid too low and would lose money on the contract. Other bidders were: E. Graessler, \$4,468; J. L. Mery & Co., \$4,000; T. H. Polk, \$4,243. A call for new bids has been issued.

RESIDENCE—2 story and base, frame, \$5,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, A. R. Lyon. Location, north El Dorado near Maple. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

RESIDENCE—1 story and base, frame, \$2,100. Sacramento, Cal. Architect, none. Owner, W. P. Cipps, 314 21st, Sacramento. Location, 2630 Urban Court. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That the alley between B street and C street from 12th to 13th street, be improved by constructing one concrete catch basin complete, 560 linear feet of concrete curb wall, 8 linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catch basin to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGilivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between E street and F street, from 12th to 13th street, be improved by constructing two concrete catch basins complete, placing 12 linear feet of 8-inch, vitrified, ironstone sewer pipe drains connecting catch

basins to sewer, grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGilivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between I and J Sts., from 13th to 14th streets, be improved by constructing a concrete retaining wall on both sides of the alley from the east line of 13th street to the west line of 14th street, grading the alley and constructing thereon an asphalt pavement consisting of an asphalt macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGilivray Construction Co.

MATCH FACTORY—1 story, frame, \$100,000. Chico, Butte Co., Cal. Architect, none. Owners, Diamond Match Co. Announcement has been made of the intention of this company to increase their present large plant by the construction of buildings and installation of new machinery.

SCHOOLS—2, 1 story, hollow tile, \$27,000 and \$3,000. Placerville, El Dorado Co., Cal. Architects, N. W. Sexton & Co., Merchants' National Bank Bldg., S. F. Owners, Town of Placerville. Plans complete and figures being taken.

Contracts Awarded.

STREET PAVING—\$31,949.84. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors Federal Construction Co., Sharon Bldg., S. F. Contract price, \$31,949.84. Engineer's estimate, \$39,349.80.

ROAD CONSTRUCTION—Cost as follows. Woodland, Yolo Co., Cal. Engineer, County Surveyor, Woodland. Owners, Yolo County. Contractors, Clark & Henery, Ochsner Bldg., Sacramento. Contract price, 12½ per square foot.

BRIDGE—Timber and Concrete, \$1,210. Auburn, Placer Co., Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. Contractor, H. C. Nolt, Auburn. Contract price, \$1,210.

BRIDGE—Steel, \$2,319. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Contractor, C. E. McCartney, 1500 Lincoln street, Red Bluff. Contract price, \$2,319.

CHURCH—1 story and base, frame, \$7,708.75. Arcata, Humboldt Co., Cal. Architect, Frank T. Georgeson, Georgeson Bldg., Eureka. Owners, Arcata Presbyterian Church. Contractor, Nelson Johanson, Arcata. Contract price, \$7,708.75.

GARAGE AND SALES ROOMS—3 story and base, brick and steel, \$45,000. Sacramento, Cal. Architect, none. Owner, John Ochsner, Ochsner Bldg., Sacramento, leased to Willys-Overland Co. Location, northeast corner 13th and K streets, covering an area of 80 by 160 feet. Contractor, William Murrell, Ochsner Bldg., Sacramento. Contract price, \$45,000.

RECLAMATION WORK—\$600,000. Stockton, San Joaquin Co., Cal. Engineer, Chief Engineer Reclamation District No. 999. Owners, Reclamation

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

District No. 999, Contractors, California Delta Farms Co., Savings and Loan Bank Bldg., Stockton. Contract price, \$600,000.

SCHOOL—1 story, frame. Cost not stated. Lowrey School District, Tehama Co., Cal. Architect, none. Owners, Lowrey School District. Will contain two class rooms. Plans complete and figures to be opened on August 23rd. Plans on file at County Superintendent of Schools, Red Bluff.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

FRAME DWELLING
NO. 2509 V ST., on W ½ Lot 7 Bk U. V.,
25th and 26th Sts., Sacramento. One
story frame dwelling.
Owner.....J. Kaminsky.
Architect...None.
Contractor...T. B. Hunt, 2926 S Sts., Sac-
ramento.

COST, \$2100

ALTERATIONS
NO. 2110 HILLCREST ST., on Lot 23,
Hillcrest. Ralse dwelling.
Owner.....Philip Perak.
Architect...None.
Contractor...A. B. Clark, 3116 7th Ave.,
Sacramento.

COST, \$400

FRAME RESIDENCE
NO. 2630 URBAN COURT; Lot 17, Ur-
ban Court, Sacramento. One-story 5-
room frame residence.
Owner.....W. P. Clippa, 314 21st St.,
Sacramento.
Architect...None.
Day's work.

COST, \$2100

ALTERATIONS
NO. 3112 FOURTH AVE., on Lot 7 Bk
"M," Highland Park, Sacramento. Re-
model sleeping porch on residence.
Owner.....R. Trowbridge, 2731 I St.,
Sacramento.
Architect...None.
Contractor...R. H. Ruiter, 2715 2nd Ave
San Francisco.

COST, \$1175

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED
Aug. 3, 1916—NOS. 1009-1009 ½ AND
Nos. 1013, 1015 J St., Sacramento.
Katherine and Caroline Breuner to
George D Hudnutt.....July 29, 1916
Aug. 3, 1916—LOCATION NOT GIVEN
Board of Trustees of the Florin
School District to E E Etherton Co
.....Aug. 2, 1916

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

**Sacramento, Placerville, Nevada
City, Reno**

**SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET**

**LOS ANGELES AND SOUTHERN
CALIFORNIA**

BRIDGES — 4, reinforced concrete.
Cost not stated. Santa Barbara, Santa
Barbara Co., Cal. Engineers, May-
berry & Johnson, Santa Barbara. Own-
ers, Santa Barbara County. Plans for
four more county bridges were ordered
by the Board of Supervisors. The
bridges are to be built: Two in Toro
Canyon, Carpinteria; one in Cat Can-
yon, Siquoc, and one in Las Canoas,
or Rattle Snake Canyon, Santa Bar-
bara.

BRIDGE—Reinforced concrete, \$24,-
459.75. Santa Ana, Orange Co., Cal.
Engineer, County Surveyor, Santa Ana.
Owners, Orange County. H. Clay Kel-
logg, 122 Orange avenue, Santa Ana,
was the lowest bidder at \$24,459.75 for
the construction of a reinforced con-
crete bridge across the Santa Ana
River on Chapman avenue, about two
miles west of Orange. The bridge will
be about 564 feet in length. The county
will furnish the sand, rock, gravel
and cement. Bids were taken under
advertisement.

HIGHWAY IMPROVEMENT — \$31,-
026.10. Ventura, Ventura Co., Cal. En-
gineer, County Surveyor, Ventura.
Owners, Ventura County. Andrew Hol-
loway, Pasadena, was the lowest bid-
der at \$31,026.10 for grading and pav-
ing approximately 8.77 miles of 16-
foot roadway with 4-inch concrete on
Division 7, Santa Clara River to Somis
road. Bids taken under advertisement.

DISPOSAL PLANT—Cost not stated.
Hermosa Beach, Los Angeles Co., Cal.

Engineer, C. R. Summer, Hermosa
Beach. Owners, City of Hermosa Beach.
Bids will be advertised for about Oc-
tober 15th for the construction of a
sewage disposal plant. This improve-
ment will consist of two 100-gallon
compressed air sewage ejectors and
compressors and electric motors, which
will be required to raise 200 gallons of
raw sewage per minute against a static
head of 43 feet and through an 8-
inch cast iron force main 1,800 feet
long to the treatment plant.

RESIDENCE—2 story and base,
frame, \$26,000. Oak Knoll, Los Ange-
les Co., Cal. Architect, Myron Hunt,
Hibernian Bldg., L. A. Owner, Samuel
D. Fertig. Will contain thirteen rooms,
three baths, conservatory and sleeping
porches. Separate garage. Plans be-
ing prepared.

MARKETS—2, 2 story and base,
Class C construction. Cost not stated.
Los Angeles, Cal. Architect, John Par-
kinson, Security Bldg., L. A. Owners,
Los Angeles Union Terminal Co. Lo-
cation, 7th and Central avenue. Will
cover areas of 80 by 1250 feet and 40
by 1500 feet. Two reinforced concrete
warehouses are also included in this
scheme. Each will be six stories and
cover an area of 100 by 1250 feet.
Plans are complete and figures being
taken. Bids close September 19th.

SCHOOL—1 story and base, rein-
forced concrete, \$23,758. Victorville,
San Bernardino Co., Cal. Architects,
Lester H. Hibbard and H. B. Cody,
Marsh-Strong Bldg., L. A. Owners.



LEAVE KEY ROUTE FERRY.	
Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pitts- burg, Bay Point. Carries Ob- servation Car. Through train to Chico, Marysville, Colusa Oroville and Woodland.
8:00A	Concord, Diablo and Way Sta- tions.
9:30A	Sacramento, Bay Point, Pitts- burg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Wood- land.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa. Oro- ville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co. S. F.; People's
Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker,
2156 Telegraph Ave.; dealer in ma-
hogany, antique and all kinds of
furniture; repairs and polishing;
Telephone Oakland 9785.

Victorville Union High School District, F. O. Engstrom Co., 5th and Seaton streets, L. A., presented the lowest figures for this work and will be awarded the contract.

Contracts Awarded.

BRIDGES—3, reinforced concrete, \$20,265. Santa Barbara, Santa Barbara Co., Cal. Engineer, County Surveyor, Santa Barbara, Owners, Santa Barbara County. Contractors, W. M. Ledbetter & Co. Pacific Electric Bldg., L. A. Contract price, \$20,265.

STREET IMPROVEMENTS—\$37,967.23. Los Angeles, Cal. Engineer, City Engineer, Los Angeles, Owners, City of Los Angeles. Contractors, Fairchild-Gilmore-Wilton Co., 607 south Main street, L. A. Contract price, \$37,967.23. The same contractors have also been awarded another contract for \$10,077.55.

RESIDENCE—2 story and base, hollow tile, \$30,000. Pasadena, Los Angeles Co., Cal. Architects, Marston & Van Pelt, Chamber of Commerce Bldg., Pasadena, Owner, A. L. Garford. Location, Hillcrest avenue. Will contain sixteen rooms, five baths and sleeping porches. Separate garage. Contract awarded to W. A. Taylor, 966 Elizabeth street, Pasadena. Contract price, \$30,000.

APARTMENT HOUSE—1 story and base. Class C construction, \$100,000. Los Angeles, Cal. Architect, L. T. Mayo, Black Bldg., L. A. Owner, Harold Nutter, 1, W. Hollman Bldg., L. A. Contractor, L. T. Mayo, Black Bldg., L. A. Contract price, \$100,000.

HOSPITAL SERVICE BUILDING—5 story and base. Class A construction, \$54,745. Los Angeles, Cal. Architect, J. Schulz, Wright and Callender Bldg., L. A. Owners, Los Angeles County. Contractors, Los Angeles Plumbing Mill Co., Industrial and Mill streets, L. A. Contract price, \$54,745. Plumbing, heating, electric work, elevators and vacuum cleaning to be let under separate contract.

PORTLAND AND OREGON.

RESIDENCE—3 story and base, frame and brick. Cost not stated. Portland, Ore. Architects, Lawrence & Holford, Chamber of Commerce Bldg., Portland, Owner, Mr. and Mrs. Sherman Hall. Contractor, C. H. Pape. Contract price not stated.

CHURCH—1 and 2 story and base, reinforced concrete, \$22,000. Astoria, Ore. Architects, Whitehouse & Foulhoux, Wilcox Bldg., Portland. Owners, Astoria Methodist Church. Will contain main auditorium, Sunday school rooms and pastor's study. All bids received August 2nd have been rejected and revised plans are being prepared.

SEATTLE AND WASHINGTON

BRIDGE—Reinforced concrete. Cost not stated. South Bend, Wash. Engineer, County Surveyor, South Bend, Owners, Pacific County. Bids will be opened on August 22nd for (1) construction of a 40-foot span Luten design reinforced concrete arch bridge over Fern Creek on the National Park highway near Glohe, Wash. (2) Construction of a 75-foot span Luten design reinforced concrete arch bridge over Forks Creek on the National Park highway two miles west of Leham. (3) Clearing, grubbing, grading and

draining of about 6,000 linear feet of the North Cove Extension road in T. 15 N., R. 11 W., W. M. (4) Preparation of subgrade, draining and placing water-bound macadam surface on about 4,800 linear feet of the Columbia North Bank highway through the town of Chinook, Wash.; also grading, draining and placing water-bound macadam surface on about 1,000 linear feet of the Chinook Depot road, from its intersection with the Columbia North Bank highway to the Chinook depot.

FORTIFICATIONS—\$6,000,000. Puget Sound, Wash. Engineer, Bureau of Fortifications, Washington, D. C. Owners, United States Government. A report which comes from very reliable sources is to the effect that nearly \$6,000,000 will be spent in the near future on new fortifications in the Puget Sound, Fort Worden, Rocky Point, Point Partridge and Fort Townsend are mentioned as the positions to be strengthened. All work will be of reinforced concrete.

PIPE LINE—Cost not stated. Seattle, Wash. Engineer, City Engineer, Seattle, Owners, City of Seattle. Bids will be opened on August 18th for construction of two pipe lines in 12th avenue—North from East Denny Way to East Prospect street and removing the existing pipe lines; one of the new lines to be 36 inches in diameter and the other 42 inches in diameter.

SCHOOL—2 story and base, brick and concrete, \$70,000. Seattle, Wash. Architect, Edgar Blair, 1426 Jackson street, Seattle, Owners, City of Seattle, Syllassen & Sande, Downs Bldg., Seattle, were low on the general contract for the addition to the Madrona School at \$75,519. D. H. King low on heating at \$14,836, and Whipple & Co. low on plumbing at \$7,110.

SCHOOL—1 story and base, brick, \$16,890. Port Angeles, Wash. Architects, Stephen & Stephen, New York Bldg., Seattle. Owner, Chinacum School District. Contractor, W. T. Schrs, Port Angeles. Contract price, \$16,890.

STORES AND LOFTS—2 story and base, brick, \$35,000. Seattle, Wash. Architect, J. L. McCauley, New York Bldg., Seattle. Owners, Rainier Heat and Power Co., Contractors, Jenkins & Jones, Transportation Bldg., Seattle. Contract price, \$35,000.

THEATRE AND LODGE HALL—3 story and base, brick, \$27,000. Auburn, Wash. Architect, Frances W. Grant, Mehlfhorn Bldg., Seattle. Owner's name withheld. Will cover an area of 30 by 120 feet. Theatre to seat 600 people. Plans ready for figures within ten days.

SUPPLEMENTAL REPORT OF REFERENDUM VOTE ON NATIONAL MILITARY TRAINING.

The Los Angeles Times reports, for the period July 8 to 15, 147 votes, as follows:

In favor of National Military training	146
Against National Military Training	1
Total	147
Percentage—100.	

The Daily Pacific Builder has not reported for this week, but gave liberal editorial space to this subject, and is publishing the ballot with a special article each day, in addition to articles furnished by this Association.

The Spokesman-Review has promised to report this week.

The Washington Star has not finished the first period of its balloting, but we hope to get their count in this week also.

No report yet from the Chicago Daily News.

The Philadelphia North America opened up magnificently on July 17 and is waging a vigorous campaign for an expression of opinion throughout the section which it serves.

They promise an unusually interesting number for Sunday, as in addition to a special article and ballot, they will devote two whole pages to the publication of letters received on both sides of this question.

Too much cannot be said for the courage and leadership of the editors of the above mentioned papers.

Respectfully submitted, ASSOCIATION FOR NATIONAL SERVICE.

Fy H. H. Sheets, Secretary.

CONSTRUCTION WORK ABROAD.

SOUTH AFRICA.

Port Elizabeth Drainage Scheme.

The Port Elizabeth Town Council has decided to commence the construction of the main outfall of the new sewage system, as soon as details can be arranged.

It has been decided to let the work on contract, with the municipality appearing as an active competitor. In order to secure a uniform excellence, all materials, whether for private connections or main works, will be furnished by the municipality at cost.

The portion under consideration will be laid down with salt-glazed pipe as provided for in the original specifications. Owing to the difficulty in securing shipping space from England, the engineer has recommended an investigation of small concrete pipe and the locally made salt-glazed product.

The bond issue of \$1,460,000 to cover this construction has been 80 per cent subscribed. Plans for the remainder of the system will be completed in six months, and it is hoped that operations will be recommended immediately.

Extension of Rand Water-Supply System at Johannesburg.

Immediate steps are to be taken by the Rand Water Board of Johannesburg, which is charged with the duty of supplying water for Johannesburg and outlying Rand districts, for the completion of a scheme to greatly increase the water supply, a step which has been made necessary by the growing demands and also by the uncertainty of the present supply.

It was decided a few years ago by the Rand Water Board that the most practical means of obtaining an adequate supply of water was to take it from the Vaal River, at a distance of about 60 miles from Johannesburg, sanction to this scheme having been obtained in 1914. The outbreak of war and the consequent difficulty in the way of financing the venture necessitated an indefinite postponement of the original proposal, but the needs of the situation requiring some immediate steps to be taken, it was recently decided to proceed with the scheme in a modified form. Originally the proposal involved the impounding of 20,000,000 gallons of water in a great barrage, and the pro-

vision of a plant capable of daily pumping 10,000,000 gallons to the Rand.

The Modified Scheme—Cost of Project.

The modified scheme provides for the erection at Linderoes of the barrage as originally designed. The barrage will be composed of 36 gates, each 25 feet high and having a span of 30 feet. It will impound altogether 13,633,000,000 gallons, of which the hoard will be at liberty to abstract annually 7,300,000,000 gallons, or 20,000,000 gallons per day. The remaining 6,333,000,000 gallons are made up as follows: Evaporation, 3,382,000,000; storage for riparian owners, 1,560,000,000; water in river bed lying below suction of pumps at Vereeniging, 1,391,000,000.

The estimated cost of the whole scheme is £770,843 (\$3,751,308), but this includes pipes to the present value of about \$63,265 now in stock, which, deducted from the first figures, reduces the actual amount of cash required to complete the scheme to approximately \$3,688,043. Of that amount about \$204,293 has already been expended on preliminary surveys, the collection of data, legal and parliamentary expenses, the erection of weirs, and other minor works classified under the head of preliminary expenses. The chief engineer estimates that the whole scheme can be completed, and water from it brought into service, in three years from the date on which the construction work is actually commenced.

The following is a summary of the estimates prepared by the chief engineer, showing the cost of the scheme under certain main headings, but exclusive of interest on cost during construction:

Barrage, measuring weirs, etc	\$1,124,400
River pumping station, Vereeniging, including intake	42,798
Main pumping station, Vereeniging	291,990
Quarters for men, Vereeniging	29,199
Sundry station buildings, Vereeniging	19,466
Precipitation tanks, filters, and sterilizing plant	267,657
Service reservoirs and basin	194,660
Laying out ground, boundary walls, etc.	19,466
Railway siding, Vereeniging	7,300
Pipe lines	1,085,775
Extensions and new plant at Zwartkops station	158,161
Telephone lines	19,466
Land, wayleaves and legal expenses	224,054
Expenditures for preliminary expenses	204,392

ANOTHER FACTORY FOR OAKLAND.

OAKLAND, Cal.—Custodian John C. Hayes of the Alameda county exhibits in southern California lectured in the Los Angeles chamber of commerce recently on "What the Pay-Roll Has Done for Alameda County." As a result of that talk James A. Walker became so interested that he called on Hayes and expressed his intention of coming to Oakland to start a plant for the manufacture of portable construction houses and factories. His patents received the gold medal at the exposition in San Francisco. Walker will leave Los Angeles for Oakland this week.

SUPPLEMENTAL REPORT OF VOTE ON NATIONAL MILITARY TRAINING.

The Spokesman-Review, Spokane, Washington, reports voting on the Referendum in that district, as follows:

June 28 to July 21, total vote	611
In favor of National Military Training	562
Opposed to National Military Training	49
Percentage in favor, 92%	
Adding their former reported vote, gives us the following statement	
Votes reported June 26	245
In favor of National Military Training	236
Opposed to National Military Training	9
Percentage in favor, 97%	
RECAPITULATIONS:	
Total votes received to July 21	856
In favor of National Military Training	798
Opposed to National Military Training	56
Percentage in favor, 93%	
Respectfully submitted,	

ASSOCIATION FOR NATIONAL SERVICE.

By H. H. SHEETS, Secretary.

NEW LINE THROUGH THE CANAL.

[Panama Canal Record, July 19.]

The passage through the Panama Canal on July 15 of the passenger steamship *Hemema* of the New Zealand Shipping Co., on the way from Wellington to London, marks the establishment of this important line through the canal. Its route has formerly been around the Cape of Good Hope on the outward voyage from Great Britain and around Cape Horn on the homeward lap, the vessels going completely around the world on each voyage. It was intended to make use of the canal route some time ago, but the outbreak of the war in Europe and the closing of the canal by slides deferred the adoption of this route until now. The company has reported its intention of building new ships especially for the canal service.

The old route totaled 12,216 miles; the new route will approximate 11,130 miles via Tahiti and Colon, or 11,450 miles if the steamer sails direct to Balboa from Wellington and goes by Norfolk on the way from Colon to Plymouth.

TRADE PROMOTION WORK.

The Commercial Agent in charge of the District Office of the Bureau of Foreign and Domestic Commerce in San Francisco has received a letter from a firm in that city stating that as the result of assistance rendered by the San Francisco District Office it has succeeded in securing trial orders valued at about \$8,000, and that it believes permanent business will result. The goods were sold to firms in Shanghai, Saigon, and Rangoon.

PARCEL-POST CONVENTION WITH CHINA.

Parcel-post rates between this country and China, under the convention recently concluded by the two countries to take effect August 1, 1916, have been

announced by the United States Post office Department.

Parcel-Post packages exchanged between these countries must not weigh more than 11 pounds or measure more than 3 feet 6 inches in length, and 6 feet in length and girth combined, and in case of parcels for or from nonstream-served places in China, must not exceed 25 cubic decimeters (1 cubic foot) in volume.

Postage on parcels sent from the United States to China is at the rate of 12 cents per pound or fraction of a pound; and from China to the United States at the rate of 25 cents (Chinese currency) per pound or fraction of a pound, except that, on parcels for or from nonstream-served places in China, an additional Chinese domestic parcel postage may be levied and collected by the Chinese service. Parcel-post packages for China may be registered.

PUBLIC DOCUMENTS FOR SALE.

The following are among the publications received in stock for sale by the superintendent of documents at Washington during the week ended July 29:

lime, Its Properties and Uses (Standards Circular 30).—General methods of testing and description of the manufacture and uses to which limestone, lime, and hydrated lime are put in the various industries. Price, 5 cents.

LARGEST TUNGSTEN MILL IN THE WORLD NEARLY READY TO RUN.

August Tenth Set as Date by Which Big Plant Will be Prepared for Business.

BISHOP, Cal.—The 300-ton mill of the Tungsten Company, at Tungsten, is rapidly nearing completion, and present information is that it will be ready to crush ore on or before Thursday. All the different parts and machines of the plant have been turned over and tested one by one as installation has been completed, so that while there will undoubtedly be some final adjustment to be made, the mill will be practically ready to run almost as soon as the last artisan finishes his part of the contract.

Some ore has already been hauled over the railroad by mule power. Gasoline, instead of hay motors will be ready for use in another day or two.

There appears to be little new to report from the mines. Connection between the lower tunnel and the Little Sister shaft will soon be made. The work is all in ore.

CALIFORNIA IS SIXTH IN SOAP MAKING.

California stands sixth in the list of States in the number of establishments engaged in the manufacture of soap, according to a report issued by Director L. S. Rogers of the bureau of the census, Department of Commerce. Of the 513 establishments reported for 1914, 93 were located in New York, 58 in Pennsylvania, 44 in Massachusetts, 42 in Ohio, 33 in Illinois and 31 in California, with the remainder scattered among thirty-two States.

The total products for the year in the United States amounted to \$135,340,199 in value. Of this amount \$107,-

639,620 expressed the value of soap products alone, the remainder being for other products, including glycerine.

The 1914 product comprised 938,477,600 pounds of tallow soap, 42,512,000 pounds of olein soap, 11,063,000 pounds of foot soap, 169,925,000 pounds of toilet soap, 367,714,000 pounds of soap chips and 336,778,000 pounds of powdered; 97,746,000 pounds of other kinds of hard soap. The production of soft soap was placed at 57,002,000 pounds, and in addition there were reported special soap articles, such as soap for technical purposes and liquid soap, to the value of \$832,651.

PAYING CONTRACTORS SUE.

Mayor of Porterville and Street Superintendent Made Defendants.

VISALIA—Another attempt by the Federal Construction Company to force collection of the \$10,243.84 alleged to be due for the paving of thirteen city streets in Porterville, was started Saturday in the Superior Court, with a suit directed at President Anton Konda of the Porterville city trustees, and John L. Haze, superintendent of streets of that city. The plaintiff asks that a writ of mandate be authorized compelling that Konda, as president of the trustees, and the street superintendent to countersign the warrants for the payment of the alleged debt.

The company claims that repeated demands have been refused. "The paving was done in 1915, and over it there has arisen a great deal of trouble, the trustees refusing to make payment on the grounds that the work is improperly laid and the company not only claiming the work well done but avowing that the time limit for objections has long since passed with none raised in time.

MAJORITY OF MEN OF THE NATION FAVOR MILITARY TRAINING.

"As an evidence of the intense interest which is being excited in the territory covered by the Evening Star, Washington, D. C., in the campaign for an expression of public opinion as to the adoption of a System of National Military Training," said Lieut. Gen. S. B. N. Young, President of the Association for National Training, "I wish to present the following statement from Senator George E. Chamberlain, Chairman of the Committee on Military Affairs of the United States Senate.

"In a letter to the Association, Senator Chamberlain says, 'It affords me pleasure to inclose herewith a communication I have just received from Mr. W. L. McAtee, Secretary of the Biological Society of Washington, with which he incloses a copy of your ballot as published in the Evening Star, which has been signed by thirty-two men in his Society.'

"Mr. McAtee says in his letter to the Senator, that he had previously sent a letter of personal commendation 'in support of a Universal Military Service Bill,' and that he is now forwarding a blank vote on the subject, 'containing thirty-two names, representing twenty-two states.' Mr. McAtee writes, 'I am more than ever convinced that a vote of 90% of the men of the nation can be obtained in favor of Universal Military Training. The sooner this sentiment is crystallized

into law, the better for the country.'

"This is a fair sample of the opinion and interest expressed in this subject in letters which are pouring into the headquarters of the Association for National Training from individuals, from members of Congress, and many newspapers throughout the country.

"The Star, being the leading paper in the National Capital, is, of course, largely followed throughout the nation, and the work it is doing, in an educational way, for the adoption of a System of National Military Training is helping the cause of national defense and making easier the task of formulating a Bill for this fundamental principle of National Military Policy. Too much cannot be said in praise of those editors who have courageously undertaken this pioneer effort, at the request of the Association for National Training, for, without their co-operation and free access to the columns of the great papers over whose destinies they preside, the effort for the adoption of a genuine Military Policy would fail. I consider this work to be the finest expression of the New Nationalism which is quickening the public conscience, and, that through it, notice will be served on the world at large that this Republic has the courage, the will, and the ability, to provide the means, in time of peace, through which it can successfully defend itself and its great ideals and hand them down to posterity unimpaired."

U. S. HAS GOOD WORD FOR THE BRICK ROAD.

WASHINGTON, D. C.—Continuing its advice on road building, the United States Office of Good Roads today discussed brick as a building material.

Forty-four years ago the first brick road in the United States was constructed in Charleston, W. Va.

"The experience of forty-four years," says the U. S. Office of Good Roads, has demonstrated that it is entirely practical to construct satisfactory brick roads."

"These roads," say Uncle Sam's experts, "now are giving general satisfaction, when properly constructed and it is probable that their mileage will continue to increase rapidly."

"The principal advantages of the brick road according to the government road service are: 1. Durability under practically all traffic conditions. 2. They afford easy traction and good foothold.

3. Easily maintained and kept clean. The only disadvantages attributed to this type of road is the high initial cost. This is largely offset, it is figured, by the low maintenance and general stamina of the road.

The best type of brick road, in the opinion of the government road experts, is a good brick laid on a sand cushion, with a substantial concrete foundation.

LARGEST TIMBER SALE.

PORTLAND—The largest body of timber ever advertised for sale in Oregon, Washington or Alaska by the forest service is the stand on 7030 acres of the watershed of the west fork of Hood River, in the Oregon National Forest, which is now up for bids. The timber cruises 350,000,000 feet, of which

approximately 72 per cent is Douglas fir, with Western hemlock, amabilis fir, Western red cedar, noble fir and Western white pine, making up the remainder of the stand. The minimum stumpage prices per 1000 feet that will be considered are \$1.20 for Douglas fir, red cedar and noble fir; \$2.50 for white pine, and 50c for all other species.

1915 LUMBER CUT BY PRINCIPAL KINDS.

WASHINGTON, D. C.—The lumber cut of 1915 by principal kinds has just been compiled by the Forest Service, with results shown in detail below. Southern yellow pine, with a total cut of 14,700,000,000 board feet, forms 30 per cent of the total and was more than three times the cut of Douglas fir, the second on the list. Oak, white pine, and hemlock are the only other kinds with a showing of over 2,000,000,000 feet.

The figures include both the actual reported cut from the mills making returns and the estimated probable actual cut. The total cut of all species is shown as 37,013,294,000 feet, as has been previously announced by the Forest Service. It is believed that at the outside the grand total 1915 lumber cut did not exceed 35,000,000,000 feet.

The actual reported cut of lath in 1915 was 2,745,134,000 and the estimated total cut 3,250,000,000. For shingles the reported cut was 8,459,378,000 and the estimated total cut 9,500,000,000.

Because of the closer touch of the western offices of the Forest Service with the mills in their territory, and the consequent greater accuracy of the estimates of probable total cut of the western species, the figures for these species are not rounded off as are the corresponding figures for other kinds. The many thousand mills east of the Rocky Mountains make impossible estimates of more than approximate accuracy.

The second table given below shows preliminary rounded values for each principal kind of lumber, based on the data reported by mills in the principal producing States. The figures are therefore very close to the final average, which will be announced later.

1915 Lumber Cut by Species.

Kind of Wood	Probable Total M Ft.	Reported M Ft.
Yellow pine	14,700,000	12,177,335
Douglas fir	4,431,249	4,121,897
Oak	2,970,000	2,070,444
White pine	2,700,000	2,291,180
Hemlock	2,275,000	2,026,460
Spruce	1,400,000	1,193,985
West. yellow pine	1,293,985	1,252,244
Cypress	1,100,000	926,758
Maple	900,000	771,223
Red gum	655,000	478,099
Chestnut	490,000	399,473
Yellow poplar	464,000	377,386
Redwood	420,294	418,824
Cedar	420,000	352,482
Birch	415,000	355,328
Larch	375,000	348,428
Beech	360,000	303,835
Basswood	260,000	207,607
Elm	210,000	177,743
Ash	190,000	159,910
Cottonwood	180,000	138,282
Tupelo	170,000	153,001
White fir	125,048	121,653

Sugar pine	117,701	115,109
Balsam fir	100,000	71,358
Hickory	100,000	86,015
Walnut	90,000	65,144
Lodgepole pine ...	26,486	22,672
Sycamore	25,000	19,729
All other kinds....	49,531	37,826

Total37,013,294 31,241,734

Preliminary 1915 Figures Average Values Per M.
Kind of Wood.

Softwoods.	
Yellow pine	\$12.50
Douglas fir	10.50
White pine	18.00
Hemlock	13.00
Western pine	14.50

Spruce	16.50
Cypress	20.00
Redwood	13.50
Cedar	15.50
Larch and tamarack	11.00

White fir	11.00
Balsam fir	14.00
Lodgepole pine	13.00

Hardwoods.

Oak	19.00
Maple	15.00
Yellow poplar	22.50
Red gum	12.50
Chestnut	16.00
Birch	16.50
Beech	11.00
Basswood	19.00
Hickory	23.50
Elm	17.00

Ash	22.50
Cottonwood	17.50
Tupelo	12.00
Sycamore	14.00

ROAD BUILDING EXPENSES.

The cost of building roads includes other expenses than the payments made to contractors, although few highway commissions include these overhead charges in their reports on costs. The California Highway Commission does so, however, hence its reports have a high reputation among business men who have examined them. The commission buys directly all the material used in the roads, which amounted a year ago to nearly 200 cars per working day. A purchasing department for handling business of this amount is an unusual expense for a public commission, for the work is usually done by contractors. If it is included with the expenses of the auditing, disbursing, legal, secretarial, engineering and clerical departments, the overhead expense on the California state highway to date amounts to 1.11 per cent of the total. This is the estimate prepared on the usual theoretical basis. But the actual facts are very different. A recent estimate showed the total expenditure from the highway fund had been \$13,746,396, of which \$11,591,188 was for contracts and materials and \$601,926 for the overhead items just mentioned. These two classes of expenditures amounted to 58.73 per cent of the total, leaving 11.27 per cent of overhead expenses unprovided for. Part of it represents money invested in equipment and unused stores, part represents the engineering work on roads not yet placed under contract, and the remainder comprises

expenditures made in connection with securing road data on routes not adopted or in assistance in designing and inspecting bridges built for state highways by the counties.

PUGET SOUND EXPORTS.

PT. TOWNSEND, WASH.—Automobiles to the value of \$631,397; iron, steel and copper valued at \$6,500,600, and cotton valued at \$3,887,637 were shipped from Puget Sound during the month of June, as shown by the monthly report of Collector Roscoe M. Drummheller. All other articles swell the exports to \$27,716,989. The imports consisting of copper ore, tea, hemp bags and burlaps, rice, raw silk, etc., reached a value of \$16,099,871. The tonnage entrance for June was 261,026 and clearance 236,449.

ENLARGE POST OFFICE.

WESTWOOD (Lassen Co.)—As the result of the petition for better Post Office quarters here, forwarded to Washington last June, bids will be received up to the 15th of this month in San Francisco for suitable new leased quarters for the Westwood Post Office. Specifications call for 1,500 feet of floor space, or three times the size of the building now occupied.

The lease will run for five or ten years and the quarters must be ready for occupancy on or before November 1st this year.

It is not yet decided whether the present building will be enlarged or an entirely new structure be erected.

ROAD WORK TO START.

SACRAMENTO, Cal.—Jacinto & Da Rosa have put a force of men at work on their contract for building a bridge across Walker Creek and a stretch of highway about a mile long through what is known as the Eucalyptus Grove in C'enn County.

This contract was awarded by the Commission a few weeks ago and will mean the completion of a strip of road much desired by the people of Glenn. The contract price of the work is \$8,615.70, but in addition to this the State will furnish materials of the value of \$7,529.78, making a job of more than \$16,000.

IMPROVEMENTS PLANNED FOR HALL OF RECORDS.

YUBA CITY (Sutter Co.)—The Sutter Board of Supervisors have inspected the Yuba City Hall of Records with a view to making some needed improvements.

The Board is contemplating having the interior repaired.

DAM BEING BUILT SEVEN MILES FROM LA PORTE.

LA PORTE (Flumas Co.)—F. R. Ritchie Company of San Francisco has commenced work constructing a debris dam in Slate Creek about seven miles from La Porte.

Auto trucks will haul cement from Ilwaco.

Frank Costello is superintending the work.

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train service between Bay Cities and points in the Sacramento Valley.

Thru beautiful Redwood Canyon and Mt. Diablo country.

Write for illustrated folder and time table.

Oakland Antioch & Eastern Railway

L. H. RODEBAUGH
Traffic Manager
Oakland - Cal.

FIND HOUSE THAT WAS FURNISHED 10,000 YEARS AGO.

PHILADELPHIA.—Stone implements and household tools, estimated to be 10,000 years old, forming part of a collection owned by Meremphah, son and successor to Rameses the Great, 1300 years before Christ, have been unearthed in the prehistoric monarch's palace at Memphis, ancient capital of Egypt. Advises telling of these important discoveries have just reached the university museum here from Dr. Clarence S. Fisher, leader of the Eckley B. Cox, Jr., expedition to Egypt.

In a full report, Dr. Fisher described wandering through the spacious halls of the great palace that for centuries lay buried in ancient Memphis. Gold ornaments, sarcophagi, vessels of various kinds and vases were found intact, just as they must have been when the lords of those days evacuated. Many of the relics found, says Dr. Fisher, date back to the stone age. Traces of a fire that must have ravished the palace are found on every side, according to the archeologist.

STATE TO BUILD NEW ROAD IN YOSEMITE.

CAMP CURRY, Yosemite Valley.—Stephen T. Mather, assistant to the secretary of the interior and head of the National Park Service, left Soda Springs Thursday for a trip along the crest of the Sierras from Yosemite to Sequoia National Park. The party will follow the proposed route of the Muir Trail, to be built by the State of California as a memorial to John Muir. Houghton Thompson, assistant attorney general of the United States, and S. R. Yard, director of publicity for the National parks, will be members of the party. R. B. Marshall, general superintendent of National parks, is expected to visit Yosemite soon.

STATE FINANCES BY JOHN FRANCIS NEVILL, CHAIRMAN, STATE BOARD OF CONTROL.

Every tax-payer in the State of California, whether he is the president of a bank or the owner of a little suburban lot should read the financial statement of the State government for the Sixty-seventh and Sixty-eighth fiscal years and learn at first hand from what sources State revenues are derived and upon what objects they are expended.

This official statement, just issued, shows that the entire taxes and revenues of the State for the Sixty-seventh and Sixty-eighth years, embracing the two years between July 1, 1915 and June 30, 1917, total \$38,310,333.76 or approximately \$19,170,000.00 a year. The total appropriations and fixed charges of the State government for the same period are \$35,997,086.47 or approximately \$17,998,500.00 a year. Thus there is in the fiscal period a surplus of current revenues over current expenditures of \$2,313,247.29 for the fiscal period.

The sources of State revenue will prove most interesting. Under the system of taxation adopted in 1910 State and local taxes were divided, the burden of supporting the State government falling practically in its entirety upon the corporations of the State.

The official figures show that of the entire revenue totalling \$38,310,333.76 for the two fiscal years the sum of \$31,518,533.16 is paid by the following classes of corporations: railroads; street railways; light, heat and power corporations; telegraph and telephone companies; car and express companies; national banks and state banks; insurance companies and general corporations.

Of the remaining \$6,821,800.60 the sum of \$1,500,000.00 is derived from inheritance taxes. It may not be generally recognized that inheritance taxes fall only upon substantial inheritances. The law specifically provides for the exemption to every widow of the first \$21,000.00 of her husband's estate.

Of the remaining \$2,321,800.60 the sum of \$600,000.00 is paid by the counties for interest on highway monies expended within their boundaries. The principal of the \$18,000,000 State Highway bond issue is payable by the State, the interest on the bonds is payable by the counties in proportion to the amount of the issue spent within their borders.

Of the remaining \$1,721,800.60 the sum of \$168,720.00 is derived from interest on deposits in banks of the State's running cash balances and the State's cash surplus.

Of the remaining \$1,255,080.60 the sum of \$250,000.00 is derived from fees of the Secretary of State's office. The principal part of these fees come from the filing of articles of incorporation.

Of the remaining \$905,080.60 the sum of \$380,000.00 is derived from the payment for maintenance of inmates of the Preston and Whittier Schools and the Sonoma State Home.

The remainder of the revenue, \$255,080.60 is derived from various sources, including Fish and Game licenses, fees of Insurance Commissioner, Supreme and Appellate Courts fees, delinquent property taxes, etc.

This much for the revenues. The objects of expenditures are not less interesting.

Of the total \$35,997,086.47 for the present two years, the enormous sum of \$16,169,629.00 is devoted to Education. Of this sum the common schools take \$8,860,000.00; the High Schools the sum of \$1,521,000.00; the University of California the sum of \$3,247,874.00; the State Normal Schools, California Polytechnic, Hastings College of Law and Institution for the Deaf and the Blind \$1,920,755.00; and free text-books for the common schools \$250,000.00.

Of the remaining expenditures the sum of \$5,662,820.00 goes for the maintenance and improvements of the State's charitable and benevolent institutions. Of this sum the hospitals for the insane take \$1,267,720.00; the homes for the veterans of the wars and blind people the sum of \$120,000.00 and the aid of orphans and half-orphans \$375,000.00.

Of the remaining expenditures Correctional institutions take \$2,861,200.00. The prisons take of this sum \$1,911,200.00 and the reformatories for boys and girls \$953,000.00.

Of the sum of \$921,602.43 is absorbed by permanent improvements other than at State Institutions, including river and reclamation work; and in payments of claims and refunds of taxes erroneously paid.

Of the remaining expenditures \$1,761,902.00 is paid back to the counties of the State to reimburse them for withdrawal of corporate and railroad property from local taxation under section 11 of article XIII of the Constitution, ratified November 8, 1910.

Of the remainder \$1,500,000.00 is set aside for meeting the annual redemption of State Highway, State Building and University of California bonds.

The remainder of the expenditures is absorbed by the Legislative, Judicial and Executive branches of the State government. The Legislative branch absorbs \$182,900.00 and the Judicial \$1,067,670.00, including the State's one-half share of each Superior Judges salary.

Of the entire expenditures totalling \$35,997,086.47 the sum of \$1,565,863.04 goes for the support of the Executive and Administrative department of the government. This department includes the offices of Governor, Lieutenant Governor, State Board of Control, Secretary of State, Controller, State Railroad Commission, Industrial Accident Commission, Civil Service Commission and all other State offices, departments, boards, bureaus and commissions for which any State appropriation is made. It will thus be seen that the entire amount appropriated for the support of all offices, bureaus, boards, commissions and departments is a total of \$2,282,931.52 a year.

STATE HIGHWAY ENGINEER HONORED.

Engineer of California State Highway Commission Is Granted Leave of Absence to Assist in Organizing Federal Goods Roads Bureau. Compliment to Highway.

SACRAMENTO.—At the request of Secretary of Agriculture D. F. Houston, Governor Johnson and the members of the California Highway Commission have granted A. B. Fletcher, state

highway engineer, a furlough from August 16 to October 1, this year, to assist at Washington, D. C., in organizing the work of the new road bureau through which the Federal Government will expend \$85,000,000 in aiding the States in the construction of rural post and other roads.

This is the second recent instance in which efficiency in California's administration has been looked to by men equipped for highly responsible work. A few weeks ago a request came from New York that C. A. Derrick, superintendent of the Preston School of Industry, be granted a temporary leave of absence to assist in organizing and developing the management of the prison at Sing Sing.

Secretary Houston found himself confronted with a huge task, and the achievement in road building in California, under Mr. Fletcher and the Highway Commission, was brought to his attention. He opened correspondence with Governor Johnson, with the result that after a conference with the Highway Commission it was decided to grant the furlough as stated. The State officials were actuated by a desire to assist the Federal Government in this road building project, and further, by an assurance gained from intimate knowledge of Fletcher's work, that he could be of important service. It has been so arranged that the Highway Commission's work in California can go forward without interruption during the six weeks of the chief engineer's absence.

The request from Washington for Mr. Fletcher's services is a high compliment to California. The fame of the State's efficient road building has spread to all parts of the country. The \$18,000,000 bond issue has been expended with economical administration, with results that speak for themselves as to efficiency, and without the suggestion of a breath of scandal.

This State has been described as the laboratory for thoroughly and wisely prepared legislative acts, such as those creating the Railroad Commission and the Industrial Accident Commission. It would appear that this State is also to be drawn upon for men of character and ability to carry on public work.

GRAYS HARBOR LUMBER CUT.

BELLINGHAM, WASH.—The lumber cut of Grays Harbor mills for the last year was 769,850,000 feet. This was about 150,000,000 feet less than the 1914 cut. Some 17,000,000 feet were shipped to the Atlantic coast for forwarding to Europe, but only 2,000,000 feet went by way of the Panama Canal. The total sales amounted to 735,049,000 feet. The heaviest buyers were California, New Mexico and Arizona, 171,506,000 feet going to those three States.

NEW DRY KILNS.

FORT BRAGG, CAL.—The new dry kilns erected by the Union Lumber Company are about completed and look fine with a bright red coat of paint. The new kilns will double the capacity of the company for dry lumber.

UNPREPAREDNESS AND OUR WOMEN!

By Charles L. Frailey, for Association for National Training.
Prolific is the press these days in

articles, editorials, and reports of interviews, speeches, and meetings on the subject of preparedness. The arguments in most cases are sound and make deep impress upon the patriotic citizen in favor of being ready to meet any attack upon our country. The judgments of experts are unhesitatingly delivered for a greater armament, and must command respect. The idea of military training for the youth of the nation is now beginning to take hold; but it should meet with the active and co-operative approval of every citizen of the Union as a means of establishing a trained citizen soldiery to protect the country not only from financial and material loss, but from a far greater and more terrible calamity. It is of course axiomatic that the industries and wealth of the nation should be able to look to the armed forces of the Government with confidence that their training, equipment, and ability will be amply able to protect them, instead of their being sacrificed to teach a lesson with which we should already be thoroughly acquainted, if not as the result of intelligent thinking, certainly by reason of experience in our past struggles.

For example, while we may look with pride upon the achievements of our little navy in the early history of the Nation, we should not forget that we entered into a disgraceful treaty with Algiers, a country maintaining a horde of sea handitti, and paid a disgraceful tribute to that Government because, owing to opposition to increasing our navy, we were not in a position to protect in any other way our growing commerce from the inroads made by its pirates. We needed six warships. They were finally built when the Nation was fully aroused to their necessity, and depredation was forcibly brought home to us, but in the years elapsing before their construction was authorized and completed, we paid enough protection money and tribute to Algiers to defray the cost of these six ships—a lesson surely that the American people would do well to study. Indeed, our naval history should be studied by every citizen, and **correctly** and interestingly taught in all the schools. And by **correctly** I mean that the pride in our naval victories and the heroes who won them should not be allowed to obliterate other facts not altogether to our credit, and from which lessons might be learned which would prevent boasting and the false sense of security growing out of it.

If, then, we heed not the lessons so dearly learned from our unpreparedness in the wars we have fought; if we count not the treasure and the lives needlessly sacrificed upon the altar of unpreparedness before we finally won our victories, and if our policy is to drift along half-armed until a foreign power proceeds to administer another and a similar lesson, it then behooves every citizen to say to himself, what will that lesson cost us?

In these times of peace which we are now enjoying, too much emphasis is given in the agitation for a better and a greater army and navy to the cost which unpreparedness will inflict upon us in loss of treasure and of wealth, of payment for indemnity, of great expenditure. But while we thus talk and write of the necessity of protecting our wealth and our industries, is there no

greater cost to be reckoned with, to absorb our thoughts, to appeal to our manhood? A cost even greater than the lives of our country's sons who may be sacrificed at the hands of an invading foe?

In the early days of the Colonies, the Puritan and his fellow-settlers had little wealth or treasure. They builded well, they tilled the soil, and in the fear of God, they prospered. But they lived under the shadow of an ever-present menace to their peace and happiness, to their families, to their lives. And when they worshipped in their simple and austere way in their religious meeting houses, they gathered there armed and prepared against attacks by the relentless Indian. And when the Puritan shouldered his gun as he trudged with his wife and daughter to the house of worship, I venture to say that the anxiety uppermost in his mind was not for his worldly goods.

The men of America have led the world in the protection of their women, and have ever been quick and sure in avenging insult to them. If there be any one who hesitates to disturb the existing state of things, not looking into the future, and content with earning and eating his daily bread, think-

one that we can defeat any nation that may attack us, because we have never yet been beaten, let him consider well his attitude; let him ponder that while we may in the end attain victory, at what terrible cost will it be achieved; how much will be wasted before we can prepare the way for final success. And then let him know and understand what—more terrible than the waste and loss of wealth and treasure, of industries and business—may and will threaten our women: what agony will be theirs; what evils may befall his wife, his young and budding daughter, before the onslaught of an invading host can be stopped? If we lose money and property of great value; if our buildings and our homes are in part destroyed before we begin to recover and give blow for blow, that will be a calamity indeed. But what is that compared to the horrors of war that will be inflicted upon the women of our cities, of our land?

Are you—who, reading your newspaper at the breakfast table, well content with your business, your prosperity, and the state of things in the land—sure that some day you may not be called upon to defend your fireside, and with your neighbors and your countrymen, find yourself unprepared

HARDWOODS — VENEERS

No matter what **kind** of Hardwoods Flooring or Panels you may require, nor what **quantity** of each you may need for **immediate delivery**, you can depend upon **WHITE BROTHERS** to supply you promptly.

We carry the largest stock of **HARDWOODS** and **WYBRO PANELS** in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured **service** and **promptness** coupled with **fair prices** as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

New Building Laws

of

San Francisco

On Sale, 25c per Copy.

Daily Pacific Builder

560 MISSION STREET

Mail Orders Solicited. Send coin or postage stamps of 1 and 2 cent denominations.

to withstand the trained troops of an invading army?

If there be *doubt* about it—and certainly you will not arrogate to yourself the divine attribute of infallible prophecy—will you, as you look upon the sainted face of your mother, or gaze into the loving eyes of your wife, or feel the tender clasp of your daughter, just budding into womanhood, or perhaps tottering to your knee with hands outstretched to climb upon your lap, take the *chance* of seeing one or all of them taken from you, and either slain, or worse still, captured to become the *property* of the licentious soldiers of an enemy?

And those of you who live in the Middle West, so-called—in the center of our country—far from attack by an invading army—no matter what may be your feelings of security (and though you may perhaps regard with indifference such treasure as the East or West might have to pay), forget not that they who live in the seacoast cities are your fellow citizens and the honor of their wives and daughters, as well as yours, is the supreme honor of the Nation. Remember that when in a community an assault has been committed upon one of its women, and when, in defiance of law, the wrong has been avenged with drastic measures, the men of that community have stood together to administer the punishment to the offender, and not left it to be done by the woman's husband, or by others of her family.

We are losing precious time. Is the Nation waiting to be convinced that some day it may have to fight? Or is the real reason for delay reflected in the political eye turned first upon the voter and then askance upon our treasury, hesitating to look the situation in the face and replenish the country's pocketbook to meet the increased demands upon it necessary for defense. Are years to be lost, never to be regained, haggling over the method of financing the expense required to equip the Nation that she may protect herself?

Thinking of the dangers to the women of his family, what patriot would not, whether there be a bond issue, or whether there be an increase of taxation, willingly do his share, and play his part, so that he might know that no false sense of security, no propaganda of world peace, so desirable in itself, would, when the test came, require not merely the sacrifice of his life and property, but the needless destruction of the lives and virtue of the

women of his family; for the preservation of which, though he die, it would be without avail. We could not spend too much to avoid such a terrible evil, such a curse upon the Nation.

Can we for a moment look upon the sufferings of a country under Alien occupation and Alien rule, and not *know* the consequences to our women of the capture by a foreign power of one or more of our seaport cities? What though after months or years we drove the foe from our shores, and rebuilt the material ruins that they left? The stain would forever remain upon us that we had seen our women insulted, assaulted, murdered, and worse than murdered, and had been *powerless* to prevent it, because *unprepared* to prevent it.

The persons and honor of those women could never be restored, nor the stain of the Nation's dishonor removed. What man would not sacrifice all his substance, even life itself, to protect his wife and his daughter, his mother and his sister, and thereby the sanctity of his home!

It is an uncontrovertible fact that we are not prepared against war. Shall we quickly—nay, at once—make such preparation? Is not that our solemn duty to the women of our land? Or shall we, while engaged in sordid calculation, or the strife of partisan politics, hesitate and stumble, and thus take the *chance*, if not the certainty, of some day paying, not only gold and silver, but, to our everlasting shame, a priceless and a monstrous cost for unpreparedness—the lives, the honor, the chastity of our women! God forbid!

MACHINERY MARKETS IN PERU, BOLIVIA AND CHILE.

A report on machinery markets in Peru, Bolivia, and Chile has been issued by the Bureau of Foreign and Domestic Commerce. The publication is based upon investigations made in those countries by Special Agent J. A. Massel, of the Bureau, and it reviews, for the benefit of American manufacturers, the general conditions found there as affecting the use and purchase of machinery. It gives, with some fullness, the latest available statistics for the imports of machinery and related classes of manufactured products, discusses the character and methods of the machinery trade, and describes in detail the equipment of the chief plants and establishments in the predominant industry or industries of each market.

Copies of Special Agents Series No. 118, "Markets for Machinery and Machine Tools in Peru, Bolivia, and Chile," may be procured from the superinten-

dent of documents, Government Printing Office, Washington, D. C., or from the district offices of the Bureau of Foreign and Domestic Commerce, at 10 cents each.

OVER ONE MILLION FOR HUMBOLDT ROADS.

EUREKA—Calling for a special election August 29th on the proposition of bonding the county for \$1,500,000 for building and improving roads, the Supervisors of Humboldt have issued a proclamation. To avoid expenses the date has been fixed on that of the primary election when the same officers will serve. This election is of some interest to residents of the Sacramento Valley and to those of Siskiyou and Trinity counties in particular, as the plans call for roads connecting with the highways of those counties and giving two more scenic routes connecting the highways on the coast with those of the valley. The sentiment in Humboldt County is strong for good roads both for convenience to the farmers and bringing in trade to the cities and towns from Siskiyou and Trinity.

MORE PROSPEROUS THAN EXPOSITION YEAR.

That the money made by the fruit and vegetable farmers of California during the season ending September 1st, 1916, will break all previous records for the State, is announced by the Home Industry League of California, which predicts an unusually successful "fall trade" for merchants generally as a consequence.

Figures filed with the Sacramento branch of the League by State Senator Bills, president of the Pioneer Fruit Company of California, Incorporated, show that the shipments of carload lots of fruit and vegetables out of the State, up to August, were so much greater than in 1915 and brought so much higher prices that the farmers of California will net a profit this year of more than 60 per cent over that of 1915.

"And there is only one thing standing in the way of even greater profits to the farmers this year," the League reports, "and that is the difficulty of the farmers securing wooden packing-cases. If the box-makers can find a way, before the fruit season ends, to turn out many more boxes than they are doing now, with crates for tomatoes, beans and asparagus, the money earnings of California farmers for 1916 will be nearly double the total for the year before."

Cut this out and mail to-day

To the Building and Engineering News

560 Mission Street, San Francisco

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____

Street and No. _____

City _____

State _____



10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 34.

Publication Office,
560 Mission St.

San Francisco, Cal., August 23, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,
Telephone Douglas 3111

San Francisco

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

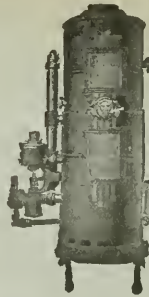
Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"

Automatic
Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS
Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

939-941 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 5941

THE
Safe Deposit Vaults
of the
BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and Octavia

SAN FRANCISCO, CAL.

The "Konveno" Tank is the most Practical tank for the small bathroom.

The "Konveno" Tank is the most practical tank for the small bathroom.

Its top is so constructed that it can be used as an extra shelf.

And you know how scarce shelves are in small bathrooms.

The "Konveno" Tank is a beautiful tank made of vitreous china, white all the way through and will not tarnish or stain.

It is made in three designs to fit the syphon jet, reverse trap and washdown bowls.

Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.



"Pacific"



Plumbing Fixtures

Showrooms and main offices.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

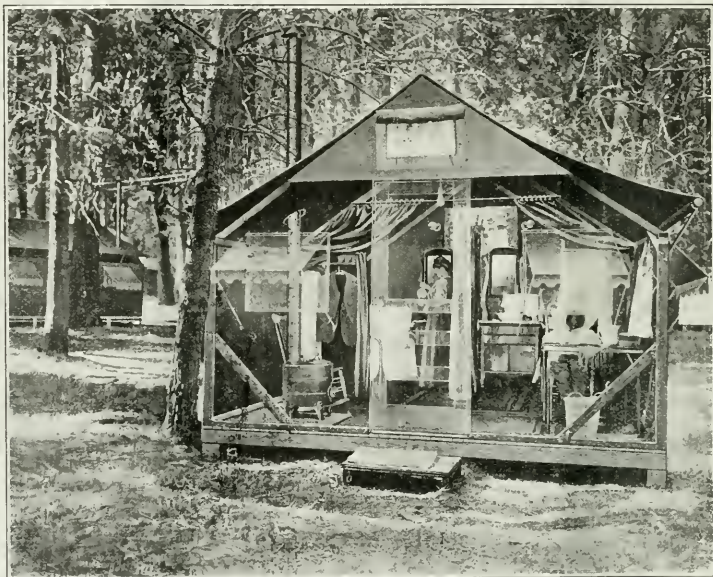
Factories,
RICHMOND,
CALIFORNIA

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. August 23, 1916

Sixteenth Year, No. 34



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LAISEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Six Months, \$2.00; Three Months, \$1.00.
Single copies, 10c.

SAN FRANCISCO OFFICE
500 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers,
Surveyors, Architects, Contractors
and Municipal Authorities on the Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	4
Apartment Houses	1
Arks	1
Bridges	1
Canals	4
Dredges, Dams and Harbor Work	4-5
Building Totals for July	3
Churches	3
Court Houses	5
Factories and Warehouses	5
Hotels and Jails	3
Laths	5
Pasadena, Modesto, Stanislaus and Central California	21-25
Ranges	5
San Francisco	5-6
Schools and Society Buildings	6
Hospitals	6
Government Work and Supplies	6
Irrigation and Reclamation Projects	6
Libraries	6
Los Angeles and Southern California	28
Marin, Contra Costa and Sonoma Counties	23-24
Oakland and Alameda County	23-24
Portland and Oregon	28
Power Plants and Water Systems	6-7
Railroad Construction, Stations and Equipment	7
Residences	7
Sacramento, Stockton and Northern California	25-26-27-28
San Francisco	12-13-14-15-16-17
San Jose and the Santa Clara Valley	22-23
Sheds	7-8
Sailed Proposals	10-11
Seattle and Washington	28-29
Sewers and Street Work	8-9-10
Stores and Offices	10

Building Operations For July.

The building statistics for the month of July, as compiled by the California Development Board, the American Contractor, Chicago, and the Daily Pacific Builder, show a decided gain over July of last year. One hundred and eleven cities are given in the list below, and the total building operations for these cities amounts to \$112,841,466 for July 1916, as against \$67,068,101 for July 1915.

A detailed statement follows:

City	Cost	Cost
Akron	\$ 756,425	\$ 1,148,750
Alameda, Cal.	106,457	27,977
Albany	153,235	416,760
Allentown	62,280	79,075
Altoona	71,221	85,031
Atlanta	200,717	613,116
Bakersfield, Cal.	10,905	4,505
Baltimore	618,318	956,375
Berkeley, Cal.	121,350	182,100
Binghamton	141,831	146,599
Birmingham	141,418	223,987
Boston & vicinity	4,912,000	5,483,000
Bridgeport	464,157	1,061,200
Brooklyn	104,612	84,517
Canton	341,410	247,450
Carden Rapids	146,000	167,000
Chattanooga	39,984	32,375
Chicago	8,076,800	6,455,630
Cincinnati	786,350	1,275,100
Cleveland	3,397,660	2,319,280
Colorado Springs	55,025	22,690
Columbus	563,085	504,085
Davenport	123,660	46,355
Dayton	350,805	232,105
Denver	348,770	177,090
Des Moines	138,383	181,105
Detroit	4,622,590	2,663,080
Dubuque	84,800	23,100
Duluth	172,240	201,422
East Orange	225,859	144,848
East St. Louis	31,450	142,976
Elizabeth	121,305	118,382
Erie	255,781	283,700
Evansville	214,200	396,770
Fort Wayne	289,500	202,580
Fort Worth	257,220	220,029
Fresno, Cal.	51,119	37,085
Grand Rapids	216,822	211,639
Harrisburg	90,215	144,325
Hartford	363,756	111,767
Haverhill	101,950	115,000
Hohoken	109,790	18,078
Holyoke	97,400	178,915
Huntington	102,100	132,040
Indianapolis	818,979	598,078
Jacksonville	214,275	187,382
Kansas City	51,910	77,177
Kansas City, Mo.	1,108,140	1,418,069
Lawrence	68,650	56,375
Lincoln	157,275	272,331
Long Beach, Cal.	41,927	45,854
Los Angeles, Cal.	909,056	936,872
Manchester	87,511	309,050
Memphis	261,405	245,285
Milwaukee	2,062,994	814,967

Minneapolis	1,913,175	1,474,265
Montgomery	40,481	40,810
Newark	577,345	581,133
New Bedford	269,425	320,720
New Britain	169,870	64,780
New Haven	266,175	788,454
New Orleans	381,126	513,510
New York City	17,048,367	13,744,423
Manhattan	49,205,220	4,845,503
Bronx	1,283,266	1,963,993
Brooklyn	2,522,105	4,196,609
Queens	1,482,006	2,546,266
Richmond	555,770	192,252
Norfolk	103,612	163,575
Oakland, Cal.	357,126	410,322
Oklahoma City	183,675	81,530
Omaha	584,675	556,780
Pasadena, Cal.	153,271	190,789
Pasadena	122,917	74,750
Pawson	206,831	146,775
Peoria	166,435	121,190
Philadelphia	3,101,385	3,659,910
Portland, Ore.	368,525	372,375
Quincy	267,330	490,320
Rendling	164,075	82,700
Richmond, Cal.	34,875	30,043
Richmond	269,169	328,667
Rochester	1,078,864	762,123
Sacramento, Cal.	180,539	280,247
Saginaw	63,965	54,897
Salt Lake City	192,325	174,550
San Diego, Cal.	120,641	71,325
San Francisco	1,425,050	1,347,248
San Jose, Cal.	19,232	29,971
Santa Rosa, Cal.	9,660	12,873
Savannah	132,095	154,840
Schenectady	392,249	239,148
Seranton	171,706	311,370
Seattle, Wash.	1,107,160	315,010
Sioux City	299,150	218,200
South Bend	97,652	229,210
Spokane, Wash.	147,740	66,262
Springfield, Ill.	102,100	63,400
Springfield, Mass.	427,295	436,755
St. Louis	1,541,421	615,148
St. Paul	782,224	770,018
Stockton, Cal.	44,629	46,103
Superior	71,155	52,250
Tacoma, Wash.	84,936	31,161
Tampa	79,425	82,010
Terre Haute	69,740	109,140
Toledo	565,492	534,012
Topeka	101,893	168,991
Trenton	114,985	385,521
Troy	62,373	125,161
Utica	157,900	112,295
Washington, D.C.	1,814,753	1,124,207
Wichita	132,860	89,825
Wilkes-Barre	185,580	45,133
Worcester	326,545	703,329
Youngstown	274,800	117,650

Total\$112,841,466 \$67,068,101

MINING LIME ROCK.

SALINAS, Cal.—A firm from San Francisco is engaged in mining a type of lime rock from the Gabilan hills on the land of Cheri Hebert. The lime rock is used to coat the inside of furnaces to protect the iron from the great heat.

The industry is still in the experimental stage.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$12,000. Architect, Louis Mastropasqua, 580 Washington street, S. F. Owner, T. Scannavino. Location, south Grove east Gough, covering an area of 27½ by 120 feet. Will contain twelve apartments. Plans complete and figures being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$20,000. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, Graham & Rhine. Location, south Washington east Presidio. Will contain a number of six and seven room apartments. Plans complete and figures being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$17,000. Architect, none. Owner, J. V. Campbell 1040 Bryant street, S. F. Location, southeast Baker and Golden Gate avenue, covering an area of 37½ by 88 feet. Will contain 12 apartments of two, three and four rooms. Plans complete and work to be done by Day Labor.

SAN MATEO, SAN MATEO CO., CAL.—Apartment house, 2 story and base, frame, \$15,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, J. A. Lee. Will contain a number of two, three and four room apartments. Plans being prepared.

PASADENA, LOS ANGELES CO., CAL.—Apartment house, 2 story and base, frame. Cost not stated. Architects, Peoples & Cheney, Haas Bldg., L. A. Owner, R. D. Davis, Contractors, Atlas Building Co., Haas Bldg., L. A. Contract price not stated.

SAN FRANCISCO—Apartment house, 15 story and base. Class A construction. Cost not stated. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, Harvey Toy. Location, north Jackson east of Cherry. Will contain 28 apartments of eight rooms each. Plans being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$35,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, E. G. Fischer. Location, northwest Fell and Ashbury, covering an area of 56 by 90 feet. Will contain 12 suites of five and six rooms. Plans complete and segregated figures being taken.

BANKS

Contracts Awarded.

NAPA, NAPA CO., CAL.—Bank, 1 story and base, reinforced concrete and brick. Cost not stated. Architect, L. M. Turton, Napa. Owners, First National Bank of Napa. Contractor, E. W. Doughty, Napa. Contract price not stated.

BATH HOUSES.

FRESNO, FRESNO CO., CAL.—Bath house, 1 story, brick and concrete. Cost not stated. Architects, Glass & Bulner,

Republican Bldg., Fresno. Owner's name withheld. Will cover an area of 125 by 150 feet. Tank 75 by 115 feet. Special machinery. Plans being prepared.

LODI, SAN JOAQUIN CO., CAL.—Bath house, 1 story, frame. Cost not stated. Architect, City Engineer, Lodi. Owners, City of Lodi. All bids for the municipal bathing house were rejected by the City Trustees because they ran above the City Engineer's estimate. Alterations will be made in the plans and a building, not quite so elaborate, will be erected. New bids will be called when revised plans are complete.

BONDS

MODESTO, STANISLAUS CO., CAL.—The proposition to bond this city for \$135,000 for school improvements failed to carry at an election held recently. The first election held carried, but through an error the bonds were declared invalid which necessitated a second election.

COALINGA, FRESNO CO., CAL.—More than \$500 has been donated for employing an engineer to plan a new municipal water system for this city. A committee has been appointed to select an engineer to gather the necessary data. It is probable that an election will be called within the next few months to vote bonds for the project.

SAN LEANDRO, ALAMEDA CO., CAL.—The San Leandro School District bonds have been sold. School improvements will be made on the proceeds of the sale.

MARTINEZ, CONTRA COSTA CO., CAL.—An error has been discovered in the bond election held by the San Ramon School District, Contra Costa County, which will necessitate a second election. The bonds voted at the last election amounted to \$15,000.

WOODLAND, YOLO CO., CAL.—The Yolo County court house bonds have been sold and bids for the erection have already been received. The bonds amounted to \$200,000.

SAN MATEO, SAN MATEO CO., CAL.—Resolutions have been passed by the San Mateo School Board calling for a special election to vote bonds of \$10,000 to procure funds for enlarging and improving the manual training department, swimming tank and other necessary alterations to the present high school. Architect, W. H. Toepke of San Francisco has prepared plans for the work.

MCFARLAND, KERN CO., CAL.—The present school being inadequate, a bond election has been called to raise funds to finance the construction of an addition which is estimated to cost \$9,500.

TERRA BELLA, TULARE CO., CAL.—The \$1,000,000 bond issue of the Terra Bella Irrigation District carried at the recent election. The district embraces about 12,000 acres. Preparations are being made to dispose of the bonds and

to call for bids for the construction of the system. Engineer Stephen Kieffer prepared the plans and made surveys for the system.

SACRAMENTO, CAL.—Commissioners of Works Thomas Coulter is working on estimates of the cost of the new municipal auditorium planned by the city. It is thought that the construction of the building will not start until next year.

PETALUMA, SONOMA CO., CAL.—bond election will be held on September 21st to raise funds to finance the construction of culverts, creek improvements, street work, etc.

MODESTO, STANISLAUS CO., CAL.—The directors have set August 31st as the date for an election to vote \$165,000 bonds of the Waterford Irrigation District. Of this sum \$254,000 will be used for a right of way of the main canal from the La Grange dam, and \$211,000 for building the distributing system for the district.

FULLERTON, ORANGE CO., CAL.—August 25, 1911, has been announced by the Trustees of the Fullerton High School District as the date for holding an election to vote bonds in the sum of \$35,000 to finance the erection of a manual training building, garage and a swimming pool.

PORTERVILLE, TULARE CO., CAL.—The Board of Trustees has decided to call an election to vote bonds in the sum of \$56,000 to secure funds for the erection of a city hall and auditorium building.

BRIDGES, DAMS AND HARBOR WORK

AUBURN, PLACER CO., CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor Conrey, Auburn. Owners, Placer County. Plans and specifications for two Yankee Slough Bridges on State highway, prepared by Engineer Conrey were accepted. Bids for erection of bridges ordered advertised.

EUREKA, HUMBOLDT CO., CAL.—Bridges, timber and concrete. Cost not stated. Engineer, County Surveyor Eureka. Owners, Humboldt County. The County Supervisors at their last meeting directed the County Clerk to advertise for bids for the construction of a number of bridges throughout the county. Bids will be asked for bridges across Jordan and Bear Creeks on the route of the state highway south of Eureka; another at Lost Man's Gulch about six miles north of Orick, and fourth in Butler Valley near the summer home of C. S. Carson. Plans and further information may be had from the County Clerk.

MADERA, MADERA CO., CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor Madera. Owners, Madera County. At the last meeting of the County Supervisors the Clerk was directed to advertise for bids for the construction of

the following four bridges: Over the North Fork of the San Joaquin River at the Pines road; over Upper Pine Gold Creek at the Bethel ranch; over Berenda Slough at the Jackson road, and over Winkelman Creek. Bids close September 6th. Plans may be had from the County Clerk.

AUBURN, PLACER CO., CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor Conroy, Auburn. Owners, Placer County. Plans and specifications for two Yankee Slough bridges on State highway prepared by Engineer Conroy were approved at the last meeting of the County Supervisors and bids were ordered advertised. Plans may be had from County Clerk Z. Lowell.

Contracts Awarded

OROVILLE, BUTTE CO., CAL.—Bridges, timber. Cost as follows. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, T. H. Polk, Chico. Butte Creek and Angel Slough bridges, \$1,950; Rock Creek bridges, \$2,692.

SAN ANDREAS, CALAVERAS CO., CAL.—Bridge, reinforced concrete, \$9,332. Engineer, County Surveyor, San Andreas. Owners, Calaveras County. Contractor, E. A. Snyder, Sonoma. Contract price, \$9,332.

POMONA, LOS ANGELES CO., CAL.—Bridge, reinforced concrete, \$23,554.75. Engineer, County Surveyor, Los Angeles. Owners, Los Angeles County. Contractor, H. Clay Kellogg, Santa Ana. Contract price, \$23,554.75.

RICHMOND, CONTRA COSTA CO., CAL.—Wharf, reinforced concrete, \$60,000. Engineer, Engineering Department Standard Oil Co., S. F. Owners, Standard Oil Co. Contractors, Healy-Hibbs Construction Co., 9 Main St., S. F. Contract price, \$60,000.

CHURCHES

PIEDMONT, ALAMEDA CO., CAL.—Church, 2 story and base, frame, \$40,000. Architect, Albert Farr, Foxcroft Bldg., S. F. Owners, Interdenominational Church. Will contain main auditorium, Sunday school rooms, social hall and pastor's study. Plans being prepared.

GLENDALE, LOS ANGELES CO., CAL.—Church, 1 story and base, brick, \$5,000. Architect, Arthur G. Lindley, Hollingsworth Bldg., L. A. Owners, First Methodist Church. Location, southeast Kenwood and Third, covering an area of 90 by 140 feet. Will contain main auditorium, Sunday school rooms, parlors, pastor's study and 20 class rooms. Plans complete and figures being taken.

Contracts Awarded.

SEATTLE, WASH.—Church, 1 story no base, reinforced concrete, \$20,000. Architect, G. T. Dunham, Lumbermen's Bldg., Seattle. Owners, Fourth Church of Christ, Scientist. Contractor, Neil McDonald, Northern Bank Bldg., Seattle. Contract price, \$20,000.

COURT HOUSES.

SAN JOSE, SANTA CLARA CO., CAL.—Recorder's office fixtures. Architect, none. Owners, Santa Clara County. The County Supervisors have extended the time for opening bids for fixtures for the County Recorder's office. The original time was August 21st, which as now been set for September 5th at

11 a. m. Plans for this work may be secured from County Clerk Henry A. Pfister.

WOODLAND, YOLO CO., CAL.—County Court house, 2 and 3 story and base, reinforced concrete or brick and steel, \$200,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Yolo County. Bids presented by Robert Trost and by Howard S. Williams, both San Francisco contractors, are still under consideration. A complete list of the bids received for this work will be found under the heading of Sacramento and Northern California in this issue.

Contracts Awarded.

OAKLAND, CAL.—Hall of Records annex, 2 story and base, brick and steel. Cost as follows. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. The following contracts have been awarded for the construction of the Class A annex to be erected at 5th and Broadway, Oakland: Excavating, brick work, stone work, concrete, carpentry work, mill work, glass, stairs, steel fire doors, plastering and lathing, dampproofing, roof, sheet metal work, hardware, painting and skylights to Lester H. Stock, Hearst Bldg., San Francisco, for \$87,165. Plumbing and gas fitting to Robert Dabziel, Jr., 218 First street, S. F., \$3,707. Electric work to Electrical Construction Co., 212 12th street, Oakland, \$6,064. Marble work and tiling to E. Dineen, 40th and Grove streets, Oakland, \$9,126. Heating and ventilating to Bay Engineering Co., Market and Appar streets, Oakland, \$3,390. Elevator work to Otis Elevator Co., Beach and Stockton streets, S. F., \$2,845. Well boring and casing to Henry Crosby, First Savings Bank Bldg., Oakland, \$1,150.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Factory work. Cost not stated. Architect, August G. Headman, Call-Post Bldg., S. F. Owner, J. Allee. Plans for the elevator work and plastering on the J. Allee cleaning and dyeing works new plant are now out for figures.

BERKELEY, ALAMEDA CO., CAL.—Municipal shop, 1 and 2 story, brick, \$8,500. Architect, City Architect W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley, J. Wendering presented the low figure for the new building to be erected in the corporation yards at \$8,475. All bids were taken under advisement. A complete list of these figures will be found under the heading of Oakland and Alameda County in this issue.

EMERYVILLE, ALAMEDA CO., CAL.—Shop, 1 story, brick. Cost not stated. Architect, James H. Humphrey, Wells-Fargo Bldg., S. F. Owners, Inland Floor Co. Location, Watts avenue. Will contain 14,000 feet of floor space. Additional kilns will also be erected. Plans complete and figures under advisement.

OAKLAND, CAL.—Creamery, 2 story and base, brick, \$12,000. Architect, Claude B. Barton, First Savings Bank Bldg., Oakland. Owners, Oakland Cream Depot. Location, 14th and Willow streets. Will contain office, retail and wholesale departments. Plans complete and figures being taken.

OAKLAND, CAL.—Planing mill, 2 story, frame, \$15,000. Architect, none.

Owners, Pacific Tank and Pipe Co., 5th and Bryant streets, S. F. Location, Tidal Canal near High street. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Factory and warehouse, 4 story and base, reinforced concrete, \$100,000. Architect, William Crim, Jr., 125 Kearny street, S. F. Owners, Pacific Envelope Co. Location, southwest corner Second and Harrison, covering an area of 95 by 165 feet. Plans being prepared. Work to be done by Day Labor.

Contracts Awarded

SAN FRANCISCO—Factory, 3 story and base, reinforced concrete and brick. Cost not stated. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, J. Allee Cleaning and Dyeing Works. Contractors, C. J. Hilliard, ornamental iron work; Percy Sheet Metal Works, sheet metal; H. W. Johns-Manville Co., roofing.

FIRE HOUSES AND JAILS

BAKERSFIELD, KERN CO., CAL.—Jail cells. Cost not stated. Architect, none. Owners, Kern County. At the last meeting of the County Supervisors all bids for the construction of jail cells at Randsburg and Mojave were rejected as the Board considered them too high. What action will now be taken by the Board is unknown.

FLATS

PETALUMA, SONOMA CO., CAL.—Flats, 2 story and base, frame. Cost not stated. Architect, none. Owner, Mrs. Annie M. Ascherman, Keller street, Petaluma. Location, Keller street. Will contain three modern flats. Plans being prepared.

GARAGES

SAN FRANCISCO—Garage, 2 story and base, reinforced concrete, \$40,000. Architects, R. P. Antonovich & H. E. Harris, Monadnock Bldg., S. F. Owner, John Lee, Jr. Location, south Sutter east of Taylor, covering an area of 72 by 137½ feet. Designed for a commercial garage. Preliminary plans only prepared.

GOVERNMENT WORK & SUPPLIES

Kalispell, Mont., Post Office.

As previously reported, the contract for the construction, complete, of the U. S. post office at Kalispell, Mont., was awarded to Welch Bros. & Hannaman, Kalispell, Mont., who will use the following fixtures and material in the prosecution of the work: Plumbing fixtures, Crane Co.; column and wall radiators, American Radiator Co.; non-conducting coverings, Johns-Manville Co.; radiator valves, Crane Co.; damper regulator, Standard Regulator Co.; air valves for radiators and hot-water tank, Hoffman; cabinet and tablet, Frank Adam Electric Co.; conduit, Western Conduit Co.; rubber-covered wire, Safety Insulated Wire and Cable Co.; flush switches, Hart & Hegemann.

Aberdeen, Wash., Post Office.

As previously reported the contract for the construction of the U. S. post office at Aberdeen, Wash., was awarded to Hendrickson & Co., Inc., Seattle, Wash., who will use the following fixtures and material in the construction

of the building: Plumbing fixtures, Crane Co.; column and wall radiators, American Radiator Co.; radiator valves, Jenkins Bros.; damper regulator, American Radiator Co.; air valves for radiators, Hoffman; air valves for end of steam mains, American Radiator Co.; cabinet and tablet, Frank Adam Electric Co.; Rubber-covered wire, Simplex Wire & Cable Co.; flush switches, General Electric Co.

Reclamation Service, Movable Crest. The following bids were received at the Reclamation Service, Washington, D. C., for furnishing stationary parts for movable crest, Sherburne Lakes Spillway, Milk River project:

Milwaukee Bridge Co., Milwaukee, Wis., item 1, \$950; 2, \$2,310; delivery, Milwaukee, item 1 November 1, item 2, December 1.

J. & B. Mitholland Co., 714 5th avenue, Pittsburgh, Pa., item 2, \$2,118, delivery Pittsburgh, item 2, September 3 and October 1.

Schoellhorn-Albrecht Machine Co., 416 Main street, St. Louis, Mo., item 1, iron and steel, 20c per lb; glass and bronze, 40c; item 2, iron and steel, 20c; brass and bronze, 40c per lb; delivery St. Louis, December 1.

Klamath Indian Reservation, Bridge.

The following bids were received by the commissioner of Indian Affairs, Washington, D. C., for furnishing material for 2 steel spans for bridge for the Klamath Indian Reservation, Ore.: Item 1, 20-ft span; 2, 60-ft span.

Omaha Structural Steel Works, Omaha, Neb., item 1, \$275; 2, \$1,295; 60 days.

Missouri Valley Bridge and Iron Co., Leavenworth, Kans., items 1 and 2, \$1,780; 60 days.

Joliet Bridge & Iron Co., Joliet, Ill., item 1, \$376; 2, \$1,861; 75 days.

Northwestern Steel Co., Portland, Ore., item 1, \$303; 2, \$1,355; 40 days.

Kansas City Structural Steel Co., Kansas City Mo., item 1, \$450; 2, \$1,650; both, \$2,000; 60 days.

Continental Bridge Co., Monadnock Buildings, Chicago, Ill., item 1, \$371; 2, \$1,623; both, \$2,000; 60 days.

California Construction Co., San Francisco, Cal., item 1, \$480; 2, \$1,950; 40 days.

Milwaukee Bridge Co., Milwaukee, Wis., item 1, \$320; 2, \$1,540; 90 days.

Independent Bridge Co., Pittsburgh, Pa., item 1, \$425; 2, \$1,875; 75 days.

Coast Bridge Co., Railway Exchange, Portland, Ore., item 1, \$460; 2, \$2,040; 30 days.

Midland Bridge Co., Kansas City, Mo., item 1, \$317; 2, \$1,537; 120 days.

Hilo, H. T., Lighting Fixtures.

The contract for installing lighting fixtures in the U. S. post office and court house at Hilo, H. T., has been awarded to the Beardslee Chandelier Mfg. Co., Chicago, Ill., at \$3,534.80.

Vancouver, Wash., Plaster Models.

The contract for furnishing plaster models for the U. S. post office at Vancouver, Wash., has been awarded to C. W. Buhler, Washington, D. C., at \$198.

The Dalles, Ore., Furniture.

The following bids were received by the custodian, U. S. post office, The

Dalles, Ore., for furnishing 1 quartered oak case:

John E. Sjostrom, Philadelphia, Pa., \$170; 75 days.

Federal Equipment Co., Carlisle, Pa., \$215.25; 60 days.

Maly & Son, Cincinnati, Ohio, \$220; 90 days.

Furnas Office & Bank Furniture Co., Indianapolis, Ind., \$243; 60 days.

Jacob Beitzel & Son, York, Pa., \$350; 80 days.

Louck & Hill, Richmond, Ind., \$400; 100 days.

Excavation.

Bids for excavating about 151,000 cubic yards of material near Carlisle, N. Mex., were received at the U. S. Reclamation Service, Carlisle, N. Mex., as follows:

John Mulligan, 2004 Olive street, El Paso, Tex., schedule No. 1, \$31,980; schedule No. 2, \$13,472.

H. E. Williams, 2914 Tularosa street, El Paso, Tex., schedule No. 1, \$60,000.

Douglas, Wyo., Repairs, Etc.

The contract for installing counter desk and rail for the land office in the U. S. post office at Douglas, Wyo., has been awarded to D. D. Stewart & Co., Jamesville, Wis., at \$489.

HALLS AND SOCIETY BUILDINGS.

Contracts Awarded.

ROSEVILLE, PLACER CO., CAL.—City hall alterations, \$3,200. Architect, McAlpine, Roseville. Owners, City of Roseville. Contractor, E. W. Book, Roseville. Contract price, \$3,200.

HOSPITALS

SAN FRANCISCO — Hospital ward completion, \$10,000. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, City and County of San Francisco. Plans are being completed for the work in the second story of the pathological ward of the San Francisco Hospital. This work includes carpenter, tile and marble work. Bids will be called for shortly by the Board of Public Works.

LIVERMORE, ALAMEDA CO., CAL.—Tuberculosis sanitarium, 6, 1 1/2 and 2 story, frame. Cost not stated. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Bids will be opened on September 11th at 10 a. m. for the construction of six frame buildings. Plans can be secured from the County Clerk at Oakland.

Contracts Awarded.

SAN FRANCISCO—Dental college alterations and completion, \$15,300. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Regents of the University of California. Contractors, McLeran & Peterson, Sharon Bldg., S. F. Contract price, \$15,300.

SAN RAFAEL, MARIN CO., CAL.—Hospital ward, 1 story, frame, \$850. Architect, none. Owners, Marin County. Contractor, J. P. Williams, West End avenue, San Rafael. Contract price, \$550.

HOTELS.

SAN FRANCISCO—Hotel alterations, \$7,000. Architect, none. Owner, Edward Rolkin, 44 4th street, S. F. Lo-

cation, southwest Pioneer Place and Fourth street. Work will consist of removing present partitions and the installation of private baths in all rooms. Considerable tile work is included. Plans complete and work to be done by Day Labor.

ROSEVILLE, PLACER CO., CAL.—Hotel addition, 1 story, frame. Cost not stated. Architect, none. Owner, Barker Hotel. Addition will contain 20 rooms. Plans being prepared.

LOS ANGELES, CAL.—Hotel story and base, Class A construction. Cost not stated. Architects, Morgan Walls & Morgan, Van Nuys Bldg., L. A. Owner, Frank Simpson. Location Sixth and Grand, covering an area of 60 by 90 feet. Will contain 150 rooms with baths. Plans complete and figures being taken.

Contracts Awarded.

SAN FRANCISCO — Hotel marble work, etc., \$14,050. Architects, Wright & Rushforth, 354 Pine street, S. F. Owner, James Otis, Trustee. Contractors, American Marble and Mosaic Co., 25 Columbus Square, S. F. Contract price, \$14,050.

IRRIGATION PROJECTS

LINDSAY, TULARE CO., CAL.—Irrigation system. Cost as follows. Engineer's name not given. Owners, Lindsay-Strathmore Irrigation District. Three bids were received by the directors of the Lindsay-Strathmore Irrigation District for the construction of a portion of their proposed irrigation system. Bids were received from the following firms: Shattuck & Eddinger, Los Angeles, \$140,000; Frank Kennedy L. A., \$125,000; Clehamah-Craner-Carter Co., L. A., \$120,000. It will be several days before a complete report can be had on all bids to determine the lowest bidder on the various projects.

Contracts Awarded.

WOODLAND, YOLO CO., CAL.—Reclamation pumping plant, \$23,147. Engineer's name not given. Owners, Reclamation District No. 1600. Contractors, Yuba Construction Co., Marysville. Contract price, \$23,147.

LIBRARIES

SACRAMENTO, CAL.—Library, 1 story and base. Class A construction, \$130,000. Architect, Loring P. Rixford, Sharon Bldg., S. F. Owners, City of Sacramento. Commissioner Coulter of Sacramento is the authority for the statement that bids will be called for before the end of this month for the construction of the new main library building. Working drawings have been completed by the architect for some time.

MADERA, MADERA CO., CAL.—Library, 1 story and base, concrete and brick, \$15,000. Architects, Coates & Traver, Rowell Bldg., Fresno. Owners, Madera County. Will contain main reading rooms, auditorium and office. Plans complete and figures being taken. Bids open on September 6th at 2 p. m. Plans can be secured from the architect.

POWER PLANTS AND WATER SYSTEMS.

FORT BRAGG, MENDOCINO CO., CAL.—Pipe and fittings. Cost not stated. Engineer, City Engineer, Fort

Bragg, Owners, Fort Bragg. Bids will be opened on August 28th at 6 p. m. for pipe and pipe fittings for the Fort Bragg water works, to wit: 2,700 feet 14-inch redwood continuous wound pipe with iron couplings; 2,700 feet 14-inch redwood continuous wound pipe with machine flanged collars; two 14-inch by 14-inch by 10-inch T's, single sweep for wood pipe. All of the above pipe and fittings for a 100-foot head, 2,700 feet of 14-inch redwood continuous wound pipe only will be purchased by the Board.

Contracts Awarded.

WOODLAND, YOLO CO., CAL.—Boring well and casing. Cost not stated. Engineer, City Engineer, Woodland. Owners, City of Woodland. Contractor, Fred Kroster, Woodland. Contract price not stated.

LOVELOCK, NEV.—Reservoir, reinforced concrete. Cost not stated. Engineer, City Engineer, Lovelock. Owners, City of Lovelock. Contractor, O. A. Peter, Oroville, Cal. Contract price not stated. Note: The reservoir will impound 1,000,000 gallons. In addition to the above contract the city of Lovelock is to expend about \$100,000 on a municipal water plant.

RAILROAD CONSTRUCTION AND EQUIPMENT.

Contracts Awarded.

SAN FRANCISCO—Rails, \$28,635. Engineer, City Engineer, City Hall. Owners, City and County of San Francisco Contractors, United States Steel Products Co. Contract price, \$28,635.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$7,500. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owner, E. H. Rix. Location, Forest Hill. Will contain eight rooms, two baths and garage. Plans complete and contract to be awarded.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,850. Architect, none. Owner, Alfred Johnson, 133 24th avenue, S. F. Location, west 20th avenue south Geary. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, Miss Florence Le Clair, 519 Capp street, S. F. Location, north 20th west of Church. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,150. Architect, none. Owner, Hannah M. Woolsey, 568 66th street, Oakland. Location, north 66th opposite Raymond. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1½ story and base, frame, \$4,000. Architect, none. Owner, R. H. Cooley, First Trust Bldg., Oakland. Location, southeast Blair and San Carlos. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 4, 2

story and base, frame, \$2,750 each. Architects, E. P. Antonovich and H. E. Harris, Monadnock Bldg., S. F. Owners, Co-operative Home Builders. Location, Levant near Masonic. Each house will contain six rooms, bath and sun porch. Plans being prepared and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$10,000. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, Dr. Harry E. Alderson. Location, Green between Divisadero and Broderick. Will contain nine rooms, two baths and basement garage. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,700. Architect, none. Owner, Charles Westwood, 3819 Clark street, Oakland. Location, south Athens east Market. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PITTSBURG, CONTRA COSTA CO., CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Adolph Grabstein, Pittsburg. Location, 7th and Cumberland. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, William R. White, Pacific Bldg., S. F. Location, southwest 19th avenue and East 19th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, L. L. Granger, 1219 Monterey avenue, Oakland. Location, west Desmond north 51st street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Edward Larmer, 470 Boulevard avenue, Oakland. Location, south Derby east Ellsworth. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 4, 1 story and base, frame, \$2,000 each. Architect, none. Owner, R. K. Larsen, 1221 30th avenue, Oakland. Location, west 27th avenue north East 14th street. Each dwelling will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,700. Architect, none. Owner, A. T. Anderson, 7335 Lockwood avenue, Oakland. Location, south Brookdale avenue east Redwood. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,800. Architects, Banning & Stewart, 5215 Broadway, Oakland. Owners, Banning & Stewart. Location, south Clarendon west Ashmont. Will contain nine rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

LOS ALTOS, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame, \$10,000. Architect, Mr. Merchant, care of George W. Keitham, Sharon Bldg., S. F. Owner, Dr. T. E.

Shumate. Will contain ten rooms, three baths and sleeping porches. Separate garage. Plans complete and figures being taken.

PORTLAND, ORE.—Residence, 2 story and base, frame, \$50,000. Architects, Whitehouse & Foulhoux, Wilcox Bldg., Portland. Owner, Clarence S. Jacobsen. Location, Shepherd's Dell and Benson Falls. Will contain sixteen rooms, five bath rooms, open air swimming pool, separate garage and out buildings. Plans being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, John M. Peters, 1016 Balboa street, S. F. Location, west 12th avenue south Cabrillo. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 4, 2 story and base, frame, \$3,700 to \$4,200. Architect, none. Owner, C. M. MacGregor, 470 13th street, Oakland. Location, Lakeshore avenue east of Walla Vista. Will contain from six to eight rooms, baths and sleeping porches. Plans complete and work to be done by Day Labor.

SCHOOLS

DANVILLE, CONTRA COSTA CO., CAL.—School, 1 story and base, frame, \$12,680. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, San Ramon Valley Union High School District, Keller & Crane, 91 Moramar avenue, S. F. P. presented the low figure for this work and will be awarded a contract as soon as an irregularity in the bond issue can be overcome. A complete list of the bids appears under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

HAWKEYE SCHOOL DISTRICT, FRESNO CO., CAL.—School, 1 story, frame. Cost not stated. Architect, none. Owners, Hawkeye School District. Bids will be opened on August 26th at 1:30 p. m. for the construction of a district school. Plans for this work are on file at the office of the Kerman News, Kerman, Cal.

MODESTO, STANISLAUS CO., CAL.—School, 1 and 2 story and base, tile or brick. Cost not stated. Architect's name not given. Owners, City of Modesto. Bids will be received on September 1st at 7:30 p. m. for the construction of a grammar school building. Alternative propositions for tile, brick or frame and plaster are to be submitted.

TRACY, SAN JOAQUIN CO., CAL.—School, 1 story and base, brick and steel, \$70,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Tracy High School District. James Furlong, Monadnock Bldg., S. F. presented the low figures for the general construction at \$46,900 and J. E. O'Mara, 449 Minna street, the low figures for the heating and ventilating at \$3,626. A complete list of the bids will be found under the heading of Sacramento and Northern California in this issue.

ASTORIA, ORE.—School, 2 story and base, brick and concrete, \$80,000. Architects, Whitehouse & Foulhoux, Wilcox Bldg., Portland. Owners, City of Astoria. Location, Irving avenue, covering an area of 182 by 110 feet. Will contain 20 class rooms, office, library and departments for manual training and domestic science. Plans being prepared.

SEATTLE, WASH.—School, 1 story and base. Class A construction, \$250,000. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. Location, West Seattle. Will contain 20 class rooms, laboratories, office and library besides special departments. Plans complete and figures being taken. Bids open on September 8th.

FLORIN, SACRAMENTO CO., CAL.—School, 1 story and base, hollow tile or concrete. Cost not stated. Architect, George C. Sellon, 1005 K street, Sacramento. Owners, Florin School District. Will contain six class rooms. Alternate propositions for concrete or hollow tile. Plans complete and figures to be opened on September 2 at 3 p. m.

YREKA, SISKIYOU CO., CAL.—School heating system. Cost not stated. Engineer's name not given. Owners, Siskiyou Union High School District. Bids will be opened on September 2nd at 10 a. m. for the installation of a steam heating system in the new gymnasium, domestic science and music building. Plans can be secured from the Clerk of the Board of Education.

MARYSVILLE, YUBA CO., CAL.—School, 1 and 2 story, frame and concrete, \$18,000. Architect, Julia Morgan, Merchants' Exchange Bldg., S. F. Owners, City of Marysville. Will contain eight class rooms, departments for domestic science and manual training. Plans being prepared.

LAKEPORT, LAKE CO., CAL.—School, 1 story, frame and plaster, \$24,325. Architects, Morrow & Garren, Chronicle Bldg., S. F. Owners, Town of Lakeport. Kerr & McLean, 110 Jessie street, S. F., presented the lowest figure for this work, complete, at \$24,325 and will be awarded the contract. A complete list of the bids received appears under the heading of Sacramento and Northern California in this issue.

FRESNO, FRESNO CO., CAL.—School addition, 2 story and base, brick and concrete, \$55,000. Architects, Coates & Traver, Rowell Bldg., Fresno. Owners, City of Fresno. The building will be in the nature of an annex to the present High School and will contain eight class rooms, departments for manual training and domestic science. Plans are being prepared.

SAN JOSE, SANTA CLARA CO., CAL.—School addition, 1 story and base, frame, \$12,000. Architect, F. G. Aitkin, Theatre Bldg., San Jose. Owners, City of San Jose. Addition will include an assembly hall and the equivalent of seven class rooms. Plans have been officially approved by the Board of Education.

ORSI, TULARE CO., CAL.—School, 1 story and base, brick, \$20,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Orsi School District. Will contain six class rooms and an assembly hall. Plans complete and figures to be opened on August 31st at 2 p. m.

Contracts Awarded

CAMPBELL, SANTA CLARA CO., CAL.—School, 1 story and base, frame and plaster, \$15,000. Architect, F. D. Wolfe, San Jose. Owners, Campbell School District. Contractor, E. L. Wolf, 131 Coe street, San Jose. Contract price, \$19,000.

VISALIA, TULARE CO., CAL.—School, 1 story and base, frame and

plaster, \$14,087. Architect's name not given. Owners, City of Visalia. Contractors, D. B. Day & Sons, Woodlake. Contract price, \$14,087.

CAMPBELL, SANTA CLARA CO., CAL.—School, 1 story and base, frame, \$18,000. Architect, F. D. Wolfe, San Jose. Owners, Campbell School District. Contractor, E. L. Wolfe, San Jose. Contract price, \$18,000. A complete list of these figures will be found under the heading of San Jose and the Santa Clara Valley in this issue.

SEATTLE, WASH.—School, 2 story and base, reinforced concrete, \$72,000. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. Contractors, Syllaasen & Sando, Downs Block, Seattle. Contract price, \$72,000.

AVON, CONTRA COSTA CO., CAL.—School, 1 story, frame, \$3,000. Architect, none. Owners, Avon School District. Will contain one class room. Plans complete and figures to be opened on September 7th at 11 a. m.

ALBANY, ALAMEDA CO., CAL.—CAL.—School, 1 story and base, hollow tile. Cost not stated. Architect, John J. Donovan, Dalziel Bldg., Oakland. Owners, City of Albany. Will contain six class rooms and an assembly hall. Alternate proposals for reinforced concrete. Plans complete and figures being taken. Bids close on August 31st at 6:30 p. m.

ALBANY, ALAMEDA CO., CAL.—School, 1 story and base, reinforced concrete. Cost not stated. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Albany. Will contain eight class rooms and assembly hall. Plans complete and figures to be opened on September 1st at 8:30 p. m. Separate figures for general construction and heating and ventilating.

RIPON, SAN JOAQUIN CO., CAL.—School, 2 story and base, reinforced concrete and brick, \$30,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Ripon School District. H. P. Delek, Oakdale, submitted the low bid for the general construction and will be awarded the contract. A complete list of the bids for this work will be found under the heading of Sacramento and Northern California in this issue.

SEWERS, STREET WORK & WATER SYSTEMS

OAKLAND, CAL.—Street Improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on August 31st at 12 noon for street improvements authorized under the following resolutions: That Arthur street from 73rd avenue to Church street, as it exists between Arthur and Fresno streets, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, and paved with oil macadam.

That 2nd street from Webster street to Alice street be graded, curbed with granite, guttered with brick gutters 14 inches wide and paved with asphalt; also that four brick catch basins with cast iron tops be constructed in 2nd street, one in each quarter of the north halves of the crossings of Harrison street and Alice street; also that vitrified pipe conduits, having internal diameters of 10 inches be constructed.

STOCKTON, SAN JOAQUIN CO., CAL.—Storm water sewer. Cost not stated. Engineer, County Surveyor

Quail, Stockton. Owners, San Joaquin County. Bids will be opened on September 5th at 10 a. m. for constructing a storm water sewer in McKinley avenue. Plans can be secured from the County Surveyor's office.

STOCKTON, SAN JOAQUIN CO., CAL.—Sewer construction, \$7,783.44. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications for constructing storm sewers along certain streets in the Schwiditzer tract, east of East street and north of Weber avenue and along East and Fremont streets, were adopted by the City Council recently.

RED BLUFF, TEHAMA CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Bids will be received on September 5th at 10 a. m. for constructing about four-fifths of a mile of macadam road, said road being a portion of the Mantion Road extending in a southwest direction from or near what is known as the Ross Gates Hill, and on the south side thereof, situate in Road District No. 3.

RICHMOND, CONTRA COSTA CO., CAL.—Street and sewer work, \$25,000. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. City Engineer Chapman has completed plans for sewer and street improvements. The plans provide for a lateral sewer in the Bay Shore tract, improvement of 47th street from Potrero St. to the Southern Pacific tracks, and the improvement of 15th street.

SAN RAFAEL, MARIN CO., CAL.—Street improvements. Cost not stated. Engineer, County Surveyor, San Rafael. Owners, Marin County. County Surveyor Richardson was directed at the last meeting of the Supervisors to prepare plans and specifications for leveling up and macadamizing Grant avenue from the State highway to the depot in Novato so bids for doing the work can be called.

FAIRFIELD, SOLANO CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Fairfield. Owners, Solano County. The specifications for graveling a part of Road 173, Road District No. 4, were adopted by the Supervisors at their last meeting and the Clerk directed to advertise for bids to be opened on Tuesday, September 5th at 11 o'clock a. m. Plans may be had from the County Clerk.

VALLEJO, SOLANO CO., CAL.—Street paving, \$135,828.53. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Bids were opened at the August 16th meeting of the City Council for street paving in the northern section of the city. The Warwick Construction Co. submitted the lowest figure at \$135,828.53 and will probably be awarded the contract. Three sets of bids were taken under advisement: Warwick Construction Co., \$135,828.53; Bates, Borland & Ayer, \$136,789.82; Federal Construction Co., \$138,597.87. Other firms submitting figures for the work were Ralsch Improvement Co., Paul & Caldwell, Clarke & Henery and Johnson-Shea Co.

SAN MATEO, SAN MATEO CO., CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. Plans and specifications having been approved, the San Mateo Trustees will shortly issue a call for bids for the paving of Hayward Park, a resident tract in the

extreme southerly portion of the city. This is the last extensive area in that city which remains to be paved.

WATERVILLE, DOUGLAS CO., WASH.—Highway construction, \$22,321.04. Engineer, County Surveyor, Waterville. Owners, Douglas County. O. M. Patton and Jas. T. Smith of Portland submitted the low bid at \$22,321.04 for the construction of four miles of permanent highway from Mansfield east, in Douglas County. They will probably be awarded the contract.

BAKERSFIELD, KERN CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. The Board of Supervisors has accepted the plans and specifications for the construction of division 4, section 1, Rio Bravo-Wasco road, and the Clerk was instructed to advertise for bids to be opened October 3rd at 10 a. m. The plans and specifications for the Bakersfield-McKittrick road were accepted and bids for this work will be opened September 5th at 11 a. m. The plans and specifications for the construction of division 12, Randshurg-Johannesburg, Stringer district, were accepted, as were also plans and specifications for the construction of the Poso Creek bridge on Division 2, Wasco-McFarland road. Bids for the former road work will be opened September 5th at 10 a. m., and bids for the Wasco-McFarland road bridges at Poso Creek will be opened September 5th at 10:30 a. m.

SANTA ROSA, SONOMA CO., CAL.—Road improvements, \$1,150. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. A bid submitted to the County Supervisors by the Western Motor Drayage Co., 1444 Church street, San Francisco, for road surfacing of various strips of the county highway, ranging from a mile to a mile and a half, was taken under advisement.

SANTA ROSA, SONOMA CO., CAL.—Road roller. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. At the last meeting of the City Council the bids for a five-ton roller were again laid over two weeks, and the Mayor announced that at the next meeting some action would be taken in the way of purchasing a roller under the bids submitted a month ago.

SANTA ROSA, SONOMA CO., CAL.—Road improvement. Cost as follows. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. The County Supervisors have rejected the only bid they received for the construction of the road between Monte Rio and Guerneville. The bid was received from the Call Construction Co. and was \$3,208. The bid was rejected because there is not that amount of money available for the road.

SACRAMENTO, CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on August 30th at 11 a. m. for furnishing the materials and constructing a trunk line sewer, unit No. 3, Low line. The principal items of the work are as follows: 318 linear feet of 42-inch reinforced concrete sewer; 1 concrete manhole, 4 feet inside diameter; 20 cubic yards of plain concrete.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo

County Supervisors for paving with oiled macadam Mills avenue and portions of Laurel avenue in Menlo Park were rejected, excepting that of Thomas Flynn, which was taken under advisement.

STOCKTON, SAN JOAQUIN CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor Quail, Stockton. Owners, San Joaquin County. Bids will be received up to September 5th at 1 a. m. for improvement work on the Norton-Angiers road from the Central California Traction Railroad line near the quarter section corner on the west line of Section 29, T. 3 S., R. 7 E., Mt. D. B. & M., east a distance of one-half mile.

SANTA ANA, ORANGE CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Santa Ana. Owners, Orange County. Bids will be received up to September 6th at 2 p. m. for constructing a 16-foot concrete pavement 4 inches thick on Placentia-Yorba road, extending from Richfield a distance of about 2½ miles, according to plans and specifications. The county will furnish sand, rock and cement f. o. b. cars near freight siding to said work.

Contracts Awarded.

SAN FRANCISCO—Furnishing paving brick. Cost as follows. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contractors, California Brick Co., 100,000 or more at \$33 per thousand.

SACRAMENTO, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That H street from 31st street to Mont Clair avenue be improved by constructing concrete curb, concrete gutter, 138 linear feet of concrete gutter of special design, 6 and 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes complete; concrete sidewalk; grading the space between the property line and curb; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick; reconstructing ten concrete manholes by placing same to official grade. Awarded to Clarke & Henery Construction Co., Ochsner Bldg., Sacramento.

ALAMEDA, ALAMEDA CO., CAL.—Street paving, etc., \$25,528.76. Engineer, City Engineer, Alameda. Owners, City of Alameda. Contractors, Clarke & Henery, Ochsner Bldg., Sacramento.

REDWOOD CITY, SAN MATEO CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Redwood City. Owners, Redwood City. Claiming a mistake in their bid, Peterson & Grier, 62 Post street, S. F., have been released from their contract for paving with oil and macadam Seminary avenue in the Second Township. New bids were ordered received for the work. Plans may be had from the County Clerk.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, San Francisco. Owners, City and County of San Francisco. The following street improvement contracts have been awarded by the Board of Public Works: The improvement of

the south half of Clement street, opposite the termination of 31st avenue by the construction of concrete curbs, artificial stone sidewalks; two concrete catchbasins, 10-inch, vitrified, salt-glazed, ironstone pipe culverts and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. The improvement of 34th avenue, between Geary and Clement Sts., where not already improved, by the construction of concrete curbs; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface, and by the construction of artificial stone sidewalks 6 feet wide and the improvement of the south half of Clement St., between 31st and 35th avenues, produced, where not already improved, by the construction of granite curbs; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface, and an artificial stone sidewalk 6 feet wide. Awarded to S. F. Johnson, Pacific Bldg., for \$1,730.33.

The improvement of San Bruno avenue, where not already improved, from Cortland avenue to Steuben street, by the construction of granite curbs; artificial stone sidewalks, a basalt block pavement on a concrete foundation grouted with cement; and basalt block gutters; and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy, First National Bank Bldg., for \$18,369.60.

The improvement of McAllister St., between Parker avenue and North Stanyan street, by the construction of concrete curbs; brick catchbasins with cast iron frames, gratings and traps and 10-inch, vitrified, salt-glazed ironstone pipe culverts; artificial stone sidewalks; a 14-foot central strip of vitrified brick pavement, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface upon the remainder of the roadway thereof. Awarded to Karl Ehrhart, 660 Market, for \$5,411.76.

The improvement of Vicente street, between 19th and 21st avenue, by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8, 18 and 24-inch, with 36 Y branches and 4 brick manholes with cast iron frames and covers and galvanized wrought iron steps. Awarded to A. E. Buckman, 62 Post street, for \$1,270.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That the alley between T and U Sts., from 8th street to 9th street, be improved by constructing one concrete catchbasin complete; placing 4 linear feet of 8-inch, vitrified, ironstone sewer pipe dala connecting catchbasin to sewer; constructing 113 linear feet of concrete curb wall; reconstructing one concrete manhole; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between I and J Sts., from 12th street to 13th street, be improved by constructing one concrete catchbasin complete; placing 10 linear feet of 8-inch, vitrified, ironstone sewer pipe drain, reconstructing one concrete manhole, grading the alley and constructing therein an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick, and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co.

That the alley between O and P Sts., from 8th street to 9th street, be improved by constructing one concrete catchbasin complete; four linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catchbasin to sewer; constructing 160 linear feet of concrete curb wall; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to McGillivray Construction Co.

That Kaysford avenue from Madrone avenue to Cypress avenue, be improved by constructing concrete curb; concrete gutter; 6 and 8-inch, vitrified, ironstone sewer pipe drains; placing 4 6-inch V branches; one concrete manhole complete; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsen Bldg., Sacramento, Cal.

STOCKTON, SAN JOAQUIN CO., CAL.—Cutting grade, \$2,691. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractor, P. C. McIntyre, 215 East Weber street, Stockton. Contract price, \$2,691.

SAN LEANDRO, ALAMEDA CO., CAL.—Sewer construction, \$771.75. Engineer, City Engineer, San Leandro. Owners, City of San Leandro. Contractor, W. J. Tobin, 735 Filbert street, Oakland. Contract price, \$771.75.

SAN JOSE, SANTA CLARA CO., CAL.—Sewer construction, \$6,633. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Contractor, William F. Edwards, 675 31st street, Oakland. Contract price, \$6,633.

MODESTO, STANISLAUS CO., CAL.—Street paving. Cost as follows. Engineer, City Engineer, Modesto. Owners, City of Modesto. Contractors, Central California Paving Co., Schafer Bldg., Modesto. Contract prices, 1½¢ a square foot for grading, 11¢ a square foot for paving, 16¢ a square foot for gutter and 41¢ a linear foot for curbing.

RIVERSIDE, RIVERSIDE CO., CAL.—Street improvements, \$5,101.17. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Highway Construction Co., 26 Montgomery street, S. F. Contract price, \$5,101.17.

STORES AND OFFICES

SAN FRANCISCO—Stores and lofts, 6 story and base, reinforced concrete, \$150,000. Architect, Kenneth MacDonalld, Holbrook Bldg., S. F. Owner, John A. Hooper. Location, west Battery north of Pine, covering an area of 111 by 137½ feet. Will contain stores on the first floor and lofts above. Contract for grading awarded to Sibley

Grading and Teaming Co. and for the concrete frame to F. A. Palmer, Mo-nadnock Bldg. Bids for other parts of the work in and under advisement.

SAN FRANCISCO—Store alteration, 1 story, frame, \$3,000. Architect, none. Owner, R. W. Moller, Call-Post Bldg., S. F. Location, southeast corner 24th and Osage. Work will consist of interior and exterior alteration. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Store alteration, frame. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Nathan Delbanco. Location, 10th near Sacramento. Will consist of installing new store fronts. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Stores, 1 story and base, Class C construction, \$14,000. Architect, W. H. Crim, Jr., 425 Kearny street, S. F. Owner, Robert White. Location, Fillmore between Geary and Post. Will contain two stores. Plans complete and figures being taken.

LOS ANGELES, CAL.—Stores and lofts alterations, brick and steel. Cost not stated. Architect, Richard D. King, Van Nuys Bldg., L. A. Owners, Boothe Estate. Location, Los Angeles street between 2nd and 3rd streets. Plans being prepared.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1070—Proposals for Steel Cylinders for Pier No. 1 Engine Lathes, Hackaws, Inclined Frame, Shaper, Bolt Cutter, Sensitive Drill, Drill Press, Radial Drill, Dry Grinder, Bolts, Rivets, Drill Sockets and Sleeves, Cable Clips, Kedge Anchors, Shackles, Turnbuckles, Bolster Standards, Galvanized and Copper Nails, Sheet Brass, Sheet Copper, Bearing Metal, Bronze, Bar Copper, Ferrules, Cocks, Grommets, Brass Tubing, Lead Pipe, Copper Wire, Poultry Netting, Wire Cloth, Zinc, Solder, Manila Rope, Lanyard, Roll Pulls, Horseshoes, Wheelbarrows, Shovels, Singletrees, Harness Buckles, Life Preservers, Sole Leather, Rubber Tires, Combination and Marine Lights, Pulleys, Acrometers, Caudipods, Gears, Tally Registers, Wire Brushes, Clocks, Tarboard Boxes and Wrapping Paper.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. August 28, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1070) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL I. BROWN, major, corps of engineers, U. S. army, General purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1072—Proposals for Tool Steel, Pig Iron, Pig Tin, Wire Nails, Powder Nails, Machine Bolts, Hand Pumps, Anvils, Refrigerator Apparatus, Refrigerator Doors, Sash Operating Device, Drill Press, Speller, Foundry Clay, Silica Sand, Asphaltum, Coal Tar Pitch, North Carolina Pitch, Valves, Grommets, Brass Pulleys, Poultry Netting, Ribbed Wire Glass, Inner Tubes, Insulating Paper, Carbon Paper, Paper (Bond, Writing, Inner Skin and Money Wrapper), Waste Baskets, Soapstone Sinks and Sinks, Lumber (Southern Yellow Pine, Douglas Fir, White or Sugar Pine, Poplar, White Ash, Cypress and White Oak) and Cross Ties.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. September 1, 1916, at which time they will be opened in public, for fur-

nishing the above mentioned articles. Blanks and general information relating to this circular (No. 1072) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL I. BROWN, major, corps of engineers, U. S. army, General purchasing officer.

PROPOSALS FOR LUMBER.

LUMBER—Office of the Commanding Officer, Springfield Armory, Springfield, Mass.—Sealed proposals will be received here and at the September 1, 1916, under proposal 16, for furnishing 150,000 feet pine board, D stock, 1 inch rough, 50 per cent 8 inches wide, 50 per cent 10 inches wide, 12 feet by 16 feet long, to be in accordance with the rules of the Northern Pine Manufacturers' Association or the California Sugar and White Pine Lumber Co., California white pine is bid on and must be of soft texture. For further information address the commanding officer.

PROPOSALS FOR MAIL-HANDLING DEVICE.

MAIL-HANDLING DEVICE—Treasury Department, Supervising Architect's office, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m. October 2, 1916, for mail-handling devices in new post office at Denver, Colo., in accordance with specification and drawing, copies of which may be obtained at this office or the Bureau of the commanding architect, JAMES A. WETMORE, acting supervising architect.

PROPOSALS FOR PIPE LINE.

PIPE LINE—Sealed proposals invited.—Proposals for Pipe Line will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. August 20, 1916, and then and there publicly opened, for a 4-inch flexible-joint submerged pipe line at the naval training station, San Francisco, Cal. Plans and specification can be obtained on application to the bureau or to the commandant of the navy yard, Mare Island, Cal. F. R. HARRIS, chief of bureau.

ICE PLANT—Sealed proposals, in accordance with "Proposals for San Francisco and Cold-storage Plant" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. September 1, 1916, and then and there publicly opened, for an ice-making and cold-storage plant for the U. S. marine barracks, Peking, China. Plans and specification may be obtained on application to the bureau. F. R. HARRIS, chief of bureau.

COMPETITION ANNOUNCEMENT.

The Board of Control of the State of California announces to the architects of California:

That the people of California have authorized the issuance of bonds to the amount of \$3,000,000 for the purpose of constructing, furnishing and equipping the San Francisco State Building to be located on the Civic Center in the City and County of San Francisco. The State has these bonds now been sold and the money is now available; that the Board of Control has instituted a competition for the selection of an architect to design and supervise the construction of this building.

Section No. 11 of the Department of Engineering laws is open to California architects which empowers the Board of Control to institute this competition, provides that the State Architect shall act as architectural advisor in connection therewith.

The competition will be conducted in two stages and is confined to California. The first stage is open to all certified architects of the State of California who have had the necessary experience, subject to the conditions prescribed in the Program of the competition.

The second stage will be open only to eight architects selected by the Jury from those competing in the first stage. No competitor shall receive any remuneration unless chosen by the Jury and submitting drawings in the second stage. The program for this com-

petition is approved by the San Francisco Sub-Committee on Competitions of the American Institute of Architects. Architects desiring to compete must file with George B. McDougall, State Architect, Forum Building, Sacramento, California, a written request for a copy of the program. On September 1, 1916, copies will be mailed simultaneously to all architects from whom written requests for same have been received. Copies will be mailed to architects making written requests for same after September 1st, at the time of the receipt of such later request.

BOARD OF CONTROL OF THE STATE OF CALIFORNIA.
[SIGNED]

ACCIDENT COMMISSION ADJUSTS THOUSANDS OF CONTROVERSIES

During the two and one-half years of the operation of the Workmen's Compensation, Insurance and Safety Act, up to the first of July, 1916, there were filed with the Commission 2822 applications for adjustment of controversies over compensation claimed.

Of this number of cases the Commission had, up to July 1st, decided 2407 and of these 94, or slightly less than 4%, had been appealed to the Supreme Court or District Courts of Appeal of this State. In all the others (2313) the decisions of the Commission were accepted by the parties as conclusive of the issues involved.

Of the 94 cases in which appeals had been taken, 51 had been decided by the appellate courts, and of those decided the Commission had been sustained in 35 instances, or slightly more than two-thirds, and reversed in 16.

There remained on the first of July, 37 of such cases that had not been decided on appeal, at least 7 of which, involving the single issue of admiralty jurisdiction, are waiting a decision of the Supreme Court of the United States on this point.

The 415 cases which had not been decided by the Commission up to July 1, 1916, had either been compromised and settled or were in all stages of advancement from the mere filing of the application for adjustment up to the point where they were about to be decided by the Commission. Some of them had not yet been heard, some had been heard and not closed and some of them were under advisement.

Of the 2407 decided cases all that were decided during the years 1914 and 1915, which were deemed worthy of digesting, had been digested and published and now make two volumes of upwards of 950 and 1100 pages each. The 1915 decisions have just been received by the Commission from the State Printer. Persons desiring to keep in touch with the decisions of the Commission can secure these volumes upon application to the Commission at \$3.00 per volume, plus the postage, which in this State generally amounts to 25c.

The address of the Industrial Accident Commission is 525 Market Street, San Francisco.

NATIONAL FORESTS PRODUCE REVENUE.

Receipts from National Forests in California for the fiscal year 1916 were \$317,463.51, which is an increase of almost \$44,000 over the receipts of last year and is the largest amount earned by the Forests since their establish-

ment, according to a report given out by District Forester DuBols. Of particular interest is the fact that 25 per cent of this amount, or over \$79,000 will be returned to the county school and road funds of the counties containing National Forest areas, and that 10 per cent additional of the total amount will be spent by the Forest Service in constructing roads and trails within these National Forests.

The increase in revenue arising from a stimulated demand for all National Forest products, reflects, it is said, the increase in business activity in this State. The largest amount was received from the sale of timber which produced a revenue of \$112,711.37. This is an increase of \$24,236 over the timber sales of 1915. The issuance of permits to cattle and sheep men for the grazing of stock on the National Forests brought in a revenue of \$111,598. This is almost \$5,000 more than last year. Rents received from summer home sites, apalary sites, corrals, and fees for other special uses showed an increase of more than \$2,000 over the previous year, while an \$8,000 increase is credited to the issuance of permits in connection with water power development.

SUMMER SCHOOLS AND MUNICIPAL CAMPS IN NATIONAL FORESTS.

WASHINGTON, August 15.—Increasing use of the National Forests for municipal camp sites and summer school locations is reported by the Forest Service. Permits have already been issued to several cities and educational institutions and other applications are expected. Officials say that far more people use the Forests for public playgrounds than for any other purpose, and that this use promises to be one of the most important to which they can be put.

The city of Fresno, California, has been granted a permit for the use of a 15-acre camp on the shores of Huntington Lake, in the Sierra National Forest. It is reported that the city will establish a camp in which outings during the summer months will be provided at low cost for 11,000 school children and their parents.

In the same Forest a California State normal school is now occupying a tract of land which is rented from the Government under a long-term lease. A number of buildings have been erected, all of which, as well as many cottages and camps, are supplied with water from a water system installed by the Forest Service. In connection with the regular six-weeks summer course, this school gives a course in woodcraft and general forestry subjects. The students visit the nearby Forest Service Ranger stations and lookout towers, and study the Government's methods of fire protection. Addresses on the work of the Forest Service are given by officials from time to time. The Georgia State Forest School has a camp on private lands on the Georgia National Forest where a summer course is given. A feature of this course is a series of talks given by members of the Forest Service stationed in the vicinity.

Los Angeles was the first city in California to establish a vacation camp in the National Forests. A tract of

land in the Angeles Forest has been rented, and a large camp built, costing about \$8,000. This camp consists of a log and stone lodge, 64 furnished cottages, tennis and croquet courts, baseball grounds and handball courts. A 10-day trip can be made for a small cost which is within the reach of practically every one. By this means thousands of residents of the city have been able to spend their vacations in the mountains.

It is also reported that a San Francisco association is considering the establishment of a summer home for girls at Lake Tahoe on the Tahoe National Forest. Boy Scout troupes regularly camp in several of the Forests, and on one Forest the Y. M. C. A. of a nearby city has leased a lot and put up a permanent camp.

Officials say that the National Forests offer unlimited opportunities for summer school and municipal camps, as well as the best opportunities for recreation to be had anywhere in the country. Ample provision is made for campers and tourists. Hunting and fishing are allowed in season, and there are no restrictive regulations beyond those regarding forest fires.

WIRE TIES.

A New And Unique System of Tying Reinforcing Bars.

Mr. S. H. Bates, representing the Bates Wire Ties, manufactured in Chicago for tying reinforcing steel bars, is in San Francisco this week introducing a new and novel system of tying steel bars.

The wire is twisted around the bar with a light tool which makes it possible to twist the wires very much faster than with the old system of making the twist with a pair of pliers.

These Ties are in use very extensively throughout the East, and the Middle West, the contractors having discovered that they can reduce the cost of tying the Steel Bars considerably by using this improved system.

Mr. Con Roman of 214 Sharon Building, this city, has been appointed as local representative in this territory, and will carry a full stock of the Ties in the different lengths, also the tools, and will be in a position to fill any orders promptly, and make immediate delivery.

Any contractors desiring to avail themselves of the benefits of this improved system of reinforcing steel bars, are requested to call on Mr. Roman, who will appreciate their business.

REPORT ON POTTERY.

The Geological Survey, Department of the Interior, now has available for distribution its annual statement on Pottery in 1915, which gives the value of all domestic pottery marketed in 1915 as \$37,325,388, an increase of more than 5 per cent over that for 1914.

MILLIONS IN SAND AND GRAVEL.

"Sand and Gravel" is the latest chapter from the Mineral Resources report for 1915 available for distribution by the Geological Survey, Department of the Interior. According to this statement the United States produced 76,603,303 short tons of sand and gravel, valued at \$23,121,167, during the year.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

APARTMENT HOUSE—15 story and base. Class A construction. Cost not stated. San Francisco. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, Harvey Toy. Location, north Jackson east of Cherry. Will contain 28 apartments of eight rooms each. Plans being prepared.

APARTMENT HOUSE—3 story and base, frame, \$38,000. San Francisco. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, E. G. Fischer. Location, northwest Fell and Ashbury, covering an area of 56 by 90 feet. Will contain 12 suites of five and six rooms. Plans complete and segregated figures being taken.

RESIDENCES—4, 2 story and base, frame, \$2,750 each. San Francisco. Architects, E. P. Antonovich and H. E. Harris, Monadnock Bldg., S. F. Owners, Co-operative Home Builders. Location, Levaní near Masonic. Each house will contain six rooms, bath and sun porch. Plans being prepared and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$10,000. San Francisco. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, Dr. Harry E. Anderson. Location, Green between Divisadero and Broderick. Will contain nine rooms, two baths and basement garage. Plans complete and figures being taken.

APARTMENT HOUSE—3 story and base, frame, \$12,000. San Francisco. Architect, Louis Mastrospasqua, 580 Washington street, S. F. Owner, T. Scannavino. Location south Grove east Gough, covering an area of 27½ by 120 feet. Will contain twelve apartments. Plans complete and figures being taken.

APARTMENT HOUSE—3 story and base, frame, \$20,000. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, Graham & Rhine. Location, south Washington east Presidio. Will contain a number of six and seven room apartments. Plans complete and figures being taken.

APARTMENT HOUSE—3 story and base, frame, \$17,000. San Francisco. Architect, none. Owner, J. V. Campbell, 1610 Bryant street, S. F. Location, southeast Baker and Golden Gate avenue, covering an area of 37½ by 88 feet. Will contain 12 apartments of two, three and four rooms. Plans complete and work to be done by Day Labor.

FACTORY WORK—Cost not stated. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owner, J. Allee. Plans for the elevator work and plastering on the J. Allee Cleaning and Dyeing Works new plant are now out for figures.

GARAGE—2 story and base, reinforced concrete, \$10,000. San Francisco. Architects, E. P. Antonovich & H. E. Harris, Monadnock Bldg., S. F. Owner, John Lee, Jr. Location, south Sutter east of Taylor, covering an area of 72 by 137½ feet. Designed for a com-

mercial garage. Preliminary plans only prepared.

HOTEL ALTERATIONS—\$7,000. San Francisco. Architect, none. Owner, Edward Kolkín, 44 4th street, S. F. Location, southwest Pioneer Place and Fourth street. Work will consist of removing present partitions and the installation of private baths in all rooms. Considerable tile work is included. Plans complete and work to be done by Day Labor.

HOSPITAL WARD COMPLETION—\$10,000. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, City and County of San Francisco. Plans are being completed for the work in the second story of the pathological ward of the San Francisco Hospital. This work includes carpentry, tile and marble work. Bids will be called for shortly by the Board of Public Works.

RESERVOIR—Reinforced concrete. Cost not stated. Lovelock, Nev. Engineer, City Engineer, Lovelock. Owners, City of Lovelock. Contractor, O. A. Peter, Oroville, Cal. Contract price not stated. Note: The reservoir will impound 1,000,000 gallons. In addition to the above contract the city of Lovelock is to expend about \$100,000 on a municipal water plant.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, John M. Peters, 1010 Balboa street, S. F. Location, west 120 avenue south Cabrillo. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

STORES AND LOFTS—6 story and base, reinforced concrete, \$150,000. San Francisco. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, John A. Hooper. Location, west Battery north of Pine, covering an area of 141 by 137½ feet. Will contain stores on the first floor and lofts above. Contract for grading awarded to Sibley Trading and Tanning Co. and for the concrete frame to P. A. Palmer, Monadnock Bldg. Bids for other parts of the work in and under adjivement.

STORE ALTERATION—1 story, frame, \$3,000. San Francisco. Architect, none. Owner, R. W. Moller, Call-Post Bldg., S. F. Location, southeast corner 21th and Osage. Work will consist of interior and exterior alteration. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Alfred Johnson, 432 24th avenue, S. F. Location, west 20th avenue south Geary. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$7,500. San Francisco. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owner, E. H. Rix. Location, Forest Hill. Will contain eight rooms, two baths and garage. Plans complete and contract to be awarded.

STORES—1 story and base. Class C

construction, \$14,000. San Francisco. Architect, W. H. Crim, Jr., 425 Kearny street, S. F. Owner, Robert White. Location, Fillmore between Geary and Post. Will contain two stores. Plans complete and figures being taken.

STORE ALTERATION—Frame. Cost not stated. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Nathan Delbanco. Location, Polk near Sacramento. Will consist of installing new store fronts. Plans complete and work to be done by Day Labor.

FACTORY AND WAREHOUSE—4 story and base, reinforced concrete, \$100,000. San Francisco. Architect, William H. Crim, Jr., 425 Kearny St., S. F. Owners, Pacific Envelope Co. Location, southwest corner Second and Harrison, covering an area of 95 by 165 feet. Plans complete. Work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Miss Florence Le Clair, 519 Capp street, S. F. Location, north 20th west of Church. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

Contracts Awarded

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, San Francisco. Owners, City and County of San Francisco. The following street improvement contracts have been awarded by the Board of Public Works: The improvement of the south half of Clement street opposite the termination of 34th avenue by the construction of concrete curbs, artificial stone sidewalks; two brick catchbasins, 10-inch, vitrified, salt-glazed, ironstone pipe culverts and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. The improvement of 34th avenue between Geary and Clement streets, where not already improved, by the construction of concrete curbs; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface, and by the construction of artificial stone sidewalks 6 feet wide, and the improvement of the south half of Clement street between 34th and 35th avenues, produced, where not already improved, by the construction of granite curbs; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface; an artificial stone sidewalk 6 feet wide. Awarded to S. F. Johnson, Pacific Bldg., for \$1,750.33.

The improvement of San Bruno avenue, where not already improved, from Cortland avenue to Steuben street, by the construction of granite curbs; artificial stone sidewalks, a basalt block pavement on a concrete foundation grouted with cement, and basalt block gutters, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn &

Treacy, First National Bank Bldg., for \$18,369.60.

The improvement of McAllister St., between Parker avenue and North Stanyan street, by the construction of concrete curbs; brick catch basins with cast iron frames, gratings and traps, and 10-inch, vitrified, salt-glazed, iron-stone pipe culverts; artificial stone sidewalks; a 14-foot central strip of vitrified brick pavement, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface upon the remainder of the roadway thereof. Awarded to Karl Ehrhart, 660 Market, for \$5,441.76.

The improvement of Vicente street, between 19th and 21st avenue, by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8, 18 and 21-inch, with 36 Y branches and 4 brick manholes with cast iron frames and covers and galvanized wrought iron steps. Awarded to A. E. Buckman, 62 Post street, for \$1,270.

FURNISHING PAVING BRICK—Cost as follows. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contractors, California Brick Co., 100,000 or more at \$33 per thousand.

FACTORY—3 story and base, reinforced concrete and brick. Cost not stated. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, J. Allee Cleaning and Dyeing Works. Contractors, C. J. Hillard, ornamental iron work; Percy Sheet Metal Works, sheet metal; H. W. Johns-Manville, roofing.

DENTAL COLLEGE ALTERATIONS AND COMPLETION—\$15,300. San Francisco. Architect, Lewis P. Hohart, Crocker Bldg., S. F. Owners, Regents of the University of California. Contractors, McLeran & Peterson, Sharon Bldg., S. F. Contract price, \$15,300.

HOTEL MARBLE WORK, ETC.—\$14,050. San Francisco. Architects, Wright & Rushforth, 354 Pine St., S. F. Owner, James Otis, Trustee. Contractors, American Marble and Mosaic Co., 25 Columbus Square, S. F. Contract price, \$14,050.

RAILS—\$28,635. San Francisco. Engineer, City Engineer, City Hall. Owners, City and County of San Francisco. Contractors, United States Steel Products Co. Contract price, \$28,635.

City Bids Opened.

California Brick Co. Will be Awarded Contract for Vitrified Paving Brick.

Bids were opened at the regular Wednesday afternoon meeting of the San Francisco Board of Public Works for furnishing steel rails under contract No. 86 for the Municipal Railways. The United States Steel Products Co. were the only bidders and will probably be awarded the contract.

Bids were also opened at the same meeting for furnishing 100,000 vitrified paving brick. Only two bids were received. The California Brick Co. bid \$33 per thousand and will probably be awarded the contract. Denny-Renton Clay & Coal Co., Seattle, was the other bidder at \$42.50.

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Am't.
2380	Houle	Houle	1000
2381	Same	Same	1000
2382	Leigh	Schultz	3000
2383	Rednall	Rednall	5250
2384	Rednall	Rednall	5250
2385	Breeze Invest.	Johnson	400
2386	Kahn	Moller	400
2387	Ginley	Ginley	3000
2388	Ginley	Ginley	3000
2389	Somers	Larsen	33400
2390	French Hspth.	Spargo	2115
2391	Otis	Am Marble	14050
2392	M E Church Ext	Johnston	1970
2393	Chambers	Stockholm	2076
2394	Fischer	Pasqualetti	1575
2395	Applegarth	Kaiser	713
2396	Welsh	Welsh	4000
2397	Lovegrove	MacGruer	1757
2398	So Pacific	Indgren	1089300
2399	O'Connor	Kerner	2538
2400	Danziger	Barrett	4420
2401	Co-Operative Bld.	Owner	2000
2402	Same	Same	2000
2403	Same	Same	2000
2404	Same	Same	2000
2405	Felder	Behm	400
2406	Moller	Moller	800
2407	Raffens	Horstmeier	400
2408	Molybdenum	Owner	3000
2409	Peters	Peters	3000
2410	Spaeth	Bahrs	3000
2411	McLeland	Owner	400
2412	Brown	Brown	1000
2413	Brulon	Brulon	900
2414	Pickering	Pickering	900
2415	Well	Well	900
2416	Reikin	Reikin	7000
2417	Campbell	Campbell	17000
2418	Christ Scientists	Am Mbl	3300
2419	Kn Pacific	Sundberg	2840
2420	Kingswell	Burnham	2722
2421	Brandenstein	McKay	1950
2422	Nolan	Little	5839
2423	Otis	White	995
2424	Plash	Comisky	17000
2425	Arnott	Arnott	1950
2426	Hooper	Sartorius	5839
2427	Same	Palmer	91000
2428	Same	Lambarth	3400

FRAME DWELLING

(2380) S FAIRALLONE 125 E Ply-mouth. One-story and basement frame cottage.
Owner.....D. Houle 660 Market, S. F.
Architect...None.
Day's work. COST, \$1000

FRAME DWELLING

(2381) S FARALLONE 175 E Ply-mouth. One-story and basement frame dwelling.
Owner.....D. Houle 660 Market, S. F.
Architect...None.
Day's work. COST, \$1000

FRAME RESIDENCE

(2382) E FIFTEENTH AVE 275 N Judah. Two-story and basement frame residence.
Owner.....Leigh & Schultz, 419 21st Ave., San Francisco.
Architect...None.
Day's work. COST, \$3000

FRAME RESIDENCE

(2383) N FILBERT 150 W Baker. Two-story and basement frame residence.
Owner.....W. W. Rednall, 2500 Filbert, San Francisco.
Architect...None.
Day's work. COST, \$3250

FRAME RESIDENCE

(2384) N FILBERT 125 W Baker. Two-story and basement frame residence.
Owner.....W. W. Rednall, 2500 Filbert, San Francisco.
Architect...None.
Day's work. COST, \$5250

STORE FRONT

(2385) NOS. 1172-1174-1176 MARKET. New store fronts.
Owner.....Breeze Invest Co., Mills Bldg., San Francisco.
Architect...None.
Contractor...J. Harold Johnson, 507 15th Ave., San Francisco.
COST, \$400

ALTERATIONS

(2386) SW O'FARRELL & MASON. Alter brick wall.
Owner.....Kahn & Feder, 742 Market, San Francisco.
Architect...None.
Contractor...R. W. Moller, 736 Call Bldg., San Francisco.
COST, \$400

FRAME RESIDENCE

(2387) S CALIFORNIA 95 E 20th Ave. Two-story and basement frame residence.
Owner.....E. Ginley, 131 5th Ave., San Francisco.
Architect...None.
Day's work. COST, \$3000

FRAME RESIDENCE

(2388) SE TWENTIETH AVE AND California. Two-story and basement frame residence.
Owner.....E. Ginley, 131 5th Ave., San Francisco.
Architect...None.
Day's work. COST, \$3000

BRICK STORES

(2389) S MISSION 233-6 E Fifth E 55-04xS 160. All work for two-story brick stores.
Owner.....George B. Somers, 2662 Vallejo, San Francisco.
Architect...Clarence A. Tantau, 519 California, San Francisco.
Contractor...Larsen-Sampson Co., Crocker Bldg., S. F.
Filed Aug. 12, '16. Dated Aug. 11, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$33,400
Bond, limit, forfeit, none. Plans and specifications filed.

STAIR WORK, ETC.

(2390) BLK BDED BY GEARY, ANZA 5th and 6th Aves. Stair work, including concrete and reinforcing, terrazzo, railings, grilles treads, doors, painting, cement floors, bitumen paving, etc., for building.
Owner.....La Societe Francaise de Bienfaisance Mutuelle.
Architect...Albert L. Lapachet, 110, Sutter, San Francisco.
Contractor...John Spargo, 240 Montgomery, San Francisco.
Filed Aug. 12, '16. Dated Aug. 9, '16.
When 5 sets of stairs completed.....\$793
Completed and accepted..... 793
30 days after..... 529
TOTAL COST, \$2115
Bond, \$1058. Sureties, Jos. Mulvihill and Thos. J. Guilfoyle. Limit, 40 days. Forfeited, \$5. Plans and specifications filed.

MARBLE WORK

(2391) SE MARKET 75 SW Eighth SW 200 SE 275 NE 155 NW 105 NE 45 NW 170. Polished marble inlaid, marble tiling, etc., for alterations to Class "B" hotel building.
Owner.....James Otis Trustee, 310 California, San Francisco.
Architect...Wright & Rushforth, 354 Pine, San Francisco.

Contractor...American Marble & Mo-
saic Co., 25 Columbia Sq.,
San Francisco.

Filed Aug. 12, '16. Dated Aug. 4, '16.
On 1st of each month..... 75%
30 days after..... 25%
TOTAL COST, \$14,050

Bond, \$7025. Surety, California Casu-
alty Co. Limit, Oct. 1, 1916. Forfeit,
\$25. Plans and specifications filed.

ALTERATIONS

(2392) NW WASHINGTON & STOCK-
ton N 50xW 137-6. All work except
heating and pews for alterations to
three-story brick building (Chinese
Methodist Episcopal Mission Bldg.)
Owner.....Board of Home Missions &
Church Extension of M. E.
Church, 833 Monadnock
Bldg., San Francisco.

Architect...Wilson J. Wythe, Central
Bank Bldg., Oakland.
Contractor...Johnston Co., 1766 12th
Ave., San Francisco.

Filed Aug. 14, '16. Dated Aug. 12, '16.
Wood finish on 1st floor and 2nd
story ready for plaster.....\$490
Plaster completed..... 490
Completed and accepted..... 490
Usual 35 days..... 500
TOTAL COST, \$1970

Bond, \$1000. Sureties, J. H. McCallum
and E. O. Benner. Limit, 40 days. For-
feit, \$1. Plans and specifications filed.

ALTERATIONS

(2393) N SACRAMENTO 128-9 E Bu-
chanan E 77-6xN 127-8 1/4. All work
for alterations and additions to two-
story attic and basement frame
building.

Owner.....Sarah J. Chambers, 2220
Sacramento, S. F. and Alice
Chambers Bruce.

Architect...Houghton Sawyer, Shreve
Bldg., San Francisco.
Contractor...Stockholm & Allyn, Mo-
nadnock Bldg., S. F.

Filed Aug. 11, '16. Dated Aug. 10, '16.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$20,768

Bond, \$10,500. Surety, New Amsterdam
Casualty Co. Limit, 130 days. Forfeit,
none. Plans and specifications filed.

CONCRETE, ETC.

(2394) NW ASHBURY AND FELL N
100xW 56-3. Concrete and excavat-
ing for building.

Owner.....Edw. G. Fischer, 623 Clay-
ton, San Francisco.

Architect...Edw. T. Foulkes, Crocker
Bldg., San Francisco.
Contractor...J. Pasqualetti, Humboldt
Bank Bldg., S. F.

Filed Aug. 11, '16. Dated Aug. 11, '16.
Foundations completed.....\$25.00
Completed and accepted..... 56.25
Usual 35 days..... 332.75
TOTAL COST, \$1575.00

Bond, none. Limit, 15 days. Forfeit,
none. Plans and specifications filed.

LATH AND PLASTER

(2395) S VALLEJO 70 E Broderick S
137-6x E 35. All work for lathing and
plastering residence.

Owner.....G. A. Applegarth, Claus
Speckels Bldg., S. F.

Architect...G. A. Applegarth, Claus
Speckels Bldg., S. F.

Contractor...Kaiser & Connolly.
Filed Aug. 14, '16. Dated Aug. 11, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1,135.00

Bond, none. Limit, as fast as practical.
Forfeit, none. Specifications only filed.

FRAME DWELLING

(2396) W EIGHTEENTH AVE 275 S
Anza S 25xW 120. All work for one
story frame dwelling.

Owner.....Jas. Welsh, 549 18th Ave.,
San Francisco.

Architect...None.
Contractor...James Welsh & Co.

Filed Aug. 14, '16. Dated May 12, '16.
Rafters on.....\$1000
Brown coated..... 1000
Completed..... 1000
Usual 35 days..... 1000
TOTAL COST, \$4000

Bond, none. Limit, 90 days. Forfeit,
plans and specifications, none.

CLEAN EXTERIOR

(2397) SE CALIFORNIA & POWELL E
49xS 125. All work for sand blast,
wash and grout exteriors of four-
story apartment house.

Owner.....Stella C. Lovegrove, 3298
Washington, San Francisco

Architect...C. J. Colly, Pacific Bldg.,
San Francisco.

Contractor...MacGruer & Co., 180 Jessie,
San Francisco.

Filed Aug. 14, '16. Dated Aug. 14, '16.
Completed and accepted.....\$1317
Usual 35 days..... 440
TOTAL COST, \$1757

Bond, none. Limit, fast as conditions
will permit. Forfeit, plans and spec-
ifications, none.

OFFICE BUILDING

(2398) BLOCK BDED BY MARKET,
Spear, Mission and Steuart. All work
for ten-story office building.

Owner.....Southern Pacific Co., Flood
Bldg., San Francisco.

Architect...Bliss & Faville, Balboa
Bldg., San Francisco.

Contractor...Lindgren Co., Monadnock
Bldg., San Francisco.

Filed Aug. 16, '16. Dated Aug. 14, '16.
As work progresses..... 75%
Usual 35 days..... 25%
OWNER to pay actual cost plus 3%
- 000 as commission. Total not to ex-
ceed \$1,089,300.

Bond, \$550,000. Surety, United States
Fidelity & Guaranty Co. Limit, Sept.
15, 1917. Forfeit, \$500. Plans and
specifications filed.

PLUMBING, ETC.

(2399) NW TWENTY-FOURTH AND
Castro 80 on 24th and 50 on Castro.

Plumbing and gas fitting for three-
story frame apartments and stores.

Owner.....R. O'Connor, Ross, Marin
Co., California.

Superintendent...J. C. Bateman, Bal-
boa Bldg., San Francisco.

Contractor...Kiernan & O'Brien, 1754
Mission, San Francisco.

Filed Aug. 16, '16. Dated Aug. 9, '16.
Rough plumbing and sewers in.....\$445
Completed and accepted..... 845
30 days after..... 568
TOTAL COST, \$2258

Bond, none. Limit, as required. For-
feit, \$20. Plans and specifications filed.

GARAGE

(2400) E DIVISADERO 87-6 S Mc-
Allister E 106-3xS 50. All work ex-
cept plumbing for one-story garage
building.

Owner.....Mrs. Irma Dierks Danziger,
700 Divisadero, S. F.

Designer...L. B. Bendelwald.
Contractor...Barrett & Ihp, Sharon

Bldg., San Francisco.

Filed Aug. 16, '16. Dated Aug. 16, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$4420
Bond, \$2210. Surety, Hartford Accident
& Indemnity Co. Limit, 60 days. For-
feit, none. Plans and specifications
filed.

NOTE:—1st report August 11th. No.
2359.

FRAME RESIDENCE

(2401) W LEVANT 324 S Masonic.
Two-story and basement frame resi-
dence.

Owner.....Co-Operative Home Bldrs.,
1125 Fillmore, S. F.

Architect...E. P. Antonovich & H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work..... COST, \$2000

FRAME RESIDENCE

(2402) W LEVANT 325 S Masonic.
Two-story and basement frame resi-
dence.

Owner.....Co-Operative Home Bldrs.,
1125 Fillmore, S. F.

Architect...E. P. Antonovich & H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work..... COST, \$2000

FRAME RESIDENCE

(2403) W LEVANT 380 S Masonic.
Two-story and basement frame resi-
dence.

Owner.....Co-Operative Home Bldrs.,
1125 Fillmore, S. F.

Architect...E. P. Antonovich & H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work..... COST, \$2000

FRAME RESIDENCE

(2404) W LEVANT 408 S Masonic.
Two-story and basement frame resi-
dence.

Owner.....Co-Operative Home Bldrs.,
1125 Fillmore, S. F.

Architect...E. P. Antonovich & H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work..... COST, \$2000

ALTERATIONS

(2405) NOS. 1266-68 NINTH AVE.
Move partition and alter for stairs.

Owner.....E. Felder & McConalogue,
2198 Geary, San Francisco.

Architect...None.

Contractor...Behm & Co., 139 Oak, S. F.
COST, \$100

ALTERATIONS

(2406) SE MISSION AND TWENTY-
fifth. Alter store.

Owner.....R. W. Moller, 736 Call
Bldg., San Francisco.

Architect...None.

Day's work..... COST, \$300

ALTERATIONS

(2407) NO. 11 MASON, Alter front.
Owner.....H. L. Raffensperger,
1951 Howard, S. F.

Architect...None.

Contractor...Wm. Horstmeier Co., 31
Ord, San Francisco.

COST, \$100

TANKS, ETC.

(2408) NOS. 16-18 NATOMA. Install
tanks, etc., for ore treatment.

Owner.....V. S. Molybdeum Co., Prem
 Architect...None.
 Day's work. COST, \$800

FRAME DWELLING
 (2109) W TWELFTH AVE 100 S Ca-
 brillo. Two-story and basement
 frame dwelling.
 Owner.....John M. Peters, 1010 Bal-
 boa, San Francisco.
 Architect...None.
 Day's work. COST, \$3000

FRAME RESIDENCE
 (2110) E FIFTEENTH AVE 231-6½
 W Anza. Two-story and basement
 frame residence.
 Owner.....John B. Spaeth & W. Bahrs
 2645 McAllister, S. F.
 Architect...John B. Spaeth, 2645 Mc-
 Allister, San Francisco.
 Contractor...William Bahrs, 454 15th
 Ave., San Francisco.
 COST, \$3000

ADDITION
 (2111) E TWELFTH AVE 200 N Ca-
 brillo. Add to dwelling.
 Owner.....R. McLelland, 530 12th
 Ave., San Francisco.
 Architect...None.
 Day's work. COST, \$400

ALTERATIONS
 (2112) NO. 404 CENTRAL AVE. Alter
 basement for garage.
 Owner.....W. D. Brown, 525 Alpine,
 San Francisco.
 Architect...None.
 Day's work. COST, \$1000

ALTERATIONS
 (2113) NO. 821 PACIFIC. Ratproof
 and alter dwelling.
 Owner.....Mrs. J. Brulon, 1921 Geary,
 San Francisco.
 Architect...Godard & Cuthbertson, 328
 Montgomery, S. F.
 Day's work. COST, \$900

ALTERATIONS
 (2114) W GOUGH 50 N Clay. New
 foundation and concrete floor.
 Owner.....Mrs. Pickering, 1909 Clay,
 San Francisco.
 Architect...M. I. Lyon, 404 Lick Bldg.,
 San Francisco.
 Day's work. COST, \$900

BOILER
 (2115) NO. 1030 GEARY. Install
 steam boiler.
 Owner.....Chas. Weil, Cr. Architect.
 Architect...Bernard J. Joseph, New
 Call Bldg., S. F.
 Day's work. COST, \$900

ALTERATIONS
 (2116) SW PIONEER PLACE AND
 Fourth. Take out partitions from-
 ing clothes closets and wash closets
 so as to make room for forming a
 bath room in all rooms of hotel.
 Owner.....E. Rolkin, 44 Fourth, S. F.
 Architect...None.
 Day's work. COST, \$7000

FRAME APARTMENTS
 (2117) SE BAKER & GOLDEN GATE
 Ave. Three-story and basement
 frame (12) apartments.
 Owner.....J. V. Campbell, 1040 Bry-
 ant, San Francisco.
 Architect...None.
 Day's work. COST, \$17,000

MARBLE WORK
 (2118) N HAIGHT 187-6 E Central

Ave E 75xN 137-6. Marble and mo-
 saic work for building.
 Owner.....Third Church of Christ
 Scientist in San Francisco.
 Architect...Edgar A. Mathews, 251
 Post, San Francisco.
 Contractor...American Marble & Mo-
 saic Co., 25 Columbia Sq.,
 San Francisco.

Filed Aug. 17, '16. Dated Aug. 9, '16.
 On or before 10 of each month 75%
 Usual 35 days. 25%
 TOTAL COST, \$3260
 Bond, \$3260. Sureties, California Casu-
 alty Co. Limit, forfeit, none. Plans
 and specifications filed.

ALTERATIONS
 (2119) ON SEAWALL LOT 7 at NE
 Cor. Chestnut and Montgomery. Re-
 move present wood flooring, fill space
 with dirt and lay 6" concrete floor
 over present floor area of the Chest-
 nut street freight house of the West-
 ern Pacific Rail Road.

Owner.....The Western Pacific Rail-
 road Co., Mills Bldg., S. F.
 Architect...None.
 Contractor...E. H. Sundberg.
 Filed Aug. 17, '16. Dated July 29, '16.
 On completion 75%
 36 days after. 25%
 TOTAL COST, approximately 4,500 sq.
 ft. at 13c per sq. ft.
 Bond, \$500. Surety, National Surety
 Co. of New York. Limit, 60 days. For-
 feit, none. Plans and specifications
 filed.

RESIDENCE
 (2120) E TWENTY-FOURTH AVE 200
 S Geary E 120xS 25. All work for
 two-story and basement residence.
 Owner.....Dr. John J. Kingwell, 3260
 Geary, San Francisco.

Architect...None.
 Contractor...Fred O. McKay, 438 24th
 Ave., San Francisco.
 Filed Aug. 17, '16. Dated July 31, '16.
 Frame up\$710
 Brown coat on interior.....710
 Accepted710
 Usual 35 days.....710
 TOTAL COST, \$2840
 Bond, none. Limit, 90 working days
 from Aug. 1, 1916. Plans and speci-
 fications, none.

BOILER
 (2121) THIRD & CLARENCE PLACE.
 All work for installation of 50-h. p.
 Scotch Marine boiler, together with
 other apparatus and piping for bldg.
 Owner.....M. J. Brandenstein, 126
 Mission, San Francisco.
 Engineer...Leland & Haley, 58 Sutter
 San Francisco.

Contractor...The Burnham Plumbing
 Co., 1226 Webster, S. F.
 Filed Aug. 17, '16. Dated Aug. 12, '16.
 Monthly payments of.....75%
 Usual 35 days.....25%
 TOTAL COST, \$3722
 Bond, \$1400. Surety, California Casu-
 alty Co. Limit, 125 days from record-
 ing. Forfeit, none. Plans and speci-
 fications filed.

APARTMENTS
 (2122) S EDIY 27-6 E Hyde E 25xS
 87-6. All work for four-story and
 basement reinforced concrete apart-
 ments.
 Owner.....Margaret Nolan.
 Architect...Rousseau & Rousseau, 110
 Sutter, San Francisco.
 Contractor...Wm. Little, 753 8th Ave.,
 San Francisco.

Filed Aug. 18, '16. Dated Aug. 17, '16.
 1st floor joists set.....\$2000.00
 3rd floor joists set.....2000.00
 Concrete work completed and
 roof on2000.00
 Brown coated6000.00
 Completed and accepted.....5609.15
 Usual 35 days.....5869.75

TOTAL COST, \$23,478.90
 Bond, \$11,740. Surety, United State Fi-
 delity & Guaranty Co. Limit, 140 days.
 Forfeit, \$9. Plans and specifications
 filed.

PAINTING
 (2123) SE MARKET 75 SW Eighth SW
 200 SE 275 NE 155 NW 105 NE 45 NW
 170. All work for painting inside of
 Hotel Whitcomb.
 Owner.....James Otis, Trustee, 310
 California, San Francisco.
 Architect...Wright & Rushforth, 354
 Pine, San Francisco.

Contractor...Walter White.
 Filed Aug. 18, '16. Dated Aug. 15, '16.
 On 25th of each month.....50%
 Completed and accepted.....25%
 36 days after.....25%
 TOTAL COST—Actual cost of labor and
 material plus 10%. Total not to ex-
 ceed \$6000.

Bond, \$3000. Surety, United States Fi-
 delity & Guaranty Co. Limit, as fast
 as possible. Forfeit, \$5. Plans and
 specifications filed.

ALTERATIONS
 (2125) SW PINE AND TAYLOR. All
 work except painting for alterations
 to Pine street entrance vestibule of
 the Bella Vista Apartments.
 Owner.....George L. Fish, Premises.
 Architect...John Reid Jr., 1st National
 Bank Bldg., S. F.

Contractor...D. A. Comisky, 79 Park
 Hill Ave., San Francisco.
 Filed Aug. 18, '16. Dated Aug. 10, '16.
 Marble work installed.....\$250
 Completed and accepted.....497
 Usual 35 days.....248

TOTAL COST, \$995
 Bond, \$500. Sureties, Chas. Stauffer
 and May C. Comisky. Limit, 20 days.
 Forfeit, none. Plans and specifications
 filed.

COTTAGES
 (2125) NW MEDA AVE 175 NW Otsego
 Ave 50x70. Foundations, frame and
 inside and outside finish plastering,
 electric work and plumbing for two
 five-room cottages.
 Owner.....Jas. A. Arnott, 1322 3rd
 Ave., San Francisco.
 Architect...None.
 Contractor...Jas. Arnott & Son, 517 Noe,
 San Francisco.

Filed Aug. 18, '16. Dated Aug. 8, '16.
 Frames up25%
 Plaster on25%
 Completed and accepted.....25%
 Usual 35 days.....25%
 TOTAL COST, \$1950
 Bond, none. Limit, Dec. 8, 1916. For-
 feit, none. Plans and specifications
 filed.

NOTE:—1st report Nos. 2236 and 2237

STORES AND LOFTS
 (2126) W BATTERY 15-10 N Pine N
 110-2xW 137-6. Heating and struc-
 tural metal work, except Kawneer
 rolling doors and steel frame for
 tanks for six-story reinforced con-
 crete stores and lofts.
 Owner.....Jno. A. Hooper Bldg. by
 Kenneth MacDonald Jr.,
 Manager.

Architect Kenneth Macdonald Jr.,
Holbrook Bldg., S. F.
Contractor, Sartorius Co., 15th & Utah,
San Francisco.

Filed Aug. 18, '16. Dated Aug. 18, '16.
Payments not given.

TOTAL COST, \$5689
Bond, none. Limit, 30 days. Forfeit,
plans and specifications, none.

(2427) REINFORCED CONCRETE ON
above.
Contractor, P. A. Palmer, Monadnock
Bldg., San Francisco.

Filed Aug. 18, '16. Dated Aug. 10, '16.
On 1st and 15th of each month... 75%

TOTAL COST, \$91,000
Bond, none. Limit, 120 days. Forfeit,
plans and specifications, none.

(2428) PILE DRIVING OF 850 PILES
on above.
Contractor, C. E. Lamburth, 113 Capp,
San Francisco.

Filed Aug. 18, '16. Dated Aug. 10, '16.
Payments not given.

TOTAL COST, \$3400
Bond, none. Limit, 30 days. Forfeit,
plans and specifications filed.

LEASE.

SAN FRANCISCO COUNTY.

Aug. 15, 1916—NO. 1124 O'FARRELL
Margaret J Smyth to Hannah L Horne
5 years. \$1560.

Aug. 15, 1916—W HYDE 110-6 S Ellis
S 27xW 137-6. A B Johnson, F H
Martell, Thos J Campbell, William
Williams and Gus May to Manuel J
Neto. 3 years 9 months. \$12,150.

Aug. 15, 1916—S SIXTEENTH 168 E
Dolores E 65xS 110. Gerhard Bruns
to John L Polito. 10 years. \$7500.

Aug. 14, 1916—NO. 2295 BROADWAY
Cor. Fillmore. Catherine C McKenzie
to C B Crossfield. 1 year. \$37.50 per
month.

Aug. 14, 1916—NW CLEMENT AND
Tenth Ave W 120xN 75. I A Frazer
to J R Saul. 99 years with option
to purchase.

Aug. 14, 1916—NW TAYLOR & POST
W 60xN 30. B Hersch and B Heskins
to Mrs A J Porter and G W Miller.
4 years 1 month 14 days. \$24,733.33.

Aug. 14, 1916—S VALLEJO 156 E Stockton
S 61-6 W 18-6 S 19 E 70 N 19 W
33 N 61-6 N 18-6. Mary Jane and
Charlotte L Godkin to Giovanni
Cuneo. 5 years. \$50 per month.

Aug. 18, 1916—NO. 610 IRVING. James
P Nissum to Ben Maisler. 3 years.
\$1125.

Aug. 18, 1916—NO. 546 CLEMENT. E
L Kohlberg to Marie (wif F E) Keller
5 years. \$37.50 per month.

Aug. 18, 1916—NOS. 745 AND 749 POLK
and No 807 Ellis on SW Ellis and
Polk. M V Brady to D J Kappatos.
5 years. \$7500.

INCORPORATIONS.

Electric Display Corporation. Capital
Stock, \$100,000; subscribed, \$500;
shares \$100 each. Directors—F. H.
Willing; D. T. Bahcock, R. N. Willing;
P. D. Howse and I. J. Willing. 1 share
each. Place of business, S. F.

Western Mercantile Co. Capital
Stock, \$2000; subscribed, \$6; shares, \$2
each. Directors—L. Samuels; J. L.
Taeff; W. K. Slach. 1 share each. Place
of business, San Francisco.

Registering Valve Lock Co. Capital

Stock, \$25,000; subscribed, \$3. shares.
\$1 each. Directors—E. De Los Maguee;
H. C. Allen; G. A. Collum. 1 share each.
Place of business, San Francisco.

COMPLETION NOTICES.

San Francisco

RECORDED ACCEPTED

Aug. 12, 1916—W SEVENTEENTH
Ave 75 S "B" S 25 W 80 N 25 E 90.
George C Holberton to William
Plant. Aug. 2, 1916

Aug. 12, 1916—N BOSWORTH 152 E
Marsily E 42 N 51-4 m or 1 NW to
pt. 152 E Marsily S to beg ptn
Lots 23 and 24 Blk 1, De Boom Tct.

Jessie and Toso J Grady to J M
Andersen. Aug. 11, 1916

Aug. 12, 1916—NW SANSOME AND
Bush N 137-6xW 67-6. Standard
Oil Co by P J Walker Co, Agents to
New York Belting & Packing Co.

Aug. 3, 1916

Aug. 12, 1916—S BROADWAY 35 E
Fillmore E 39-9x100. E L Darri-
mon to L A Hinson. Aug. 11 1916

Aug. 14, 1916—N BERNARD 160-6 W
Jones W 23xN 60. P Bellegarde to
P H Grell. April 11, 1916

Aug. 14, 1916—E WISCONSIN 350 S
20th S 83 E 100 N 83 W 200. Chas.
E Reinhart to Alexander Martinet.

Aug. 12, 1916

Aug. 14, 1916—NE LAKE AND 22ND
Ave E 57-6xN 100. John H Sherry
to Charles A Liehart. Aug. 14, 1916

Aug. 14, 1916—S HOLLISTER 175 W
Jennings 50x100. G Davini to
Pastorini & Lindelli. Aug. 11, 1916

Aug. 14, 1916—SE ATHENS 200 NE
Russia Ave NE 25xSE 100 Ptn Lot
3 Blk 74, Excelsior Hd. Ass'n. Geo
Kowalkowski to Paul Brzusa. Aug. 7, 1916

Aug. 14, 1916—E TENTH Ave 300 S
Balboa S 25x E 120. A C Hurrell to
whom it may concern. Aug. 14, 1916

Aug. 14, 1916—S MISSION 117-6 W
Mary 80x160 to Minna. J B Reite
to whom it may concern. Aug. 14, 1916

Aug. 15, 1916—NO. 309 GOLDEN
Gate AVE. Wm H Crocker to
Hardwood Interior Co. Aug. 5, 1916;

Scott Co. Aug. 5, 1916; California
Plate & Window Glass Co. Aug. 5,
1916; Bradley & O'Reilly. Aug. 9,

1916; Otis Elevator Co. Aug. 5, 1916;
Porter Elec. Co. Aug. 5, 1916; L
Zimmerman. Aug. 5, 1916; John
Metzner, Inc. Aug. 10, 1916; A W
MacDonald. Aug. 5, 1916; National
Mill & Lumber Co. Aug. 5, 1916, and
B F Andes Co. Aug. 5, 1916

Aug. 15, 1916—NOS. 243-245 BUSH.
Crocker Estate Co to E B Henry
& Co., Aug. 8, 1916; B Mellano. Aug.
10, 1916; Mallott & Peterson. Aug. 11, 1916

Aug. 15, 1916—N HOWARD 387-6 E
6th E 25xN 90. Ralph Brown to
whom it may concern. Aug. 12, 1916

Aug. 15, 1916—SE HAYES AND OC-
tavia E 62-6xS 120. Daniel M Moran
to M E Hammond. Aug. 12, 1916

Aug. 15, 1916—E EIGHTEENTH Ave
275 N Balboa N 25x E 120. Oscar
Lind to whom it may concern. Aug. 15, 1916

Aug. 15, 1916—W NINTH Ave 350 S
Cabrillo S 25x120. Charles John-
son and Hilding Anderson to whom
it may concern. Aug. 15, 1916

Aug. 16, 1916—W TENTH Ave 100 N
Lawton — 120 N 25 E 120 S 25.
Mary A Quinn to A Ahlback. Aug. 7, 1916

Aug. 16, 1916—N MAGNOLIA AVE 165
W Buchanan W 27-6xN 120. Tony
Piazzo to Louis H Lee. Aug. 12, 1916

Aug. 17, 1916—W LEAVENWORTH
32-6 S Vallejo N 25xW 100. Michael
Dempiak to David Gibbs, F W
Beatty, C W Farron and Fred
Slepuznikoff. Aug. 15, 1916

Aug. 17, 1916—E TWENTY-FIFTH
Av 170 S Geary S 25x E 125. Francis
Mitchell to Spence & Walthall. Aug. 17, 1916

Aug. 17, 1916—N ELLIS 171 E Larkin.
Macdonald & Kahn and Japanese
American Co to whom it may
concern. Aug. 12, 1916

Aug. 17, 1916—LOT 19 BLK 16 Forest
Hill. May Wobber to Mager Bros.
Aug. 7, 1916

Aug. 17, 1916—S TWENTY-EIGHTH
177-4 E Dolores E 25-8xS 114. Meta
Rieper to A A Wesendunk. Aug. 15, 1916

Aug. 17, 1916—N LAKE 57-6 W 26th
Ave W 100xN 100. Gracie Yager to
W W Yager. Aug. 17, 1916

Aug. 17, 1916—BLK. BDED BY ALA-
meda, Florida, 16th and Alabama.
Southern Pacific Railroad Co and
Southern Pacific Co to Fay Im-
provement Co. Aug. 8, 1916

Aug. 17, 1916—N JACKSON 92-6 E
Polk E 22-6xN 127-8x4. Michael
Dempiak to David Gibbs, F W
Beatty, Gas & Elec Appl Co and
Fred Slepuznikoff. Aug. 15, 1916

Aug. 18, 1916—W EIGHTEENTH AVE
100 S Lake 25x120. Emma A Mc-
Carthy to L T McNabb. Aug. 18, 1916

Aug. 18, 1916—W FIFTH & MINT NW
50xSW 75. Boyd Invst Co to Gur-
nette & Chandler. Aug. 18, 1916

Aug. 18, 1916—W EIGHTEENTH AVE
275 S Anza S 25xW 120. James
Welsh to James Welsh & Co. Aug. 17, 1916

Aug. 18, 1916—W LARKIN 30 S Post
S 40xW 95. Savings Union Bank &
Turst Co to A P Brady. Aug. 11, 1916

Aug. 18, 1916—SE HAYES AND OC-
tavia E 62-6xS 120. Daniel M Moran
to Geo P Butler and Jno Cunn-
ingham, Exrs Estate Thos Butler, J
W Smith and Martin H Carrick. Aug. 15, 1916

Aug. 18, 1916—S MARKET & THIRD
SW 125 SE 100 NE 50 NW 30 NE
75 NW 70. City Investment Co to
Ralph McLeran and C H Peterson
(McLeran & Peterson). Aug. 15, 1916

Aug. 18, 1916—E UTAH 87-6 N 13th
N 25x E 100. Jacob and wife Anna
Cesar to W F Cook & Co. Aug. 18, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED AMOUNT

Aug. 12, 1916—S GERMANIA AVE
210 E Fillmore E 25xS 62. Gus
Johnson vs E C Duggan and Moore
& Burlingame. \$35

Aug. 12, 1916—W GUERRERO 65 N
17th. William Maundrell vs J S
Hofmeister and Frank E Berdahl
(as Hofmeister & Berdahl). \$309

Aug. 16, 1916—W SAN CARLOS AVE
210 N 19th N 26-6xW 80. Julius E
Back vs John F Haner. \$95

Aug. 16, 1916—S PINE 68-9 E San-
some E 34-4xS 96. The Simplex
Window Co vs Postal Realty Co and
D W Carmichael and D L Thorn-
bury. \$70.03

Aug. 16, 1916—NW POWELL & BUSH
77-6x53-6. Philip O'Donnell vs
Joseph Cahen and Edward J Green-
hood. \$50

Contractors all over the country are moving more material in less time and at a smaller expense with
FOUR WHEEL DRIVE TRUCKS
than with any other method of transportation.

Consider what power on all four wheels would mean for you in your business.

Large Contractors and corporations the world over are finding that power on all four wheels results definitely and decisively in:--

100 per cent saving in cost of tires.

Greater durability to every wearing part.

Allows equal distribution of load, thus

Eliminating undue strain on any one part.

Enormous saving in cost of up-keep.

More mileage per gallon of gasoline and oil.

DEPENDABLE SERVICE - no idle days waiting for repairs.

Remember that every F. W. D. Truck built in the past seven years is working to-day, and they are performing harder and more persistent service at a given cost than any other truck built to-day.

You owe it to yourself to investigate the F. W. D. truck.

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

**Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.,
Salt Lake City**

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on August 21st at 12 noon for street improvements authorized under the following resolutions. That Arthur street from 73rd avenue to Church street, as it exists between Arthur and Fresno streets, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, and paved with oil macadam.

That 2nd street from Webster street to Alice street be graded, curbed with granite, guttered with brick gutters 14 inches wide, and paved with asphalt, also that 1 brick catch basins with cast iron tops be constructed in 2nd street, one in each quarter of the north halves of the crossings of Harrison street and Alice street, also that vitrified pipe conduits, having internal diameters of 10 inches be constructed.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, William B. White, Pacific Bldg., S. F. Location, southwest 19th avenue and East 19th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, L. L. Granger, 1219 Monterey avenue, Oakland. Location, west Desmond north 51st street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, Edward Larmer, 470 Boulevard avenue, Oakland. Location, south Derby east Ellisworth. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 1 story and base, frame, \$2,000 each. Oakland, Cal. Architect, none. Owner, R. K. Larsen, 1221 30th avenue, Oakland. Location, west 27th avenue north East 14th street. Each dwelling will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,700. Oakland, Cal. Architect, none. Owner, A. T. Anderson, 7235 Lockwood avenue, Oakland. Location, south Brookdale avenue east Redwood. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$6,500. Oakland, Cal. Architects, Banning & Stewart, 521 Broadway, Oakland. Owners, Banning & Stewart. Location, south Clarendon west Ashmont. Will contain nine rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

CHURCH—2 story and base, frame, \$10,000. Piedmont, Alameda Co., Cal. Architect, Albert Farr, Foxcroft Bldg., S. F. Owners, Interdenominational Church. Will contain main auditorium, Sunday School rooms, social hall and pastor's study. Plans being prepared.

MUNICIPAL SHOP—1 and 2 story, brick, \$5,500. Berkeley, Alameda Co., Cal. Architect, City Architect W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. J.

Wandering presented the low figure for the new building to be erected in the corporation yards at \$8,175. All bids were taken under advisement. A complete list of these figures will be found under the heading of Oakland and Alameda County in this issue.

SHOP—1 story, brick. Cost not stated. Emeryville, Alameda Co., Cal. Architect, James H. Humphrey, Wells Fargo Bldg., S. F. Owners, Inland Floor Co. Location, Watts avenue. Will contain 11,000 feet of floor space. Additional kilns will also be erected. Plans complete and figures under advisement.

CREAMERY—2 story and base, brick \$12,000. Oakland, Cal. Architect, Claude B. Barton, First Savings Bank Bldg., Oakland. Owners, Oakland Cream Depot. Location, 14th and Willow streets. Will contain office, retail and wholesale departments. Plans complete and figures being taken.

PLANING MILL—2 story, frame, \$15,000. Oakland, Cal. Architect, none. Owners, Pacific Tank and Pipe Co., 5th and Bryant streets, S. F. Location, Tidal Canal near High street. Plans complete and work to be done by Day Labor.

TUBERCULOSIS SANITARIUM—6, 1 and 2 story, frame. Cost not stated. Livermore, Alameda Co., Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Bids will be opened on September 11th at 10 a. m. for the construction of six frame buildings. Plans can be secured from the County Clerk at Oakland.

RESIDENCES—4, 2 story and base, frame, \$3,700 to \$4,200. Oakland, Cal. Architect, none. Owner, C. M. MacGregor, 470 13th street, Oakland. Location, Lakeshore avenue east of Walla Vista. Will contain from six to eight rooms, bath and sleeping porches. Plans complete and work to be done by Day Labor.

SCHOOL—1 story and base, reinforced concrete. Cost not stated. Albany, Alameda Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Albany. Will contain eight class rooms and assembly hall. Plans complete and figures to be opened on September 1st at 2:30 p. m. Separate figures for general construction and heating and ventilating.

SCHOOL—1 story and base, hollow tile. Cost not stated. Albany, Alameda Co., Cal. Architect, John J. Donovan, Dalziel Bldg., Oakland. Owners, City of Albany. Will contain six class rooms and an assembly hall. Alternate proposals for reinforced concrete. Plans complete and figures being taken. Bids close on August 31st at 6:30 p. m.

RESIDENCE—1 story and base, frame, \$2,150. Oakland, Cal. Architect, none. Owner, Hannah M. Woolsey, 565 66th street, Oakland. Location, north 66th opposite Raymond. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$4,000. Piedmont, Alameda Co., Cal. Architect, none. Owner, R. H. Cooley, First Trust Bldg., Oakland. Location, southeast Blair and San Carlos. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,700. Oakland, Cal. Architect, none. Owner, Charles Westwood, 3819 Clark street, Oakland. Location, south

Athens east of Market. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

Contracts Awarded

SEWER CONSTRUCTION—\$771.75. San Leandro, Alameda Co., Cal. Engineer, City Engineer, San Leandro. Owners, City of San Leandro. Contractor, W. J. Tobin, 735 Filbert street, Oakland. Contract price, \$771.75.

STREET PAVING, ETC.—\$25,528.76. Alameda, Alameda Co., Cal. Engineer, City Engineer, Alameda. Owners, City of Alameda. Contractors, Clarke & Henery, Ochsner Bldg., Sacramento. Contract price, \$25,528.76.

HALL OF RECORD ANNEX—2 story and base, brick and steel. Cost as follows. Oakland, Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. The following contracts have been awarded for the construction of the Class A annex to be erected at 5th and Broadway, Oakland: Excavating, brick work, stone work, concrete, carpentry work, mill work, glass, stairs, steel fire doors, plastering and lathing, dampproofing, roof, sheet metal work, hardware, painting and skylights to Lester H. Stock, Hearst Bldg., S. F., \$87,165. Plumbing and gas fitting to Robert Dalziel, Jr., 218 1st street, S. F., \$3,707. Electric work to Electrical Construction Co., 312 12th street, Oakland, \$6,064. Marble work and tiling to E. Dineen, 40th and Grove streets, Oakland, \$9,126. Heating and ventilating to Bay Engineering Co., Market and Appar streets, Oakland, \$3,390. Elevator work to Otis Elevator Co., Beach and Stockton streets, S. F., \$2,845. Well boring and casing to Henry Crosby, First Savings Bank Bldg., Oakland, \$1,150.

RECEIVE FIGURES FOR
BERKELEY SHOP BLDG.

All Bids Received Taken Under Advisement and Referred to Architect W. H. Ratcliff, Jr.

The following bids were opened at the meeting of the Berkeley City Council held on August 15th for the construction of buildings in the Corporation Yard, designed by W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.

All bids were referred to the architect for consideration. Construction will be of brick.

Shop Building.

J. Wandering	\$8,475
Jones & McGovern	8,942
Grace & Bernieri	8,896
O'Connor & O'Connor	9,220
Walter Sorensen	9,486

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Am't.
1932	Nethkin	Nethkin	1000
1933	Hayashi	Hayashi	500
1934	Eva Estate	Dingwell	600
1935	Woodard	Woodward	2750
1936	Westwood	Westwood	1600
1937	Helmut	Kaler	1654
1942	Plechaty	Plechaty	2000
1943	Stanage	Stanage	2000
1944	Anderson	Brown	185
1945	MacGregor	Owner	3500
1946	Same	Same	3900
1947	Same	Same	3500
1948	Same	Same	3700

1919	Derby Est	Lydixsen	3000
1950	White	White	1000
1951	White	White	1700
1952	Dabney	Booth	10000
1962	Taylor	Thomas	1200
1963	Granger	Granger	2000
1964	Chambers	Cofer	2000
1966	Alameda Con	Stock	87165
1967	Same	Dalziel	3707
1968	Same	Elec Constr	6064
1969	Same	Dineen	9125
1970	Same	Bay Eng.	3330
1971	Same	OILS	2815
1972	Same	Crosby	1150
1980	Larsen	Larsen	2000
1981	Larsen	Larsen	2000
1982	Larsen	Larsen	2000
1983	Larsen	Larsen	2000
1984	Pac Tank & Pipe	Owner	15000
1985	Banning	Stewart	6300
1986	Patty	Patty	1000
1987	Ayers	Ayers	2350
1988	Anderson	Anderson	1700
1989	Colt	Pellaton	2000
1990	Flno	Malley	500
1995	Stand Gas Eng.	Scott	10151
1996	Newland	Johnson	600
1997	Wieland	Wieland	400
1998	Woolsey	Woolsey	2150
1999	Cooley	Cooley	4000

DWELLING
(1932) NW THIRTY-NINTH AVE & Kanning, Oakland. One-story 4-room dwelling.
Owner.....H. Nethkin, 3541 Porter, Oakland.
Architect...None.
Day's work. COST, \$1000

GREENHOUSE
(1933) NO. 2311 SEVENTY-THIRD Ave., Oakland. One-story greenhouse.
Owner.....H. Hayashi, Premises.
Architect...None.
Day's work. COST, \$500

ALTERATIONS
(1934) NO. 1001 BROADWAY, Oakland Alterations.
Owner.....Eva Estate, 245 Front, San Francisco.
Architect...Mau & Dingwell, Macdonough Bldg., Oakland.
Contractor...J. H. Dingwell, 2605 West, Oakland.
COST, \$600

DWELLING
(1935) W PARK BOULEVARD 110 N El Centro, Oakland. Two-story 7-room dwelling.
Owner.....Mabel Woodard, Oakland.
Architect...None.
Contractor...E. W. Woodard, 4021 Brighton Ave., Oakland.
COST, \$2750

DWELLING
(1936) S ATHENS 258 E Market, Oakland. One-story 5-room dwelling.
Owner.....Charles Westwood, 3819 Clark, Oakland.
Architect...None.
Day's work. COST \$1600

DWELLING
(1911) LOT 137 AND NW 1/2 LOT 136, Apricot Orchard Subdivision, Stonehurst, Oakland. All work for one-story dwelling.
Owner.....Louis and Katherine Hel-muth, Oakland.
Architect...None.
Contractor...M. C. Kaler, 1125 Fleet Road, Oakland.
Filed Aug. 14, '16. Dated May 12, '16.
Frame up\$500
Plastered 500
Completed Balance
TOTAL COST, \$1654
Bond, none. Limit, 60 days. Forfeit, 2. Plans and specifications filed.

DWELLING
(1942) W SANTA CLARA AVE 42 N Crescent, Oakland. Two-story 6-room dwelling.
Owner.....J. Plechaty, 1267 Euclid Ave., Oakland.
Architect...W. L. Broderick, 1207 Colusa Ave., Berkeley.
Day's work. COST, \$2000

DWELLING
(1943) E SEVENTY-SIXTH AVE 360 S E-14th, Oakland. One-story three-room dwelling.
Owner.....D. W. Stangue, 1540 Broadway, Oakland.
Architect...None.
Day's work. COST, \$750

REPAIRS
(1914) NO. 623 FIFTEENTH, Oakland Roof repairs.
Owner.....S. Anderson, Premises.
Architect...None.
Contractor...H. C. Brown Roofing Co., 565 16th, Oakland.
COST, \$165

DWELLING
(1945) S LAKESHORE AVE 800 E Walla Vista, Oakland. Two-story 8-room dwelling.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$3800

DWELLING
(1946) S LAKESHORE AVE 700 E Walla Vista, Oakland. Two-story 8-room dwelling.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$3900

DWELLING
(1917) S LAKESHORE AVE 750 E Walla Vista, Oakland. Two-story 8-room dwelling.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$3800

DWELLING
(1918) S LAKESHORE AVE 650 E Walla Vista, Oakland. Two-story 7-room dwelling.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$3700

BRICK ADDITION
(1919) W FRUITVALE AVE 50 S E-14th, Oakland. Brick addition to theatre.
Owner.....Derby Estate Co., Mills Bldg., San Francisco.
Architect...None.
Contractor...Geo. H. Lydixsen, 1211 29th Ave., Oakland.
COST, \$3000

DWELLING
(1950) W NINETEENTH AVE 40 S E-19th, Oakland. One-story 5-room dwelling.
Owner.....Wm. B. White, 508 Pacific Bldg., San Francisco.
Architect...None.
Day's work. COST, \$1400

DWELLING
(1951) SW NINETEENTH AVE & E-19th, Oakland. One-story 5-room dwelling.

Owner.....Wm. B. White, 508 Pacific Bldg., San Francisco.
Architect...None.
Day's work. COST, \$1700

BRICK APARTMENTS
(1952) S TENTH 60 E Oak E 40xS 60, Oakland. All work for three-story brick veneer apartments (6 3-room apartments).
Owner.....Lina Dabney, 2730 Webster Berkeley.
Architect...Sidney B. and Noble New-som, Nevada Bank Bldg., San Francisco.
Contractor...J. M. Booth, Berkeley.
Filed Aug. 15, '16. Dated Aug. 14, '16.
Frame up & roof being completed 1/4
Plastered 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4
TOTAL COST, \$10,000
Bond, none. Limit, 120 days. Forfeit, \$10. Plans and specifications filed.

DWELLING
(1962) N SEMINARY COURT 195 W Seminary Ave., Oakland. One-story 3-room dwelling.
Owner.....Dr. Miles Taylor, Head Bldg., San Francisco.
Architect...None.
Contractor...Thomas & Clark, 2202 Seminary Ave., Oakland.
COST, \$1200

DWELLING
(1963) W DESMOND 160 N 51st, Oak-land. One-story 5-room dwelling.
Owner.....E. L. Granger, 1219 Mon-terey Ave., Oakland.
Architect...None.
Day's work. COST, \$2600

ADDITION
(1964) NO. 1732 BRIDGE AVE., Oak-land. One-story 7-room addition to apartments.
Owner.....Benjamin Chambers, Prem.
Architect...None.
Contractor...J. E. Cofer, Premises.
COST, \$2200

EXCAVATING, ETC.
(1966) FIFTH & BROADWAY, Oak-land. Excavating, brick work, stone work, concrete, carpentry, mill work, glass, stairs, steel fire doors, plaster-ing and lathing, dampproofing, roof sheet metal work, hardware, paint-ing and skylights for construction of brick, steel and reinforced concrete annex to Hall of Records.
Owner.....County of Alameda.
Architect...Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor...Lester H. Stock, Hears't Bldg., San Francisco.
COST, \$87,165

(1967) PLUMBING AND GAS FITTING on above.
Contractor...Robert Dalziel Jr., 218 1st San Francisco.
COST, \$3707

(1968) ELECTRIC WORK ON ABOVE
Contractor...Electrical Constr. Co., 312 12th, Oakland.
COST, \$6064

(1969) MARBLE WORK & TILING on above.
Contractor...Dineen Marble Co., 40th & Grove, Oakland.
COST, \$9126

(1970) HEATING AND VENTILATING on above.
Contractor, Ray Engineering Co., Market and Apgar, Oakland.
COST, \$3390

(1971) ELEVATOR WORK ON ABOVE
Contractor, Otis Elevator Co., Beach and Stockton, S. F.
COST, \$2845

(1972) WELL BORING ON ABOVE.
Contractor, Henry Crosby, 1st Svgs. Bank Bldg., Oakland.
COST, \$1150

DWELLING
(1950) W TWENTY-SEVENTH AVE
176 N E-14th, Oakland. One-story 5-room dwelling.
Owner, R. K. Larsen, 1221 30th Ave., Oakland.
Architect, None.
Day's work. COST, \$2000

DWELLING
(1981) W TWENTY-SEVENTH AVE.
210 N E-14th, Oakland. One-story 5-room dwelling.
Owner, R. K. Larsen, 1221 30th Ave., Oakland.
Architect, None.
Day's work. COST, \$2000

DWELLING
(1982) W TWENTY-SEVENTH AVE.
142 N E-14th, Oakland. One-story 5-room dwelling.
Owner, R. K. Larsen, 1221 30th Ave., Oakland.
Architect, None.
Day's work. COST, \$2000

DWELLING
(1983) W TWENTY-SEVENTH AVE.
108 N E-14th, Oakland. One-story 5-room dwelling.
Owner, R. K. Larsen, 1221 30th Ave., Oakland.
Architect, None.
Day's work. COST, \$2000

PLANING MILL
(1984) TIDAL CANAL nr High St., Oakland. Two-story planing mill.
Owner, Pacific Tank & Pipe Co., 5th and Bryant, S. F.
Architect, None.
Day's work. COST, \$15,000

DWELLING
(1985) S CLARENDON CRESCENT
518 W Ashmont, Oakland. Two-story 9-room dwelling.
Owner, Manning & Stewart, 5215 Broadway, Oakland.
Architect, None.
Day's work. COST, \$6800

ADDITION
(1986) SW THIRTY-FIFTH AVE & California Rail Road Ave., Oakland. One-story 5-room addition.
Owner, S. M. Patty, 391 35th Ave., Oakland.
Architect, None.
Day's work. COST, \$1000

DWELLING
(1987) NEW ST., bet. 23rd and 25th Aves N E-27th, Oakland. One-story 5-room dwelling.
Owner, Annie L. Ayers, 2356 E-27th, Oakland.
Architect, None.
Contractor, R. B. Ayers, 2356 E-27th, Oakland.
COST, \$2250

DWELLING
(1988) S BROOKDALE AVE 657 E Redwood Road, Oakland. One-story 5-room dwelling.
Owner, A. T. Anderson, 7335 Lockwood, Oakland.
Architect, None.
Day's work. COST, \$1700

DWELLING
(1989) E MANILA AVE 350 S 42nd, Oakland. One-story 5-room dwelling.
Owner, C. B. Coit, 306 14th, Okd.
Architect, None.
Contractor, R. C. Pellaton, 306 14th, Oakland.
COST, \$2000

REPAIRS
(1990) NO. 2856 WEST, Oakland. Fire repairs.
Owner, F. Finn, 3001 Grove, Okd.
Architect, None.
Contractor, F. T. Malley, 3001 Grove, Oakland.
COST, \$500

FRAME ADDITION
(1995) DENNISON AND KING, Oakland. All work for two-story frame addition to factory.
Owner, Standard Gas Engine Co., Premises.
Architect, None.
Contractor, G. A. Scott, 685 23rd, Okd.
Filed Aug. 17, '16. Dated Aug. 10, '16.
Foundation completed 1/4
Frame work and floor joists completed 1/4
Completed 1/4
Usual 25 days 1/4
TOTAL COST, \$10,451
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ADDITION
(1996) S LAKESHORE AVE 125 E Excelsior, Oakland. Addition.
Owner, Mrs. E. Newland, Premises.
Architect, None.
Contractor, Oscar Johnson.
COST, \$600

GARAGE
(1997) E ALVARADO ROAD 300 S Eucalyptus Road, Oakland. Garage.
Owner, C. F. and L. B. Wieland, Hotel Claremont, Berkeley.
Architect, None.
Day's work. COST, \$400

DWELLING
(1998) N SIXTY-SIXTH opp. Raymond Oakland. One-story 6-room dwlg.
Owner, Hannah M. Woolsey, 568 66th, Oakland.
Architect, None.
Day's work. COST, \$2150

FRAME RESIDENCE
(1999) SE BLAIR AND SAN CARLOS Aves., Piedmont. One and one-half-story frame residence and garage.
Owner, R. H. Cooley, 1st Trust Bldg., Oakland.
Architect, None.
Day's work. COST, \$4000

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Am't.
1957	Loubens	Allen	700
1928	Chittenden	Kollmer	400
1929	Dull	Texdahl	4600
1916	Loubens	Allen	2000
1952	Univ Cal	Sound	106495
1954	Same	Deniville	27900

1955	Same	Porderer	10750
1956	Same	Knowles	23689
1957	Same	Kulchar	79994
1958	Same	Musto	7545
1959	Same	Scott	95640
1960	Same	Scott	14860
1961	Same	McFell	14685
1965	West Coast Kalso	Owner	500
1977	Larmer	Larmer	2000
1978	Brackett	Eckstrom	500
1979	Ellet	Heller	400
1991	Hector	Killkore	400
1992	Fraser	Mason	500
1993	Palmer	Reichel	400
1994	Wohbold	Kollmer	3560
2000	Riddell	Riddell	400
2001	Robie	Robie	400

ALTERATIONS
(1937) NO. 2951 BENVENUE, Berkeley
Alterations.
Owner, Louis J. Loubens, 2935 Berkeley.
Architect, None.
Contractor, F. E. Allen, 468 34th, Okd.
COST, \$700

ALTERATIONS
(1938) NO. 1529 SCENIC AVE., Berkeley. Alterations.
Owner, Mrs. Henry A. Chittenden, Premises.
Architect, None.
Contractor, Jacob Kollmer, 2813 Stuart, Berkeley.
COST, \$400

BRICK GARAGE
(1939) E SHATTUCK 50 S Woolsey, Berkeley. One-story brick garage.
Owner, C. O. Dull, 2017 Woolsey, Berkeley.
Architect, James W. Plachek, Acheson Bldg., Berkeley.
Contractor, C. Texdahl, 3035 Harper, Berkeley.
COST, \$4600

DWELLING
(1940) REAR NO. 2949 BENVENUE, Berkeley. Two-story 4-room dwlg.
Owner, Louis J. Loubens, 2935 Berkeley.
Architect, None.
Contractor, F. E. Allen, 468 34th, Okd.
COST, \$2000

EXCAVATING, ETC.
(1953) UNIVERSITY CAMPUS, Berkeley. Excavating and concrete work for building to be known as Hilgard Hall.
Owner, Regents University of California, Berkeley.
Architect, John Galen Howard, 604 Mission, San Francisco.
Contractor, Sound Constr. Co., Hearst Bldg., San Francisco.
COST, \$106,485

(1954) EXTERIOR FINISH ON ABOVE
Contractor, Paul E. Deniville, 524 Post San Francisco.
COST, \$27,900

(1955) ROOFING AND SHEET METAL work on above.
Contractor, Porderer Cornice Works, 262 Potrero Ave., S. F.
COST, \$10,750

(1956) INTERIOR FIRING, LATHING and plastering on above.
Contractor, Knowles & Mathewson, Call Bldg., S. F.
COST, \$25,669

(1957) CARPENTRY AND CABINET work on above.
Contractor, S. Kulchar & Co., 8th Ave. and E-10th, Oakland.
COST, \$79,994

(1958) MARBLE AND TERRAZZO
work on above.

Contractor..Joseph Musto Sons-Keenan
Co., 565 North Point, S. F.
COST, \$7545

(1959) PLUMBING ON ABOVE.

Contractor..Scott Co., 243 Minna, S. F.
COST, \$9640

(1960) HEATING AND VENTILATING
on above.

Contractor..Scott Co., 243 Minna, S. F.
COST, \$16,660

(1961) ELECTRIC WORK ON ABOVE

Contractor..McFell Electric Co., 223
Minna, San Francisco.
COST, \$14,685

WAREHOUSE

(1965) FIFTH AND GRAYSON, Ber-
keley. One-story warehouse.

Owner.....West Coast Kalsomine Co.,
Premises.

Architect...None.

Day's work. COST, \$500

DWELLING

(1977) S DERBY 120 E Ellsworth,
Berkeley. One-story 5-room dwlg.

Owner.....Edw. Larmer, 470 Boule-
vard Way, Berkeley.

COST, \$500

Architect...None.

ALTERATIONS

(1978) NO. 1622 FAIRVIEW, Berkeley.
Alterations.

Owner.....E. A. Brackett, 2517 1/2
Shattuck Ave., Berkeley.

Contractor..G. Eckstrom, 1643 Fair-
view, Berkeley.

Day's work. COST, \$2000

Architect...None.

GARAGE

(1979) NO. 9 THE UPLANDS, Ber-
keley. Garage.

Owner.....Mrs. Luella Ethel, Prem.
Architect...None.

Contractor..H. A. Helliier, 1388 E-27th,
Oakland.

COST, \$400

ALTERATIONS

(1991) NO. 2011 YOLO, Berkeley.
Alterations and additions.

Owner.....Dr. Robt. Hector, Premises
Architect...None.

Contractor..W. A. Killgore, 5305 Lock-
sley Ave., Oakland.

COST, \$400

ADDITION

(1992) NO. 2725 FOREST AVE., Ber-
keley. Addition.

Owner.....E. A. Fraser, Premises.
Architect...None.

Contractor..Mason-McDuffie Co., Shat-
tuck Ave. and Addison,
Berkeley.

COST, \$506

ALTERATIONS

(1993) NO. 2511 BENVENUE AVE.,
Berkeley. Alterations.

Owner.....Miss Palmer, Premises.
Architect...None.

Contractor..Paul R. Reichel, 1626
Joseph, Berkeley.

COST, \$400

DWELLING

(1994) W BONITA 160 N Rose, Ber-
keley. Two-story 7-room dwelling.

Owner.....J. H. Wolhold, 1709 Sono-
ma, Berkeley.

Architect...None.

Contractor..Jacob Kollmer, 2813
Stuart, Berkeley.

COST, \$3500

ALTERATIONS

(2000) NO. 2247 TELEGRAPH AVE.,
Berkeley. Alterations.

Owner.....Riddell Bldg Service Corp.,
Premises.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(2001) NO. 1815 CALIFORNIA, Ber-
keley. Alterations.

Owner.....R. W. Robie 1224 Spruce,
Berkeley.

Architect...None.

Day's work. COST, \$100

Building Contracts Awarded

Alameda

No.	Owner	Contractor	Am't.
1973	Sacconage	Carp	1850
1974	Nield	Mehrtens	2000
1975	Brewer	Brewer	400
1976	Nissen	Martin	700

DWELLING

(1973) S PACIFIC AVE bet. 1th and
5th, Alameda. One-story 5-room
dwelling

Owner.....F. Sacconage.

Architect...None.

Contractor..R. Caru, 93 Levant, San
Francisco.

COST, \$1850

DWELLING

(1974) COR. PACIFIC AVE & NASON,
Alameda. One-story 5-room dwelling.

Owner.....John L. Nield, 818 Pacific
Ave., Alameda.

Architect...None.

Contractor..H. G. Mehrtens, 1536 Web-
ster, Alameda.

COST, \$2000

ALTERATIONS

(1975) NO. 2228 PACIFIC AVE., Ala-
ameda. Alterations.

Owner.....Agnes Brewer, Premises.
Architect...None.

Contractor..H. S. Brewer, Premises.
COST, \$400

DWELLING

(1976) NO. 2504 EAGLE AVE., Ala-
ameda. One-story 3-room dwelling.

Owner.....G. P. Nissen, 2500 Eagle
Ave., Alameda.

Architect...None.

Contractor..Paye B. Martin, 1513 Sher-
man, Alameda.

COST \$700

ALAMEDA COUNTY BUILDING SUM- MARY FOR JULY.

Classification of Buildings.	No.	Permits	Costs
1-story dwelling.....	63	\$ 99,068.00	
1 1/2-story dwelling.....	1	11,800.00	
2-story dwelling.....	19	69,623.50	
2-st dwelling & stores 2		4,100.00	
2-story flats.....	1	4,500.00	
2-story apartments.....	1	22,000.00	
2-story warehouse.....	1	50,000.00	
1-story warehouse.....	1	1,800.00	
1-story mil building.....	1	19,000.00	
2-story school hall.....	1	19,554.00	
2-story bunk house.....	1	1,000.00	
2-story brick shop bldg	1	3,682.00	
1-story garage.....	1	6,500.00	
1-story cleaning works	2	1,350.00	
1-st concrete garages..	3	620.00	
1-story supply station	1	320.00	

Contractor..	1	25.00
Electric signs.....	5	1,005.00
Offices, shed, and tables.....	48	7,504.50
Work shops, tank frames and barns....	4	1,181.00
Additions.....	36	19,068.00
Alterations and repairs	97	31,315.00

Total.....294 \$357,126.00

SUMMARY

New construction.....197 \$325,811.00

Alterations and repairs 97 31,315.00

Total.....294 \$357,126.00

ALAMEDA

July, 1916.....\$106,457.00

BERKELEY

July, 1916.....\$121,350.00

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED

Aug. 12, 1916—NW TELEGRAPH AV
and 24th N 100xW 99, Okd. Som-
marstrom Invst Co to whom it
man concern.....Aug. 11, 1916

Aug. 12, 1916 LOT 10 BLK "A" Map
Triangle Park, Bkly. Roy O Long
to Mason-McDuffie Co.....Aug. 5, 1916

Aug. 12, 1916—LOT 21 BLK 7 Map
Shaw Tract Bkls 1, 6, 7, 8 and 9,
Bkly. W H McNaughton to Mason-
McDuffie Co.....Aug. 9, 1916

Aug. 11, 1916—LOT 137 AND NW 1/2
Lot 138, Okd. Louis and Katherine
Helmuth to M C Kaler.....Aug. 12, 1916

Aug. 11, 1916 LOT 57 BLK 8 Map
Steinway Terrace, Okd. Sara Jane
Braslan to Pratt & Tuttle.....Aug. 12, '16

Aug. 11, 1916—LOT 19 BLK 7 Map
Shaw Tract Bkls 4, 6, 7, 8 and 9,
Bkly. W H McNaughton to Mason-
McDuffie Co.....Aug. 12, 1916

Aug. 15, 1916—W BONITA, bet. Rose
and Berryman, Bkly. Caroline
Wolhold to Jacob Kollmer.....
.....Aug. 15, 1916

Aug. 16, 1916—LOT 17 BLK 14 Map
San Pablo Park, Berkeley. George
and Anna Bradley to O M & H G
Patrick.....Aug. 14, 1916

Aug. 16, 1916—LOT 21 BLK "M" Map
No. 3 of Sbdn of Ptn Central Oak-
land Tract; E Telegraph Ave, Okd.
Clifford J Andrus to whom it may
concern.....Aug. 16, 1916

Aug. 16, 1916—LOT 4 BLK 1 Amended
Map Ptn La Loma Park & Wheeler
Tract, Bkly. Chas F Shaw by James
W Plachek to John W Jessiman.....
.....Aug. 12, 1916

Aug. 16, 1916—E WASHINGTON 50 N
Fifth E 75xN 50, Okd. A Paladini
by Welsh & Carey to F J Edwards
assigned to M V Brady.....Aug. 16, 1916

Aug. 17, 1916—PTN LOT 16 BLK 9
Map Northbrae, Oakland Tp. Clare-
nce Graham Jones to whom it
may concern.....Aug. 16, 1916

Aug. 17, 1916—W TWENTY-FOURTH
317 50 E Valdez E 40xN 100, Okd.
L E Allen to O E Allen.....Aug. 11, 1916

Aug. 17, 1916—PTN LOTS 3, 4 AND 5
Map W G Henshaw's Sbdn Lots at
24th and Bay Place, Okd. L E
Allen to whom it may concern.....
.....Aug. 11, 1916

Aug. 18, 1916—SE PRINCE AND
Shattuck Ave E 100 S 40 W 102-6
N 40.064, Bkly. C W Coles to Geo
W Patton.....Aug. 15, 1916

Aug. 18, 1916—N 123 LOT 21 BLK "D",
Map Broadway Terrace, Okd. M I
Deags, Hazelle E and W R Martin
to Woolley & Rich.....Aug. 5, 1916

Aug. 18, 1916—LOT 1 in Map Emmons Tract, Alameda. R H Banning and Jas E Stewart to whom it may concern.....Aug. 12, 1916
 Aug. 18, 1916—NE ALLEN and LOS Angeles Ave E 80xN 100, Okd. C H Cutler to Thomas Rutherford.....
Aug. 18, 1916

LIENS FILED

ALAMEDA COUNTY.

Aug. 12, 1916—LOT 122 and S 5 LOT 124 Map Terminal Junction Tract, Albany. A H Bar (Bar Mercantile Co) vs A R and Annie D Morris..... \$135.72
 Aug. 12, 1916—LOT 118 of E 10 Lot 17 Map Terminal Junction Tract, Albany. A H Bar (Bar Mercantile Co) vs A R and Annie D Morris..... \$144.72

SAN JOSE AND THE SANTA CLARA VALLEY

STREET PAVING, ETC.—Cost not stated. San Mateo, San Mateo Co., Cal. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. Plans and specifications having been approved the San Mateo Trustees will shortly issue a call for bids for the paving of Hayward Park, a resident tract in the extreme southerly portion of the city. This is the last extensive area in that city which remains to be paved.

RESIDENCE—2 story and base, frame, \$10,000. Los Altos, Santa Clara Co., Cal. Architect, Mr. Merchant, care of George W. Kelham, Sharon Bldg., S. E. Owner, Dr. T. E. Shumate. Will contain ten rooms, three baths and sleeping porches. Separate garage. Plans complete and figures being taken.

RECORDER'S OFFICE FIXTURES—San Jose, Santa Clara Co., Cal. Architect, none. Owners, Santa Clara County. The County Supervisors have extended the time for opening bids for fixtures for the County Recorder's office. The original time was August 21st, which has now been set for September 5th at 11 a. m. Plans for this work may be secured from County Clerk Henry A. Pfister.

SCHOOL ADDITION—1 story and base, frame, \$13,000. San Jose, Santa Clara Co., Cal. Architect, P. G. Aitkin, Theatre Bldg., San Jose. Owners, City of San Jose. Addition will include an assembly hall and the equivalent of seven class rooms. Plans have been officially approved by the Board of Education.

STREET PAVING—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, City Engineer, Redwood City. Owners, Redwood City. Claiming a mistake in their bid, Peterson & Grier, 62 Post street, S. F., have been released from their contract for paving with oil and macadam Seminary avenue in the Second Township. New bids were ordered received for the work. Plans may be had from the County Clerk.

HIGHWAY IMPROVEMENT—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. All bids received by the County Supervisors for paving with oiled macadam Mills avenue and portions of Laurel avenue in Menlo Park were rejected, excepting that of Thomas Flynn, which was taken under advisement.

APARTMENT HOUSE—2 story and base, frame, \$15,000. San Mateo, San Mateo Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, J. A. Lee. Will contain a number of two, three and four room apartments. Plans being prepared.

Contracts Awarded

SEWER CONSTRUCTION—\$6,633. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Contractor, William F. Edwards, 675 31st street, Oakland. Contract price, \$6,633.

SCHOOL—1 story and base, frame, \$18,000. Campbell, Santa Clara Co., Cal. Architect, P. D. Wolfe, San Jose. Owners, Campbell School District. Contractor, E. L. Wolfe, San Jose. Contract price, \$18,000. A complete list of these figures will be found under the heading of San Jose and the Santa Clara Valley in this issue.

SCHOOL—1 story and base, frame and plaster, \$18,000. Campbell, Santa Clara Co., Cal. Architect, P. D. Wolfe, San Jose. Owners, Campbell School District. Contractor, E. L. Wolfe, 131 Coe street, San Jose. Contract price, \$18,000.

WILL AWARD CONTRACT FOR CAMPBELL SCHOOL.

E. L. Wolfe of San Jose Presents Low Figures for Building Designed by Architect Wolfe.

SAN JOSE, Cal., Aug. 14, 1916—The school trustees of Campbell District, Santa Clara County, met August 12th and opened bids for the new school in that district. E. L. Wolfe of San Jose was low bidder, his bid being \$18,000, just \$500 under Architect P. D. Wolfe's estimate.

The contract was not awarded, the matter being laid over until Monday evening, August 14th, to give the trustees more time for consideration.

Following were the bidders and the amounts bid:

E. L. Wolfe, San Jose.....	\$18,000
Geo. Whitney, Campbell.....	19,559
Delbert H. Maine, San Jose.....	20,267
Lester H. Stock, San Francisco.....	20,445
Bos & O'Brien, S. F.....	21,219
V. E. Parrish, San Jose.....	21,250

BUILDING CONTRACTS

SANTA CLARA COUNTY.

ADDITION
HORACE MANN SCHOOL GROUNDS, San Jose. All work for one-story frame addition to Horace Mann School.

Owner.....San Jose Board of Education.

Architect...F. D. Wolfe, Bank of Italy Bldg., San Jose.

Contractor..C. F. Keesling, Coe Ave., San Jose.

Filed Aug. 10, '16. Dated Aug. 9, '16.

Frame up	\$1000
Brown coat plaster on.....	1000
Job accepted	912
Usual 35 days.....	1000

TOTAL COST, \$3912

Bond, \$2000. Sureties, R. G. Mitchell and Edwin E. Keesling. Limit, 100 days after filing. Forfeit, none. Plans and specifications filed.

ADDITION

LOWELL SCHOOL SITE, San Jose. All work for one-story frame addition to Lowell School.

Owner.....San Jose Board of Education.

Architect...F. D. Wolfe, Bank of Italy Bldg., San Jose.

Contractor..C. F. Keesling, Coe Ave., San Jose.

Filed Aug. 10, '16. Dated Aug. 9, '16.

Frame up	\$1000
Brown coat plaster on.....	1000
Accepted	912
Usual 35 days.....	1000

TOTAL COST, \$3912

Bond, \$2000. Sureties, R. G. Mitchell and Edwin E. Keesling. Limit, 100 days after filing. Forfeit, none. Plans and specifications filed.

REPAIRS

NO. 337 N-FOURTH ST., San Jose. All work for repairs of brick warehouse.

Owner.....Salinas Valley Grain & Produce Co., Premises.

Architect...G. W. Page, Rea Bldg., San Jose.

Contractor..J. H. Miller, 1041 S-Second St., San Jose.

Filed Aug. 14, '16. Dated Aug. 14, '16.

As work progresses.....	75%
Usual 35 days.....	25%

TOTAL COST, \$3400

Bond, \$1700. Sureties, T. B. Hubbard and W. A. Beall. Limit, 30 days from filing. Forfeit, none. Plans and specifications filed.

BUSINESS BUILDING

HAMILTON AVE and EMERSON ST., Palo Alto. All work for one-story business building.

Owner.....Fred A. Taylor.

Architect...Charles M. Moffet Co.

Contractor..E. A. Hettlinger, 253 Hamilton Ave., Palo Alto.

Filed Aug. 14, '16. Dated Aug. 12, '16.

On 1st and 15th of each month.....	75%
Usual 35 days.....	Final

TOTAL COST, \$9183

Bond, \$4594. Sureties, Alois Diss and W. O. Horabin. Limit, 70 days from date. Forfeit, \$10 per day. Plans and specifications filed.

FRAME SCHOOL

FIRST WARD, San Jose. All work for one-story frame school.

Owner.....School Board of San Jose.

Architect...Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contractor..P. T. Jorgensen, 113 W-Santa Clara, San Jose.

Filed Aug. 12, '16. Dated Aug. 2, '16.

Foundation	\$1500.00
Frame up	4000.75
Building enclosed & roofed.....	4000.75
1st coat plaster inside.....	4000.75
Job accepted	4000.75
Usual 35 days.....	5900.00

TOTAL COST, \$23,403.00

Bond, \$11,701.50. Sureties, J. A. Chase and G. W. Dobson. Limit, 120 days from filing. Forfeit, none. Plans and specifications filed.

CLASS "C" SCHOOL
PALO ALTO. One-story andy basement
 "Class "C" school building.

Owner.....Stanford School District.

Architect...John J. Donovan, Daiziel Bldg., Oakland.

Contractor..Roberts Glaze, Humboldt Bank Bldg., S. F.

COST, \$20,952

ELECTRIC WORK

LELAND STANFORD JR. CAMPUS,
Palo Alto. Electrical work for
Enclina Hall.

Owner.....Stanford University.
Engineers...Hunter & Hudson, Rialto
Bldg., San Francisco.

Contractor...The Electrical Constr. Co.,
312 12th St., Oakland.

Filed Aug. 16, '16. Dated Aug. 8, '16.
Payments each month of..... 75%
30 days after.....Final

TOTAL COST, \$4562
Bond, \$2251. Surety, Aetna Accident &
Liability Co. Limit, 40 days from date
of instrument. Forfeit, none. Plans
and specifications filed.

HEATING SYSTEM ON ABOVE.

Contractor...Kiernan & O'Brien, 1754
Mission, San Francisco.

Filed Aug. 16, '16. Dated Aug. 11, '16.
Payments same as above.....

TOTAL COST, \$3376
Bond, \$1938. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 40 days
from Aug. 15. Forfeit, none. Plans
and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED
Aug. 14, 1916—**EAST MENLO PARK**
and Santa Cruz Road-Corte Madera.
Mrs Elise A Drexler to Peterson-
James Co.....Aug. 5, 1916
Aug. 16, 1916—**NO. 750 S-SIXTH ST.,**
San Jose. Mr and Mrs W J Telfer
to R C Herschbach.....Aug. 16, 1916

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME RESIDENCES
PTN LOT 3 BLK 117, South San Fran-
cisco. All work except plumbing,
electric wiring, painting and light-
ing fixtures for two two-story and
basement frame residences.
Owner.....Hertha H. Knott, South
San Francisco.

Superintendent John E. McCarthy, 1340
13th Ave., San Francisco.

Contractor...Geo. J. Doering.

Filed Aug. 12, '16. Dated Aug. 14, '16.
Frames up\$1580.50
Brown plastered 1580.50
Completed and accepted..... 1580.50
Usual 35 days..... 1580.50

TOTAL COST, \$6322.00
Bond, \$3161. Surety, New Amsterdam
Casualty Co. Limit, 50 days. Forfeit,
none. Plans and specifications filed.

COTTAGE

LOT 11 BLK 4 East San Mateo, San
Mateo. All work for 5-room cottage.
Owner.....Susanne M. Dalve, Wood-
side, Cal.

Architect...None.
Contractor...Arnold & Morey, San
Francisco.

Filed Aug. 11, '16. Dated Aug. —, '16.
Rough frame up.....\$532.50
Rough plastered 532.50
When completed 532.50
Usual 35 days..... 532.50

TOTAL COST, \$2130.00
Bond, none. Limit, 50 days. Forfeit,
none. Plans only filed.

Owner.....Southern Pacific Company,
Flood Bldg., S. F.
Architect...None.

Contractor...W. P. Jones & J. J. Mc-
STATION

EASTON, CAL. All work for station.
Govern, 2218 Los Angeles
St., Berkeley.

Filed Aug. 14, '16. Dated July 26, '16.
Usual 35 days.....\$1393

TOTAL COST, \$1393
Bond, \$700. Surety, Casualty Co. of
America. Limit, Sept. 30, 1916. For-
feit, none. Plans and specifications
filed.

RESIDENCE

LOTS 1, 2, 3, 12, 13, 14 BLK 15, Burl-
lingame Hills, Burlingame. Exca-
vating, grading, plain and reinforced
concrete work, etc., for two-story
residence.

Owner.....Mrs. Edwin A. Christenson
2334 Lake, San Francisco.

Architect...Charles E. Gottschalk,
Phelan Bldg., S. F.

Contractor...J. Pasqualetti, 785 Market,
San Francisco.

Filed Aug. 11, '16. Dated Aug. 7, '16.
Payments of.....75% and 25%

TOTAL COST, \$3820
Bond, \$1915. Sureties, P. Barale and
F. Rocca. Limit, 40 days. Forfeit,
none. Plans and specifications filed.

FRAME DWELLING, ETC.

LOT 2-B Agnes Bowie Estate, Hills-
borough. Excavation and grading,
concrete and brick work, lumber and
mill work, painting, plumbing, etc.,
for concrete studio, frame garage and
two-story frame dwelling.

Owner.....Stewart Edward White.
Santa Barbara, Cal.

Architect...Howard & White, Lick
Bldg., San Francisco.

Contractor...Charles Pederson, S. F.

Filed Aug. 17, '16. Dated Aug. 14, '16.
Roof on garage and studio.....\$2544.00
Frame of house up..... 2544.00
When plastered 2544.75
Completed and accepted..... 2544.75
Usual 35 days..... 3392.50

TOTAL COST, \$12,570.00
Bond, \$7000. Surety, National Surety
Co. Limit, 150 days. Forfeit, none.
Plans and specifications filed.

GARAGE

SELBY TRACT, near Menlo. Concrete
work, carpentry, plastering, plumb-
ing, electric wiring, etc., for two-
story frame and plaster garage.

Owner.....Anzel Guirola, San Salva-
dor, Central America.

Architect...Charles Ed. Hodges, 742
Market St., San Francisco
and Palo Alto, Cal.

Contractor...W. F. Fox, 825 Couper St.,
Palo Alto.

Filed Aug. 17, '16. Dated Aug. 14, '16.
Framed, etc.\$312
When roofed 312
When completed 312
Usual 35 days..... 314

TOTAL COST, \$1250
Bond, \$650. Sureties, H. T. Taylor and
H. I. Hull. Limit, 35 days. Forfeit,
\$2 per day. Plans and specifications
filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED
Aug. 11, 1916—**LOTS 34 AND 36 BLK**
59, Easton Add'n to Burlingame No.
7, Burlingame. Leo J Ruegg to
whom it may concern.....Aug. 11, 1916

Aug. 15, 1916—**17TH LOT 4 BLK**
10, Burlingame Land Co., Bur-
lingame. H W Regan to Chris-
tensen & G F Larsen ...Aug. 4, 1916
Aug. 15, 1916—**LOT 37 BLK 26,**
Crocker Estate Tract Sub. No. 1,
Daly City. Edward L. Wigger to
Chas N Carlson.....Aug. 12, 1916
Aug. 15, 1916—**LOT 9 BLK 39, Easton**
Addition to Burlingame, Burl-
ingame. H W St. John to whom it
may concern.....Aug. 2, 1916
Aug. 11, 1916—**LOT 24 BLK 4 East**
San Mateo, San Mateo. Margaret
Daly to S McClure.....July 20, 1916
Aug. 15, 1916—**POLHEMUS TRACT,**
Atherton. Mrs James G Sharp to
Wm Casey.....Aug. 14, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES

STREET AND SEWER WORK —
\$35,000. Richmond, Contra Costa Co.,
Cal. Engineer, City Engineer Chap-
man, Richmond. Owners, City of Rich-
mond. City Engineer Chapman has
completed plans for sewer and street
improvements. The plans provide for
a lateral sewer in the Bay Shore Tract,
improvement of 45th street from Po-
trero street to the Southern Pacific
tracks and the improvement of 15th
street.

STREET IMPROVEMENTS—Cost not
stated. San Rafael, Marin Co., Cal.
Engineer, County Surveyor, San Rafael.
Owners, Marin County. County Sur-
veyor Richardson was directed at the
last meeting of the Supervisors to pre-
pare plans and specifications for level-
ing up and macadamizing Grant ave-
nue from the State highway to the
depot in Novato, so bids for doing the
work can be called.

HIGHWAY IMPROVEMENT — Cost
not stated. Fairfield, Solano Co., Cal.
Engineer, County Surveyor, Fairfield.
Owners, Solano County. The specifi-
cations for graveling a part of Road
173, Road District No. 4, were adopted
by the Supervisors at their last meet-
ing and the Clerk directed to advertise
for bids to be opened on Tuesday, Sep-
tember 5th at 11 o'clock a. m. Plans
may be had from the County Clerk.

STREET PAVING—\$135,828.52. Val-
lejo, Solano Co., Cal. Engineer, City
Engineer, Vallejo. Owners, City of
Vallejo. Bids were opened at the Au-
gust 16th meeting of the City Council
for street paving in the northern sec-
tion of the city. The Warsawick Con-
struction Co. submitted the lowest fig-
ure at \$135,828.52 and will probably
be awarded the contract. Three sets
of bids were taken under advisement.
Warswick Construction Co., \$135,828.
52; Bates, Borland & Ayer, \$126,789.82;
Federal Construction Co., \$128,897.87.
Other firms submitting figures for the
work were Ralsch Improvement Co.,
Paul & Caldwell, Clarke & Henery and
Johnson-Shea Co.

RESIDENCE — 2 story and base,
frame, \$3,000. Pittsburg, Contra Costa
Co., Cal. Architect, none. Owner,
Adolph Grabstein, Pittsburg. Location,
7th and Cumberland. Will contain
seven rooms, bath and sleeping porch.
Plans complete and work to be done
by Day Labor.

SCHOOL—1 story and base, frame,
\$12,680. Danville, Contra Costa Co., Cal.
Architect, Norman R. Coulter, 46 Kear-
ny street, S. F. Owners, San Ramon
Valley Union High School District.

Keller & Crane, 34 Grand avenue, S. F., presented the low figure for this work and will be awarded a contract as soon as an irregularity in the bond issue can be overcome. A complete list of the bids appears under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

ROAD IMPROVEMENTS — \$1,550. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. A bid submitted to the County Supervisors by the Western Motor Drayage Co., 1444 Church street, S. F., for rough surfacing of various strips of the county highway, ranging from a mile to a mile and a half, was taken under advisement.

FLATS—2 story and base, frame. Cost not stated. Petaluma, Sonoma Co., Cal. Architect, none. Owner, Mrs. Annie M. Ascherman, Keller street, Petaluma. Location, Keller street. Will contain three modern flats. Plans being prepared.

SCHOOL—1 story, frame, \$3,000. Avon, Contra Costa Co., Cal. Architect, none. Owners, Avon School District. Will contain one class room. Plans complete and figures to be opened on September 7th at 11 a. m.

Contracts Awarded.

BANK—1 story and base, reinforced concrete and brick. Cost not stated. Napa, Napa Co., Cal. Architect, L. M. Turton, Napa. Owners, First National Bank of Napa. Contractor, E. W. Doughty, Napa. Contract price not stated.

HOSPITAL, WARD—1 story, frame, \$850. San Rafael, Marin Co., Cal. Architect, none. Owners, Marin County. Contractor, J. P. Williams, West End avenue, San Rafael. Contract price, \$850.

WHARF—Reinforced concrete, \$60,000. Richmond, Contra Costa Co., Cal. Engineer, Engineering Department Standard Oil Co., S. F. Owners, Standard Oil Co. Contractors, Healy-Tibbits Construction Co., 9 Main street, S. F. Contract price, \$60,000.

RECEIVE FIGURES FOR NEW DANVILLE SCHOOL.

Kellar & Crane, San Francisco, Will Probably be Awarded Contract For Frame Building.

Ten sets of figures were received by the Trustees of the San Ramon Valley Union High school District at Danville, Contra Costa County, on August 12th for the construction of the new school building, designed by Architect Norman R. Coulter, 16 Kearny street, San Francisco. Each contractor submitted two figures. Bid No. 2 providing for finishing all rooms. Kellar & Crane, 94 Miramar avenue, San Francisco, presented the low figures on both propositions. Bids were taken under advisement. Following is a complete list of the bids:

Danville School.		
Bidder	No. 1	No. 2
Kellar & Crane.....	\$12,680	\$13,760
Caldwell & Son.....	12,830	11,800
C. E. Thurston.....	13,880	11,940
A. D. Nelson.....	13,186	15,060

W. C. Dohrman.....	13,126	15,475
R. Glaze.....	13,998	16,150
Steven H. Johnston.....	14,395	16,430
Jones & McGovern.....	14,195	16,841
W. D. Henderson.....	15,980	17,475
Harvey A. Klyce.....	16,285	17,680

BUILDING CONTRACTS

MARIN COUNTY.

ALTERATIONS

ROSS, Marin Co. All work for alterations and additions to church.
Owner.....St. John's Episcopal Church.

Architect...W. Garden Mitchell.
Contractor...Bankers' Invest. Bldg., S. F.

Filed Aug. 11, '16. Dated Aug. 10, '16.
Frame up\$200
When completed280
Usual 35 days.....166
TOTAL COST, \$646

Bond, limit, forfeit, none. Plans and specifications filed.

COUNTY FARM, Marin County. Addition to tuberculosis ward.
Owner.....Marin County.
Architect...None.

Contractor...J. P. Williams, West End Ave., San Rafael.
COST, \$550

FRAME DWELLING

BEVEDEERE, Marin County. All work for two-story and basement frame dwelling.

Owner.....Mrs. M. P. Hellmann.
Architect...Albert Farr, 65 Post, S. F.
Contractor...E. Ellingson, Fairfax.
Filed Aug. 15, '16. Dated Aug. 7, '16.
Frame up\$978
When plastered978
Door jams on.....978
When completed978
Usual 35 days.....978
TOTAL COST, \$5220

Bond, \$2610. Surety, New Amsterdam Casualty Co. Limit, 70 days. Forfeit, none. Plans and specifications filed.

FRAME BUILDING

POINT REYES. All work for frame building.

Owner.....The Building Committee of Court Point Reyes, Foresters of America.

Architect...Thos. O'Connor, San Rafael
Contractor...Resfe E. Silacci, Olema, Cal.
Filed Aug. 14, '16. Dated Aug. 12, '16.
Frame up\$1187.50
When enclosed1187.50
When completed1187.50
Usual 35 days.....1187.50
TOTAL COST, \$4750.00

Bond, \$2375. Sureties, Jerry Adams and P. E. Silacci. Limit, 80 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

SAN ANSELMO. All work for one-story frame dwelling.

Owner.....Florence F. Sites.
Architect...None.
Contractor...Edward G. Jackson.

Filed Aug. 17, '16. Dated Aug. 11, '16.
Frame up\$640
When plastered640
When completed640
Usual 35 days.....640
TOTAL COST, \$2560

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED

Aug. 11, 1916—SAN ANSELMO. August J Lang to A F Hanson.....
.....Aug. 4, 1916
Aug. 15, 1916—FAIRFAX. Rocca Land Co to H H Jepson. Aug. 12, 1916
Aug. 15, 1916—SAN RAFAEL. Eleanor Glogly to L E Warden. July 27, 1916
Aug. 17, 1916—FAIRFAX MANOR. Fairfax. Alfred W Banks to whom it may concern.....Aug. 16, 1916

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME DWELLING

SEVENTH AND CUMBERLAND STS., Pittsburg. Two-story and basement 5-room frame dwelling.

Owner.....Adolph Grabstein, Pittsburg, Cal.

Architect...None.
Day's work. COST, \$3000

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED ACCEPTED

Aug. 7, 1916—LOT 7 and SW 9 feet. Lot 6 of Court Ave Tract of Town of Martinez. Harold F Blum to J. C Pitcher.....Aug. 1, 1916
Aug. 14, 1916—LOT 2 Bldg 2 or Austin Tract of Town of Martinez. Miss Helen Rohrecht to Hall & Smith.....Aug. 7, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

STREET PAVING—Cost as follows. Modesto, Stanislaus Co., Cal. Engineer, City Engineer, Modesto. Owners, City of Modesto. Contractors, Central California Paving Co., Schafer Bldg., Modesto. Contract prices, 1½ a square foot for grading, 1½ a square foot for paving, 16c a square foot for gutter and 41c a lineal foot for curbing.

HIGHWAY CONSTRUCTION—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. The Board of Supervisors has accepted the plans and specifications for the construction of division 4, section 1, Rio Bravo-Wasco road, and the Clerk instructed to advertise for bids to be opened October 3rd at 10 a. m. The plans and specifications for the Bakersfield-McKittrick road were accepted and bids for this work will be opened September 5th at 11 a. m. The plans and specifications for the construction of division 12, Randsburg-Johannesburg, Stringer district, were accepted, as were also plans and specifications for the construction of the Poso Creek bridge on division 2, Wasco-McFarland road. Bids for the former road work will be opened September 5th at 10 a. m., and bids for the Wasco-McFarland road bridge at Poso Creek will be opened September 5th at 10:30 a. m.

SCHOOL—1 story, frame. Cost not stated. Hawkeye School District. Fresno Co., Cal. Architect, none. Owners, Hawkeye School District. Bids will be opened on August 26th at 1:30 p. m. for the construction of a district school. Plans for this work are on file

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, RenoSACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

at the office of the Kerman News, Kerman, Cal.

SCHOOL—1 and 2 story and base, tile or brick. Cost not stated. Modesto, Stanislaus Co., Cal. Architect's name not given. Owners, City of Modesto. Bids will be received on September 1st at 7:30 p. m. for the construction of a grammar school building. Alternative propositions for tile, brick or frame and plaster are to be submitted.

IRRIGATION SYSTEM—Cost as follows. Lindsay, Tulare Co., Cal. Engineer's name not given. Owners, Lindsay-Strathmore Irrigation District. Three bids were received by the directors of the Lindsay-Strathmore Irrigation District for the construction of a portion of their proposed irrigation system. Bids were received from the following firms: Shattuck & Eddinger, Los Angeles, \$140,000; Frank Kennedy, L. A., \$125,000; Clemaham-Cramer-Carter Co., L. A., \$120,000. It will be several days before a complete report can be had on all bids to determine the lowest bidder on the various projects.

JAIL, CELLS—Cost not stated. Bakersfield, Kern Co., Cal. Architect, none. Owners, Kern County. At the last meeting of the County Supervisors all bids for the construction of jail cells at Randsburg and Mojave were rejected as the Board considered them too high. What action will now be taken by the Board is unknown.

LIBRARY—1 story and base, concrete and brick, \$15,000. Madera, Madera Co., Cal. Architects, Coates & Traver, Lowell Bldg., Fresno. Owners, Madera County. Will contain main reading rooms, auditorium and office. Plans complete and figures being taken. Bids open on September 6th at 2 p. m. Plans can be secured from the architects.

SCHOOL ADDITION—2 story and base, brick and concrete, \$55,000. Fresno, Fresno Co., Cal. Architects, Coates & Traver, Fresno. Owners, City of Fresno. The building will be in the nature of an annex to the present High School and will contain eight classrooms, departments for manual training and domestic science. Plans are being prepared.

SCHOOL—1 story and base, frame and plaster, \$14,057. Visalia, Tulare

Co., Cal. Architect's name not given. Owners, City of Visalia. Contractors, D. B. Day & Sons, Woodlake. Contract price, \$14,057.

BATH HOUSE—1 story, brick and concrete. Cost not stated. Fresno, Fresno Co., Cal. Architects, Glass & Butler, Republican Bldg., Fresno. Owner's name withheld. Will cover an area of 125 by 150 feet. Tank 75 by 115 feet. Special machinery. Plans being prepared.

BRIDGES—Reinforced concrete. Cost not stated. Madera, Madera Co., Cal. Engineer, County Surveyor, Madera. Owners, Madera County. At the last meeting of the County Supervisors the Clerk was directed to advertise for bids for the construction of the following four bridges: Over the North Fork of the San Joaquin River at the Pines road; over Upper Fine Gold Creek at the Bethel ranch; over Berenda Slough at the Jackson road, and over Winkelman Creek. Bids close September 6th. Plans may be had from the County Clerk.

SCHOOL—1 story and base, \$20,000. Orsi, Tulare Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Orsi School District. Will contain six class rooms and an assembly hall. Plans complete and figures to be opened on August 31st at 2 p. m.

BUILDING CONTRACTS

FRESNO COUNTY.

SCHOOL

LOCATION NOT GIVEN. All work for two-room school building.

Owner.....Madison School District.
Architect.....None.

Contractor.....J. E. Hart, 910 R St.,
Fresno and K. C. Buwaldo,
846 Mono Ave., Fresno.

Filed Aug. 10, '16. Dated Aug. 8, '16.
Frame up 34
Plastered 34
Completed 34
Usual 35 days..... 34

TOTAL COST, \$1561

Bond, \$750. Sureties, Sam Kellner and Chas. Boling. Limit, Sept. 20, 1916. Forfeit, none. Plans and specifications filed.

DWELLING AND GARAGE

LOTS 7 AND 8 BLK 103, Fresno. All work for two-story dwelling and garage.

Owner.....J. A. Benham, 1256 J St.,
Fresno.

Architect.....E. Mathewson, Cory Bldg.,
Fresno.

Contractor.....Hansen Constr. Co., 2225
Fresno St., Fresno.

Filed Aug. 15, '16. Dated Aug. 15, '16
Enclosed \$866
Completed 866
Usual 35 days..... 863

TOTAL COST, \$2600

Bond, \$1300. Surety, Maryland Casualty Co. Limit, 45 working days. Forfeit, \$3. Plans and specifications filed.

FRAME SCHOOL

LETHENTH SCHOOL DISTRICT, Fresno County. All work for frame school

Owner.....Lethenth Grammar School
District.

Architect.....E. J. Kump, Rowell Bldg.,
Fresno.

Contractor.....J. W. Rogers & Sons.

Filed Aug. 14, '16. Dated Aug. 3, '16.

As work progresses..... 75%

Usual 35 days..... 25%
TOTAL COST, \$1954
Bond, \$975. Sureties, D. C. Starrett and Owen Soucy. Limit, 45 working days. Forfeit, none. Plans and specifications filed.

FRAME SCHOOL

2 ACRES IN SW 14 OF SECTION 16, 13-18, Fresno County. All work for two-room frame school building.

Owner.....Gray Colony School Dist.
Architect.....Glass & Butler, Republic-
an Bldg., Fresno.

Contractor.....L. M. Smith.

Filed Aug. 14, '16. Dated Aug. 8, '16.
Ceiling joists in.....\$647.50
Plastered 647.50

Completed 647.50
Usual 35 days..... 647.50

TOTAL COST, \$2590.00

Bond, \$1241. Surety, W. O. Hasingame.

Limit, 90 days. Forfeit, none. Plans and specifications filed.

SACRAMENTO, STOCKTON AND
NORTHERN CALIFORNIA

STORM WATER SEWER—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor Quail, Stockton. Owners, San Joaquin County. Bids will be opened on September 5th at 10 a. m. for constructing a storm water sewer in McKinley avenue. Plans can be secured from the County Surveyor's office.

SEWER CONSTRUCTION—\$7,783.44. Stockton, San Joaquin Co., Cal. Engineer, City Engineer Compton, Stockton. Owners, City of Stockton. Plans and specifications for constructing storm



LEAVE KEY ROUTE FERRY.

Leave..... Daily except as noted.
7:20A Sacramento, Dixon Jct., Pitts-
burg, Bay Point. Carries Ob-
servation Car. Through train
to Chico, Marysville, Colusa
Orville and Woodland.
8:00A Concord, Diablo and Way Sta-
tions.
9:00A Sacramento, Bay Point, Pitts-
burg, Dixon, Chico, Woodland.
Carries Parlor Observation
Car.
9:40A Pinehurst, Concord, Sundays and
Holidays.
11:20A Sacramento, Pittsburg, Bay
Point, Colusa, Chico.
1:00P Sacramento, Pittsburg, Bay
Point, Colusa, Chico, Woodland
3:00P Sacramento, Dixon, Pittsburg,
Bay Point, Elverta, Wood-
land.
4:00P Concord and Way Stations.
4:40P Sacramento, Pittsburg, Dixon
Jct., Marysville, Colusa, Or-
ville and Chico. Observation
Car.
5:15P Pittsburg, Concord, Danville and
Way Stations, except Sundays
and Holidays.
8:00P Sacramento, Pittsburg, Dixon,
Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co., S. F.; People's
Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker,
2156 Telegraph Ave.; dealer in ma-
hogany, antique and all kinds of
furniture; repairs and polishing;
Telephone Oakland 1715.

sewers along certain streets in the Schweitzer tract, east of East street and north of Weber avenue and along East and Fremont streets, were adopted by the City Council this morning.

HIGHWAY CONSTRUCTION—Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff, Owners, Tehama County. Bids will be received on September 5th at 10 a. m. for constructing about four-fifths of a mile of macadam road, said road being a portion of the Manton road extending in a southwest direction from or near what is known as the Ross Gates Mill, and on the south side thereof, situate in Road District No. 3.

BRIDGES—Reinforced concrete. Cost not stated. Auburn, Placer Co., Cal. Engineer, County Surveyor, Auburn, Owners, Placer County. Plans and specifications for two Yankee Slough bridges on State Highway, prepared by Engineer Conrey, were accepted. Bids for erection of bridges ordered advertised.

SCHOOL—1 story and base, brick steel, \$50,000. Tracy, San Joaquin Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Tracy High School District, James Enrlong, Mcnadenock Bldg., S. F. presented the low figure for the general construction at \$46,900 and J. E. O'Mara, 419 Minna street, the low figure for the heating and ventilating at \$3,626. A complete list of the bids will be found under the heading of Sacramento and Northern California in this issue.

BATH HOUSE—1 story, frame. Cost not stated. Lodi, San Joaquin Co., Cal. Architect, City Engineer, Lodi, Owners, City of Lodi. All bids for the municipal bathing house were rejected by the City Trustees because they ran above the City Engineer's estimate. Alterations will be made in the plans and a building, not quite so elaborate, will be erected. New bids will be called when revised plans are complete.

BRIDGES—Timber and concrete. Cost not stated. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka, Owners, Humboldt County. The County Supervisors at their last meeting directed the County Clerk to advertise for bids for the construction of a number of bridges throughout the county. Bids will be asked for bridges across Jordan and Bear Creeks on the route of the state highway south of Eureka; another at Lost Man's Gulch, about six miles north of Orick, and a fourth in Butler Valley, near the summer home of C. S. Carson. Plans and further information may be had from the County Clerk.

SEWER CONSTRUCTION Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento, Owners, City of Sacramento. Bids will be opened on August 30th at 11 a. m. for furnishing the materials and constructing a trunk line sewer, unit No. 3, Low line. The principal items of the work are as follows: 318 linear feet of 42-inch reinforced concrete sewer; one concrete manhole, 4 feet inside diameter; 20 cubic yards of plain concrete.

COUNTY COURT HOUSE—2 and 3 story and base, reinforced concrete or brick and steel, \$200,000. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Yolo County. Bids presented by Robert Trost and by Howard S. Williams, both San Francisco contractors, are still under

consideration. A complete list of the bids received for this work will be found under the heading of Sacramento and Northern California in this issue.

LIBRARY—3 story and base. Class A construction, \$130,000. Sacramento, Cal. Architect, Loring P. Rixford, Sharon Bldg., S. F. Owners, City of Sacramento. Commissioner Coulter of Sacramento is the authority for the statement that bids will be called for before the end of this month for the construction of the new main library building. Working drawings have been completed by the architect for some time.

PIPE AND FITTINGS—Cost not stated. Fort Bragg, Mendocino Co., Cal. Engineer, City Engineer, Fort Bragg, Owners, Fort Bragg. Bids will be opened on August 28th at 6 p. m. for pipe and pipe fittings for the Fort Bragg water works, to wit: 2,700 feet 14-inch redwood continuous wound pipe with iron couplings; 2,700 feet 14-inch redwood continuous wound pipe with machine banded collars; two 14-inch by 14-inch by 10-inch T's, single sweep for wood pipe. All of the above pipe and fittings for a 100-foot head, 2,700 feet of 14-inch redwood continuous wound pipe only will be purchased by the Board.

SCHOOL—2 story and base, reinforced concrete and brick, \$30,000. Ripon, San Joaquin Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Ripon School District. H. P. Deick, Oakdale, submitted the low bid for the general construction and will be awarded the contract. A complete list of the bids for this work will be found under the heading of Sacramento and Northern California in this issue.

SCHOOL HEATING SYSTEM—Cost not stated. Yreka, Siskiyou Co., Cal. Engineer's name not given. Owners, Siskiyou Union High School District. Bids will be opened on September 2nd at 10 a. m. for the installation of a steam heating system in the new gymnasium, domestic science and music building. Plans can be secured from the Clerk of the Board of Education.

SCHOOL—1 and 2 story, frame and concrete, \$18,000. Marysville, Yuba Co., Cal. Architect, Julia Morgan, Merchants' Exchange Bldg., S. F. Owners, City of Marysville. Will contain eight class rooms, departments for domestic science and manual training. Plans being prepared.

SCHOOL—1 story, frame and plaster, \$21,325. Lakeport, Lake Co., Cal. Architects, Morrow & Garren, Chronicle Bldg., S. F. Owners, Town of Lakeport. Kerr & McLean, 110 Jessie street, S. F., presented the lowest figure for this work, complete, at \$21,325 and will be awarded the contract. A complete list of the bids received appears under the heading of Sacramento and Northern California in this issue.

BRIDGES—Reinforced concrete. Cost not stated. Auburn, Placer Co., Cal. Engineer, County Surveyor, Auburn, Owners, Placer County. Plans and specifications for two Yankee Slough bridges on state highway prepared by Engineer Conrey were approved at the last meeting of the County Supervisors and bids were ordered advertised. Plans may be had from County Clerk Z. Lowell.

HOTEL ADDITION—1 story, frame. Cost not stated. Roseville, Placer Co., Cal. Architect, none. Owner, Barker

Hotel. Addition will contain 20 rooms. Plans being prepared.

SCHOOL—1 story and base, hollow tile or concrete. Cost not stated. Florin, Sacramento Co., Cal. Architect, George C. Sellon, 1005 K street, Sacramento, Owners, Florin School District. Will contain six class rooms. Alternate propositions for concrete or hollow tile. Plans complete and figures to be opened on September 2 at 3 p. m.

HIGHWAY IMPROVEMENT—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor Quail, Stockton. Owners, San Joaquin County. Bids will be received up to September 5th at 10 a. m. for improvement work on the Norton-Angers road from the Central California Traction Railroad line near the quarter section corner on the west line of Section 29, T. 3 N., R. 7 E., M. D. B. & M., east a distance of one-half mile.

Contracts Awarded.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento, Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That the alley between T and U streets, from 8th street to 9th street, be improved by constructing one concrete catchbasin complete; placing four linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catch basin to sewer; constructing 143 linear feet of concrete curb wall; reconstructing one concrete manhole; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 2-inch thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between I and J Sts., from 12th street to 13th street, be improved by constructing one concrete catchbasin complete; placing 10 linear feet of 8-inch, vitrified, ironstone sewer pipe drain; reconstructing one concrete manhole; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick, a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co.

That the alley between O and P Sts., from 8th street to 9th street, be improved by constructing one concrete catchbasin complete; 4 linear feet of 8-inch, vitrified, ironstone pipe drain connecting catchbasin to sewer; constructing 160 linear feet of concrete curb wall; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co.

That Raynsford avenue, from Madrone avenue to Cypress avenue, be improved by constructing concrete curb; concrete gutter; 6 and 8-inch, vitrified, ironstone sewer pipe drains, placing four 6-inch, vitrified, ironstone Y branches; one concrete manhole complete; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento, Cal.

BRIDGE—Reinforced concrete, \$9,333. San Andreas, Calaveras Co., Cal. Engineer, County Surveyor, San Andreas. Owners, Calaveras County, Contractor, E. A. Snyder, Sonora. Contract price, \$9,333.

STREET IMPROVEMENT — Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That H street from 31st street to Mont Clair avenue be improved by constructing concrete curb, concrete gutter, 13 linear feet of concrete gutter of special design, 6 and 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes complete; concrete sidewalk; grading the space between the property line and curb; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick; reconstructing ten concrete manholes by placing same to official grade. Awarded to Clarke & Henery Construction Co., Ochsner Bldg., Sacramento.

CUTTING GRADE—\$2,691. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractor, F. C. McIntyre, 215 East Weber street, Stockton. Contract price, \$2,691.

BRIDGES—Timber. Cost as follows. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, T. H. Polk, Chico. Butte Creek and Angel Slough bridges, \$1,959; Rock Creek bridges, \$2,693.

CITY HALL ALTERATIONS—\$3,200. Roseville, Placer Co., Cal. Architect, McAlpine Roseville. Owners, City of Roseville. Contractor, E. W. Book, Roseville. Contract price, \$3,200.

BORING WELL AND CASING—Cost not stated. Woodland, Yolo Co., Cal. Engineer, City Engineer, Woodland. Owners, City of Woodland. Contractor, Fred Kroster, Woodland. Contract price not stated.

RECLAMATION PUMPING PLANT—\$23,147. Woodland, Yolo Co., Cal. Engineer's name not given. Owners, Reclamation District No. 1600. Contractors, Yuba Construction Co., Marysville. Contract price, \$23,147.

RECEIVE FIGURES FOR TRACY SCHOOL BUILDING.

New Building Designed by Architect W. H. Weeks Will Probably be Erected by James Furlong.

(By Special Wire)

TRACY, San Joaquin Co., Cal., Aug. 14th, 1916—Bids were opened on August 12th at 7:30 P. M. by the Board of School Trustees for the construction of a one and two-story reinforced concrete school building to be erected from plans by Architect W. H. Weeks, 75 Post street, San Francisco. James Furlong, Monadnock Bldg., San Francisco presented the lowest figure for the general construction at \$16,900. The award of contract will be made at

a special meeting of the Board to be held on Tuesday night. J. E. O'Mara, 419 Minna street, San Francisco, presented the low figure for the heating and ventilating at \$3,626. Following is a complete list of the bids received:

Tracy School.

James Furlong	\$46,900
Masow & Morrison	55,923
L. G. Burgen & Son	51,272
James L. McLaughlin	53,964
Philbrick & Colvin	50,680
Howard S. Williams	52,350
D. R. Wagner & Co.	48,990
MacLaren & Peterson	55,600
Brandt & Stevens	61,500

Heating and Ventilating.

Turner Co.	\$5,874
Scott Co.	5,720
J. E. O'Mara	3,626
Ideal Heating & Eng. Co.	5,967
W. Morgan & Co.	5,980

YOLO COUNTY RECEIVES BIDS FOR COURT HOUSE.

Bids of Robert Trost and Howard S. Williams Taken Under Advisement. W. H. Weeks, Architect.

(By Special Wire.)

WOODLAND, Yolo Co., Cal., August 14th, 1916—Bids were opened at this afternoon's session of the Board of Supervisors for the construction of a new County Court House for Yolo County. Bids presented by Robert Trost and Howard S. Williams, both San Francisco contractors, were taken under advisement. Plans for the building were prepared by Architect W. H. Weeks, 75 Post street, San Francisco. Following is a list of the bids received for the general construction only.

General Construction, Yolo County Court House.

Robert Trost	\$193,167
Howard S. Williams	197,716
McLaren & Peterson	198,000
James L. McLaughlin	198,000
C. J. Guth	200,000
Masow & Morrison	205,677
Anderson & Ringrose	211,470
Mathews Constr. Co.	211,659
Larsen & Sampson	215,500
Harvey A. Klyce	216,442

Additional bids, received for the plumbing, heating and electric work will be published in our next issue.

ADDITIONAL BIDS RECEIVED ON YOLO COURT HOUSE.

Complete List of Figures for Two Hundred Thousand Dollar Court House at Woodland.

The following bids, in addition to those published in the issue of August 15th, were received by the Yolo County Supervisors for the construction of the new County Court House, designed by Architect W. H. Weeks, 75 Post St., San Francisco:

General Construction, Colusa Sandstone Exterior.	
Masow & Morrison	\$224,760
James L. McLaughlin	228,132
Anderson & Ringrose	230,470
Harvey A. Klyce	239,112
Robert Trost	215,227
Mathews Constr. Co.	223,659

Larsen-Sampson Co.	\$28,500
Howard S. Williams	\$22,910

Program Clock System.

Albert S. Samuels Co.	\$1,357
Standard Elec. Time Co.	920

Plumbing.

Lafourrette-Pieal Co.	\$6,582
O. Kurtz	7,815
Turner Co.	5,950
Hutley & Hately	6,882
Robert Trost	8,474
W. P. Boyce & Son	6,478
	6,378

Electric Work.

Lafourrette-Pieal Co.	\$5,375
Turner Co.	6,000
Electric Constr. Co.	8,127
O. Kurtz	7,437
L. Flatland	8,277

Heating and Ventilating.

Lafourrette-Pieal Co.	\$12,069
Scott Co.	12,620
Turner Co.	13,120
Robert Daizel Jr. Co.	14,526
J. C. Hurley Co.	12,257
J. E. O'Mara	13,362
Hately & Hately	11,362

Vacuum Cleaning.

Spencer Turbine Co.	\$1,265
Attwood Co.	1,350
Western Supply Co.	1,232

Roofing.

Paraffine Paint Co.	\$ 750
J. W. Bender & Co.	1,053

Well Boring.

Bender Bros. 14-in. \$550 10-in. \$325
It is stated in Woodland that the Supervisors have practically decided upon terra cotta with a metal cornice in place of a sandstone exterior. The contract will be awarded to either Howard S. Williams or Robert Trost. If steel is used Williams will be awarded the contract, and if reinforced concrete is used, Trost will get the work.

RECEIVE FIGURES FOR RIPON SCHOOL WORK.

Three Lowest Figures Taken Under Consideration by Board of Education for New Building.

(By Special Wire.)

RIPON, San Joaquin Co., Cal., Aug. 16th, 1916—Bids were opened by the Board of School Trustees at 7:30 P. M. for the construction of a two-story and basement brick High School Building, designed by Architect W. H. Weeks, 75 Post street, San Francisco. The lowest figures submitted for the general construction exclusive of the plumbing, heating and ventilating, was that of H. P. Deick of Oakdale at \$23,999. The bids of both A. J. Nourse of Ripon for \$2,990 and the Turner Co. of San Francisco for \$2,360 on the plumbing were retained by the Board.

The Ideal Heating & Ventilating Co., 1892 Folsom street, San Francisco, presented the lowest bid for the heating and ventilating at \$3,333 with a deduction of \$650.

General Construction, Ripon School.	
Harvey A. Klyce	\$32,983
H. P. Deick	23,999
Brandt & Stevens	31,100
James L. McLaughlin	29,744
Grace & Bernieri	34,333
John Madson	34,820
Campbell & Turner	30,770
Philbrick	27,262
Bert T. Owsley	25,397
D. W. Baysinger	26,539

Heating and Ventilating.

Turner Co.	\$3,471
	\$725

Ideal Heating & Vent. Co.	1,096	650
Company	1,090	700
Morgan & Co.	1,065	735
Scott Co.	1,045	586
J. C. Hurley Co.	1,047	795

Plumbing.

A. J. Nourse	\$2,999
Turner Co.	2,360

RECEIVE BIDS FOR LAKEPORT SCHOOL.

Kerr & McLean of San Francisco Will Probably be Awarded Contract for High School.

(By Special Wire)

LAKEPORT, Lk. Co., Cal. Bids were opened at the August 17th meeting of the Board of Education for the construction of a new High School Building, designed by Architects Morrow & Garren, Chronicle Bldg., San Francisco. Kerr & McLean, 110 Jessie street, San Francisco, presented the low bid for the construction complete, including heating at \$24,325. The Pacific Fire Extinguisher Co., also of San Francisco, presented the lowest figure for the heating separate at \$1,700.

The Board of Education took action to award the contract to the lowest bidder, if an investigation proved satisfactory. Following is a complete list of the bids:

Lakeport School.

Hinds & Randolph, Lakeport	\$50,879
H. L. Bergstrom, Ukiah	32,250
James L. McLaughlin, S. F.	27,349
L. G. Bergren & Son, S. F.	28,472
B. A. Trobach, S. F.	26,350
Ward & Goodwin, S. F.	28,980
Sommer Constr. Co., S. F.	21,770
D. E. Etherton & Co., S. F.	25,400
Kerr & McLean, S. F.	24,325
Peter M. Schmidt, Oakland	26,527
Dorman & Bailey, Oakland	26,590
J. O. Kuykendall, S. F.	27,753

Heating.

Pacific Fire Extinguisher Co.	\$1,500
Gilley-Schmid Co.	2,159
J. C. Hurley Co.	1,971
Ideal Heating & Eng. Co.	1,612

BUILDING CONTRACTS**SACRAMENTO COUNTY.****FRAME RESIDENCE**

W 30 FEET LOT 3 AND E 70 FEET Lot 6 O. P. 26th and 24th Sts., Sacramento. Two-story and basement frame residence.

Owner.....Ruby I. Fitzpatrick
Architect.....None.
Contractor.....R. M. Smith, 207 1/2th St., Sacramento.

COST, \$6986

GARAGE ON ABOVE.

Contractor.....R. M. Smith, 207 1/2th St., Sacramento.

COST, \$438

DWELLING

H. H. McClain PPTY on Andrews Island. All work for dwelling.
Owner.....H. H. McClain.
Architect.....None.

Contractor.....L. G. Barton and L. E. Hite
1812 L St., Sacramento.
Filed Aug. 14, '16. Dated Aug. 8, '16.

COST, \$4350

STAIR WORK

LOT 4 L. M. 27th and 28th Sts., Sacramento. Interior wood stairs for three-story and basement Class "C" structure.

Owner.....C. J. Guth.
Architect.....None.
Contractor.....Bishop & Pierano, 60 13th St., San Francisco.

Filed Aug. 15, '16. Dated Aug. 2, '16.
COST, \$665

OAK AND MARELE FLOORING and to lay sand and clean all pine flooring on above.

Contractor.....Pacific Hardwood Floor Co.
Filed Aug. 15, '16. Dated Aug. 2, '16.
COST, \$1800

MARELE WORK, ETC., ON ABOVE.

Contractor.....Joseph Musto Sons-Keenan Co., 535 North Point St., San Francisco.

Filed Aug. 15, '16. Dated Aug. 2, '16.
COST, \$1900

LOS ANGELES AND SOUTHERN CALIFORNIA

APARTMENT HOUSE—2 story and base, frame. Cost not stated. Pasadena, Los Angeles Co., Cal. Architects, Peoples & Cheney, Hans Bldg., L. A. Owner, R. D. Davis. Contractors, Atlas Building Co., Hans Bldg., L. A. Contract price, not stated.

CHURCH—1 story and base, brick, \$35,000, Glendale, Los Angeles Co., Cal. Architect, Arthur G. Lindley, Hollingsworth Bldg., L. A. Owners, First Methodist Church. Location, southeast Kenwood and Third, covering an area of 20 by 110 feet. Will contain main auditorium, Sunday school rooms, parson's study and 20 class rooms. Plans complete and figures being taken.

HOTEL, 12 story and base, Class A construction. Cost not stated. Los Angeles, Cal. Architects, Morgan, Walls & Morgan, Van Nuys Bldg., L. A. Owner, Frank Simpson. Location, Sixth and Grand, covering an area of 60 by 30 feet. Will contain 150 rooms with 14th. Plans complete and figures being taken.

STORES AND LOFTS ALTERATIONS

Brick and steel. Cost not stated. Los Angeles, Cal. Architect, Richard D. King, Van Nuys Bldg., L. A. Owners, Lathie Estate. Location, Los Angeles street between 2nd and 3rd streets. Plans being prepared.

HIGHWAY IMPROVEMENT—Cost not stated, Santa Ana, Orange Co., Cal. Engineer, County Surveyor, Santa Ana. Owners, Orange County. Bids will be received up to September 6th at 2 p. m. for constructing a 16-foot concrete

pavement 4 inches thick on Placentia-Yorba road, extending from Richfield distance of about 2 1/2 miles, according to plans and specifications. The county will furnish sand, rock and cement for b. cars near freight siding to said work.

Contracts Awarded.

Riverside, Riverside Co., Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Highway Construction Co., 26 Montgomery street, S. F. Contract price, \$5,101.17.

BRIDGE—Reinforced concrete, \$23,554.75. Pomona, Los Angeles Co., Cal. Engineer, County Surveyor, Los Angeles. Owners, Los Angeles County. Contractor, H. Clay Kellogg, Santa Ana. Contract price, \$23,554.75.

RESIDENCE—2 story and base, hollow tile, \$32,300. Los Angeles, Cal. Architect, Edwin Borgstrom, Citizens' National Bank Bldg., L. A. Owner, M. H. Whittier. Contractors, Los Angeles Planing Mill Co., Industrial and Mill streets, L. A. Contract price, \$32,300.

PORTLAND AND OREGON

RESIDENCE—2 story and base, frame, \$50,000. Portland, Ore. Architects, Whitehouse & Foulhoux, Wilcox Bldg., Portland. Owner, Clarence S. Jacobsen. Location, Shepherd's Dell and Benson Falls. Will contain sixteen rooms, five bath rooms, open air swimming pool, separate garage and out buildings. Plans being prepared.

SCHOOL—2 story and base, brick and concrete, \$50,000. Astoria, Ore. Architects, Whitehouse & Foulhoux, Wilcox Bldg., Portland. Owners, City of Astoria. Location, Irving avenue, covering an area of 182 by 110 feet. Will contain 20 class rooms, office, library and departments for manual training and domestic science. Plans being prepared.

SEATTLE AND WASHINGTON

HIGHWAY CONSTRUCTION—\$22,321.04. Waterville, Douglas Co., Wash. Engineer, County Surveyor, Waterville. Owners, Douglas County. O. M. Patton and Jas. T. Smith of Portland submitted the low bid at \$22,321.04 for the construction of four miles of permanent highway from Mansfield east, in Douglas County. They will probably be awarded the contract.

CHURCH—1 story and base, reinforced concrete, \$30,000. Seattle, Wash. Architect, G. T. Dunham, Lumbermen's Bldg., Seattle. Owners, Fourth Church of Christian Scientists. Contractor, Neil McDonald, Northern Bank Bldg., Seattle. Contract price, \$30,000.

DIRECT TO YOU

Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993 515 J. St., Sacramento

SCHOOL—3 story and base. Class A construction, \$250,000. Seattle, Wash. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. Location, West Seattle. Will contain 20 class rooms, laboratories, office and library besides special departments. Plans complete and figures being taken. Bids open on September 8th.

SCHOOL—2 story and base, reinforced concrete, \$72,000. Seattle, Wash. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. Contractor, Syllaasen & Sando, Downs Block, Seattle. Contract price, \$72,000.

THE AMERICAN CONCEPTION OF LIBERTY.

By Hon. James W. Wadsworth, United States Senator from New York.

For Association for National Service. The War of the Revolution and the agitation which preceded it for a generation had instilled into the people a dread and hatred of that form of despotism which thrived in the monarchical governments of that time and it was not at all a difficult matter for the men who wrote the Constitution to agree at the outset that our government should avoid even the most remote aspect of a monarchy. It has been said that the members of the convention which drafted the Constitution were perhaps the most remarkable assembly of men that have ever been gathered together in one deliberative body in the history of the world.

They were familiar with the history of Athens, with the history of the great Roman Republic and its gradual evolution into an empire, with the history of the mediæval Italian Republics, the famous Dutch Republic, and most important of all, with the history of the growth of the British constitution, with its great milestones marking the progress of Anglo-Saxon liberty. In short, in their collective knowledge and learning, they gathered together pretty nearly everything that the history of the world afforded concerning the different systems of government in its democratic form. Furthermore, in addition to their knowledge of the history and the rise and fall of governments, they never forgot that human nature had not changed through the centuries.

The fact that our institutions have survived without material impairment the strain of the enormous immigration which has been received into our population during recent years, and which is bound to have a most profound effect upon our national life, is abundant proof of their wisdom and foresight. If we are to preserve these institutions unimpaired it becomes incumbent upon us, through our schools, to instill into the minds and hearts of these fresh arrivals the meaning of America. They come from countries where the government is everything and the individual comparatively insignificant, and it is inevitable that this centuries-old influence should have made a deep impression upon their hereditary trend of thought, and it is equally inevitable that they should, on arrival, feel the same relation to our government. It is fair to say that they have no real conception of the relation existing here between the citizens and the state.

Many thoughtful Americans are deeply concerned with what we as a nation must do in order to fuse and assimilate this mass—how exert our-

selves in teaching them the meaning of citizenship under the Constitution of the United States. We must remind the native born and teach the foreign born that a hundred millions of us are bent upon preserving the integrity, dignity, and rightful power of the United States.

We need the training and experience that comes from steady sure progress in the real things of life, and had we proceeded with less speed and therefore with more care, the average American would know more about his fellowman and our democracy would be more efficient. Fortunately, we have become conscious of the dangers arising from haste and are exerting stupendous efforts in the cause of education that the citizens of the future shall be better trained for his duties than we are or ever have been.

We are doing very little to prevent the people of the country being divided into classes—classes separate from each other by a wide difference in the material prosperity of their members. We will get along together a great deal better in this vast democracy if we manage to keep a touch of the elbow from man to man and if we teach the young men in all stations of life that instead of regarding the government as an agency that owes them something they owe something to the country. We ought to instill into the youth of the land a clear realization of their responsibilities to serve and protect the nation and its ideals. This question of service to ones country has been brought to our attention with great sharpness in the last two years. The war in Europe has fairly jolted us into a realization that passion and hatred and the desire to destroy still live in the hearts of men; and we now admit that institutions worth saving can be saved only by the devotion of a people trained to service.

We send our children to school so that they may fit themselves to combat the forces of ignorance and vice which, if allowed to operate unrestrained within our borders would destroy the Republic. Is it not likewise the duty of a true democracy to train its young men to combat successfully those forces which may attack its institutions from without?

Can there be any more democratic proposal than that every young man should prepare himself to a reasonable degree of efficiency for the defense of his country?

Is it not his duty to go that promptly and cheerfully, just as truly as it is his duty to go to school in his younger days or to vote and take an interest in civic affairs when he comes of age?

If it is not the duty of every young man to reform this service—shall we be so absurd as to say that those who volunteer to do it and those who, possessing less sense of responsibility, refuse to volunteer—shall we be so absurd as to say that those two groups of men entertain equally high ideals in their capacity as citizens of a democracy?

In this question of national military training there is something more important than that of military defense of the country, about which we hear so much these days. The touch of the elbow is involved. I would like to see a state of affairs, in which the son of the rich man, who does not have to labor with his hands for his living,

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train service between Bay Cities and points in the Sacramento Valley.

Thru beautiful Redwood Canyon and Mt. Diablo country.

Write for illustrated folder and time table.

Oakland, Antioch & Eastern Railway

L. H. RODEBAUGH
Traffic Manager
Oakland - Cal.

works along side of the son of the poor man. When two men work together physically and endure fatigue together at the same task there is created a bond of sympathy and understanding which no other process can establish. Each will come to an inspiring realization that the other, down deep in his heart, is his brother, possessed of the same courage, the same ideals, the same patriotism.

I can think of no plan better calculated to prevent class feeling than the universal performance of service to the county by our young men. In no other way can we more truly fuse together the widely different elements of our population and instill into them the conviction that this, indeed, is a Nation. In no other way can we so surely help to perfect our democracy. Let us talk less about our rights and more about our duties. Inspired by such a spirit, we can successfully withstand all attack either from within or from without against the American Conception of Liberty.

INFRINGEMENT NOTICE.

Attending purchasers of Thermopne Oil Burners and Liquid Fuel governors are cautioned against purchasing and installing devices constructed by a local manufacturing firm, in imitation of our patented structures. To protect our rights we have been forced to file suits for infringement in the United States District Court for the Northern District of California against such manufacturer for infringement of our Letters Patent No. 842,331, No. 984,094 and No. 1,175,115, covering Thermopne Oil Burners and Liquid Fuel governors.

(SIGNED)

G. E. WITT CO.

UNIVERSITY BREAKS GROUND FOR AGRICULTURAL BUILDING.

When the seven thousand students of the University of California take up the work of a new year on Monday, August 21, they will find construction begun on Hilgard Hall, a new \$350,000 building which will greatly enlarge the opportunities of the College of Agriculture.

An experimental cold-storage plant is to be installed in the basement of Hilgard Hall for experiment to develop the best possible methods for refrigerating fruits during shipment. Here also will be room filled with machinery for experiments in the utilization of wood and the handling of fruit. There will be also student and research laboratories for the study of soils, and a work-room for arboriculture.

The Forestry Division, a recently established department in which a staff of five professors give one of the best four-year professional courses in forestry offered at any American university, will occupy most of the ground floor, special rooms being devoted to the forestry herbarium, forest mensuration, logging demonstration, silviculture, research in the technology of woods, and classroom and laboratory purposes. Agronomy—the science of field crops—will also have quarters here.

Citriculture—devoted to improving methods of growing oranges, lemons, and grape fruit; Genetics—which teaches the fundamental principles of breeding plants and animals; and Zymology—which carries on researches in regard to fermentation, the conservation of foods, improved methods of making by-products from California fruits, etc., and Pomology—the department which deals with the deciduous fruits of California, will all be housed on the second floor of Hilgard Hall, with herbariums, seminar rooms, and scientific collections for the use of these various departments, as well as classrooms and laboratories. Studies, research laboratories, and departmental headquarters for these divisions will be housed in the top floor of the building.

Hilgard Hall has been named in honor of the late Dr. Eugene Wildemar Hilgard, for a generation Dean of the College of Agriculture of the University of California, one of the founders of the science of the physics, chemistry, and geology of the soil, whose researches as to alkali land, are made use of in every part of the world where irrigation is practiced. Hilgard Hall is being built with part of the proceeds of the issue of \$1,000,000 in University Building Bonds voted by the people of California.

During the summer the University has practically completed the exterior of Benjamin Id. Wheeler Hall, the new \$330,000 classroom building, also being built from the University Building Bonds, and about half completed the addition to the University Library which will provide for a million volume, although for the present only sufficient shelving will be provided for half a million. Within twenty years, at the present rate of growth, the University of California will have more than a million volume in this library. One building completed during the summer is the Domestic Science Building for the instruction of the women students

in the sciences and arts of the household and the economics of home management. Work is to begin in the near future on the new Chemistry Building and on a second unit of the central heating and power plant where the University produces its own heat and electricity.

Work is in progress also on the buildings for the new Citrus Experiment Station and Graduate School of Tropical Agriculture at Riverside and the new University Hospital in San Francisco.

OROVILLE OLIVE PLANT LARGEST IN THE WORLD.

OROVILLE, Cal.—The big olive plant now being erected in Oroville by the Olive Products Company is fast taking form and will be complete within the next six weeks. A Plagge, who has charge of the construction, has a force. The work has been somewhat delayed by the failure of lumber to arrive. Shipments are now arriving daily.

The plant will be the largest ripe olive pickling plant in the world. It will have a capacity of 75,000 cases a year. As far as is known the largest pack yet turned out by any California plant was 57,000 cases.

The plant will also have a capacity of 50,000 gallons of oil a year.

Some idea of the size of the plant can be gleaned from the fact that there will be 120 pickling vats in the processing room. The processing room, the floor of which is now being laid, will be 170x240 feet. Both the floor and the vats will be of concrete.

NO PRIVATE CORPORATION CONTROLS THE STATE OF CALIFORNIA.

By John Francis Neylan, Chairman, State Board of Control.

How much more beneficial it would be for California as a whole and for every county, city, town and village, and every business concern and individual in the Commonwealth if our political campaigns could be purged of the idiotic attacks on the financial integrity of the State. How much more helpful it would be in the task of building up the industries of California if the following facts were made known to the entire United States:

That no private corporation controls its government.

That ninety per cent of its State revenues are derived from just taxation on corporations, under a system of taxation devised by corporation lawyers.

That during the last five years and a half the average increase in appropriations has been the smallest in the history of the State. Previously 21.6 per cent, and in the last five years and a half 11.8 per cent.

That in January 1914 there was a deficit of \$261,000.00 in the State treasury and today there is a surplus of \$1,500,000.00.

That the State makes its appropriations on a budget basis, the budget being published two weeks before each legislature meets to give ample time for objection to be filed.

That the State business is conducted honestly, every Department and Institution having been put on a modern

accounting basis and being audited every six months.

That there are no more scandals such as the expenditure of \$52,000,000.00 during fourteen years on State Institutions without an audit.

That the school children of the State get their text-books free instead of paying twice their cost for the benefit of a ring of contractors.

That the State University, ranking second in the United States, after years of neglect has been given modern buildings and support at a cost of several million dollars. That this same University in four years has developed its Agricultural College and other departments to a degree that has astonished the teaching world.

That California's hospitals for the insane have been modernized at tremendous cost, and the patients recognized as sick people instead of criminals. That the entire food supply and feeding of the insane and all other inmates of State Institutions has been placed under the absolute control of the Professor of Chemistry of the University of California, a noted expert on foods.

That California has built three new Normal Schools, and modernized all her other Institutions.

That California has built the finest system of highways to be found in the United States, expending \$18,000,000.00 without a breath of scandal. That California's Highway Engineer has been borrowed by the United States government to aid it.

That California has a Railroad Commission, which while dealing justly with the public utility corporations, has saved to the traveling public, consumers and shippers by its decisions \$7,000,000.00 a year. That this Commission has vastly improved the service of the public utilities, and eliminated from the capitalization of California utilities the system of "watering" stock.

That California has a Workmen's Compensation Act, which protects the maimed employee and his widow and orphans in case of his death. That this law today has the hearty approval of ninety per cent of the employers of the State.

That the State of California has a Compensation Insurance Department which has protected employers from being mulcted by liability accident concerns. That this Bureau enforced a reduction of all liability insurance rates, and at the end of a year not only paid its entire cost, but paid its policy holders a substantial rebate.

That the State of California has a Civil Service law, most drastic in its provisions.

That the State Board of Harbor Commissioners of the Port of San Francisco has constructed in that harbor the finest system of modern wharves and piers in the world. That this same Board has not only modernized San Francisco's harbors and wharves, but cleared her waterfront of shacks and obstructions and made it the marvel of visiting harbor masters and constructors.

That the State of California has wiped out the curse of child labor, turning the children into the schools instead of factories and sweatshops, and gave its womanhood an eight-hour work day, without disturbing the business of the State or bankrupting a

single merchant.

That the State of California has gone to the rescue of the farmers of the State and taken up the problem of marketing their products. That one of the State's most successful merchants is the Director of its Market Commission.

That the State of California, through the University of California and the State Reclamation Board, has taken up the problem of harnessing its rivers and conserving its overflow waters for the benefit of arid lands.

These are but some of the things California has done in five years. How much better engaged we would be making these facts known to the world, instead of obscuring them all by falsehood piled upon falsehood in the attempt to discredit the man who either did these things or made them possible.

The reason why certain newspapers and some commercial interests do not want the facts above quoted known is contained in the first recital of accomplishments—"No private corporation today controls California's government."

OKDALE TO PURCHASE FIRE APPARATUS.

OKDALE, Cal.—The city trustees appropriated \$1,800 at their meeting last week for the purchase of a fire truck to equip the volunteer department. The firemen asked for a \$4,000 truck which it was stated would have secured a 5 per cent reduction in insurance rates from the Board of Fire Underwriters.

ANAL WORK NEARING COMPLETION

REDDING (Shasta Col.)—The main canal of the Anderson-Cottonwood Irrigation District, according to James Willison, the contractor, is one-half completed. It is finished from Redding to China Gulch and from Anderson to Cottonwood, with the exception that here and there are places that need a little touching up.

DEPARTMENT OF ELECTRICITY BUSY.

Since August 1st to the 15th inclusive, 1,659 applications have been filed with the Department of Electricity for electrical inspection. "This has been the busiest stretch we have had since my appointment to this department," says Chief Inspector Pennycook.

For the month of July \$63 applications for inspection were filed.

PLEA TO HOUSE FOR ADEQUATE NAVAL PROGRAM.

WASHINGTON, D. C., August 16. A strong appeal for an adequate navy program has been addressed to Chairman Padgett of the House Committee on Naval Affairs by Bascom Little, of Cleveland, Chairman of the Committee on National Defense of the Chamber of Commerce of the United States.

Mr. Little sets forth that a program of naval construction sufficient to restore the United States at least to its former position of second naval power in the Atlantic, with a surplus force in the Pacific sufficient to protect our coasts trade routes, possessions, the Canal Zone and adjacent territory, was recommended by an overwhelming vote in the recent referendum on National

Defense taken by the Chamber of Commerce of the United States. He informed Chairman Padgett the actual count of votes showed 952 votes in favor and only 10 against.

Three hundred and fifty-nine commercial and trade organizations representing forty-three states according to Mr. Little took part in the ballot.

"This record of business opinion in favor of an adequate navy has seemed to us momentous," Mr. Little argues, "and I am writing to urge upon you and your committee the adoption of a program not less than that passed by the Senate. Even the construction endorsed by the Senate will not, we are informed, attain the full measure of defense which the business men of the country have recommended. It seems, however, to offer a practical and tangible beginning and I take the liberty of urging it upon you on that account."

PIPE MAKERS BUY MOUNTAIN LAUREL ROOTS FROM GOVERNMENT.

WASHINGTON, August 14.—A sale of a large quantity of mountain laurel roots from one of the National Forests

in the Southern Appalachians is requested by officials in charge, who say that the roots will be used to make pipes.

The mountain laurel root is similar in appearance to the French briar, which the majority of pipe smokers are said to prefer. The French briar is the root of the white heath or "bruyere." These roots are gathered in large quantities, and after being cleaned sawed into blanks they are placed in hot water and simmered for twelve hours or more. This process gives them the rich hue for which the best pipes are noted. It is said that in 1915 the value of the blanks shipped to this country was almost \$300,000, and in addition a large number of finished pipes were imported.

On account of the present scarcity and high price of French briar, a number of pipe manufacturers in this country have been on the lookout for substitutes, and the Forest Products Laboratory has conducted experiments to determine the availability of other woods. It is reported that the mountain laurel root burns out more readily than briar, but Forest Service experts are trying to find a method of hardening the wood, and have succeeded to an

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

New Building Laws

of

San Francisco

On Sale, 25c per Copy.

Daily Pacific Builder

560 MISSION STREET

Mail Orders Solicited. Send coin or postage stamps of 1 and 2 cent denominations.

appreciable extent. They have also found that mountain mahogany, ceanothus, and manzanita, which are abundant in California, give promise of yielding material which will be the equal of French briar in every way.

Other woods now widely used for pipe making are apple wood, red gum, ebony, and birch, together with smaller amounts of olive wood, rosewood, and osage orange.

Considerable amount of the laurel roots are being used, and officials expect to make further sales. The lands purchased by the Government in the Southern Appalachians are reported to contain unlimited quantities of laurel, which is widely known for the delicate beauty of its flowers. In places it forms extensive thickets, which are almost impenetrable. Visitors to the mountains say that in the spring these thickets, or "pink beds" as they are called by the mountaineers, are indescribably beautiful and form one of the main attractions of the region.

The sales of laurel root will not be made at places frequented by tourists, or where the removal of the laurel will detract from the beauty of the landscape.

THE STATES FINANCES.

Second Article of Series by John Francis Veylan, Chairman, State Board of Control

With the approach of every political campaign in California we have a recurrence of a particularly vicious form of attack on the financial integrity of the State government, and, unfortunately for the credit of the commonwealth, it seems the present political campaign is to be no exception. Those agencies which are desirous of destroying Governor Johnson politically are willing, apparently, to destroy the financial credit of the State of California to achieve their purpose. Apparently no falsehood is too absurd or wild for these agencies to spread broadcast, the theory being that someone will believe it, and that it will be impossible for those familiar with the facts to keep up with every new yarn.

Such phrases as "commission ridden government," "new commissions add millions to pay-roll," "tax-payers groan under weight of commissions" are a few of the glittering generalities used by those reactionary influences which do not dare openly assert that they mean to destroy the California Railroad Commission, the State Board

of Control, the Industrial Accident Commission, the State Civil Service Commission, the State Highway Commission and the other governmental agencies which they have been unable to control during Governor Johnson's administration. They are not honest enough to publish the fact that the total of the appropriations for the support of all State boards, offices, bureaus, departments and commissions is \$2,282,331.52.

These influences desire most ardently to obscure the following facts which are demonstrable to any honest person, and which will be demonstrated in detail in a series of five or six articles which will cover the subject of the State's finances in detail.

Since Governor Johnson took office in 1911 the entire burden of maintaining the State government has fallen upon the corporations of California. The individual tax-payer has paid no state taxes—he has paid only city, county and other local taxes. The corporations have been justly taxed.

The average increase in appropriations for the support of the State government each two years has been the smallest in the history of the State under Governor Johnson. Under preceding Governors (when individual tax-payer was paying State taxes) the average increase each two years was 21.6 per cent. Under Governor Johnson it has been 11.8 per cent.

Under Governor Johnson the following State institutions have been modernized, with tremendous expenditures for buildings and equipment which were needed for years, but which were denied because of the old log-rolling theory of appropriations:

The University of California.

Six Hospitals for the Insane, and a new Hospital built.

Five State Normal Schools, and three new Normal Schools built.

The two State Prisons, and a Reformatory Farm purchased.

Two reformatories for boys, and a new reformatory for girls.

Under Governor Johnson the following governmental agencies and activities have been financed:

California Railroad Commission.

State Board of Control.

Industrial Accident Commission.

Civil Service Commission.

State Market Commission.

State Purchasing Department.

All of the expenses of these projects have been met and today in the State Treasury there is a credit cash sur-

plus of \$4,500,000.00. When Governor Johnson took office in 1911 there was a deficit of \$261,000.00.

(The next article will give the detail of the sources of all State revenues)

TESTS MADE AT BUREAU OF STANDARDS.

The facilities offered by the United States Bureau of Standards for testing a wide variety of articles have been of increasing value as demands leading to their employment have grown in recent months. A report showing the activities during June gives a review of the work that has been done in this line.

A six-cylinder automobile engine has been installed in the gas-engine testing laboratory at the bureau, to investigate the merits of materials that are being marketed with the claim that when added in small quantities to gasoline they produce increased efficiency, together with freedom from carbonization.

Railroad track-scale tests have been conducted in Minnesota by Test Car No. 1, co-operating with the railroad and warehouse commission of that State. During June, 29 railroad track scales were tested. Test Car No. 2 has been operating in the States of Maryland, West Virginia, and Kentucky and tested 33 railroad track scales during June.

A manila rope 9 inches in circumference was submitted by the Panama Canal. It was tested in the large Emery machine and failed at a load of 57,800 pounds.

The Chief Signal Officer of the Army submitted about 100 pieces of aeroplane structural material, representing wood and metal to be used in building 12 military reconnaissance aeroplanes for the Signal Corps. This material includes spruce, mahogany, bass wood, walnut, and ash woods, cold-rolled steels (flats, welded and brazed test specimens), and wire and cable with turnbuckles attached.

Miscellaneous testing included rubber and leather goods for the Panama Canal, and samples of miscellaneous materials submitted by manufacturers to the general supply committee in competition for Government contracts. During June 73 samples were tested. In addition to these, 232 samples of paper were tested, 170 of which were for the Public Printer and 113 for other executive departments.

Cut this out and mail to-day

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News
 560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and
 will pay you as per X mark below when you send your bill.

Signed _____
 Street and No. _____
 City _____
 State _____



Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 35.

Publication Office,
560 Mission St.

San Francisco, Cal., August 30, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"

**Automatic
Gas Water Heater**

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers
Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 5941

THE
Safe Deposit Vaults
of the
BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and Octavia

SAN FRANCISCO, CAL.



The uniformity and high quality of
"Pacific" Plumbing Fixtures explains their
popularity.

"Pacific"



Plumbing Fixtures

Showrooms and main offices.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

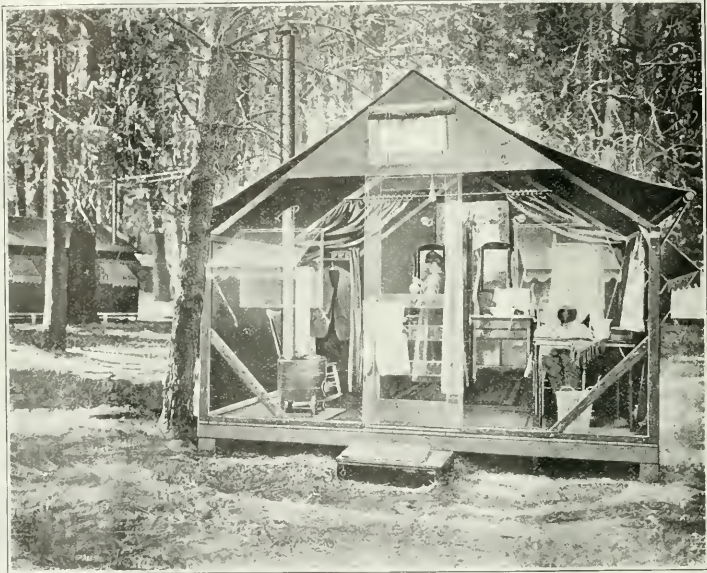
Factories,
RICHMOND,
CALIFORNIA

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. August 30, 1916

Sixteenth Year, No. 35



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates.—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street,
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	1
Apartment Houses.....	1
Banks.....	1
Bonds.....	1
Bridges, Dams and Harbor Work.....	1-5
Churches.....	5
Count Houses.....	5
Editorial Comment.....	5
Factories and Warehouses.....	5
Fire Houses and Jails.....	5
Flats.....	5
Fresno, Modesto, Stanislaus and Central California.....	20-21
Government Work and Supplies, a Halls and Society Buildings.....	5-6
Hospitals.....	5-6
Irrigation and Reclamation Projects.....	6
Los Angeles and Southern California.....	25
Marin, Contra Costa and Sonoma Counties.....	22-23
Oakland and Alameda County.....	18-19-20-21
Portland and Oregon.....	21
Post Offices.....	6
Power Plants and Water Systems.....	6
Residences.....	6
Sacramento, Stockton and Northern California.....	24-25-26-27
San Francisco.....	11-12-13
San Jose and the Santa Clara Valley.....	14-15-16-17-18
Schools.....	21-22
Sealed Proposals.....	9-10
Seattle and Washington.....	21
Stores and Street Work.....	8-9
Theaters.....	9

NATIONAL MILITARY TRAINING REQUIREMENTS.

Age at Which Training Should Be Begun and Length of Time Required to Complete It.

Captain George L. Converse, U. S. A., Retired, in response to a request to express his opinion on two features of the proposed bill for compulsory military training, drafted by Colonel G. V. H. Moseley, U. S. A., which draft is now in the hands of Senator George E. Chamberlain, Chairman of the Committee on Military Affairs, United States Senate, and which has been subjected to some criticism, has written an able treatise on the two points in question, e. g., "age at which training should be begun and length of time required to complete it."

Captain Converse has been for more than 16 years Commandant of Cadets at the Ohio State University, during which time he has done splendid work, not only in his strictly military capacity, but also from the human side as a confidant and adviser of the boys taking training under him. Some idea of the extent of Captain Converse's experience with young men can be gathered from the fact that during the college year just ended the number of men under arms in his department was over 1,800.

Captain Converse's opinion is not only valuable because of his wide experience, but is also interesting as representing the attitude of the thorough, conscientious Army Officer as modified by his contact with civilians, and his observation of the points of conflict between the demands of civilian life and those of a scheme of military training.

Captain Converse says:

"I have been lecturing to the students of the Ohio State University for years on the duty of all citizens in the matter of defense. I claim that religious or conscientious scruples cut no figure in this matter.

"Living in this country and accepting citizenship carries with it equal rights and obligations. One of the obligations is defense, and if a man accepts citizenship he must also accept the obligation of defense.

"The campaign for betterment must begin in our schools and colleges and the people as a whole must be taught to be honest with themselves and look every question squarely in the face.

"The physical condition of our young men as shown by examination of National Guardsmen makes one year of military training and regular living a necessity on the basis of health alone. The political pressure exerted by National Guardsmen in this mobilization when any question was decided by the War Department adverse to their wishes, demonstrates another fatal weakness in that organization. Let us have universal military service—citizens being divided into classes to be called into active service when necessary.

"My judgment on the points under discussion is that twenty years of age would probably produce better results, in the case of the average boy, than eighteen. If the material to be considered was all universal material I would agree that eighteen was better.

"Many boys are slow in developing; the average country boy is slow in developing, and the average boy without more than grade school work is hardly in condition mentally to get what he should get out of military work. Another thing, the average father holds his boy until he is 21 if he can do so. He would therefore be better pleased to have his son leave at 20 than at 18, because in the latter case he would probably never be content to return to the family to work as one of them without compensation.

"I would urge strongly one year of service. The physical condition of most of our young men is such that the first three months of service would be taken in building them up physically and getting them in trim for field work and carrying a pack. This could be done in winter as well as summer, and so utilize all army posts all over the United States. If the shorter term is determined upon all training camps will of necessity be in the South in order to have the training period at the time of year when it will interfere least with crops and work. The expense of transportation in that event would be enormous.

"If the year's training could commence say November 15th of each year, by March 1st all close order work and much theory could be gone over (using moving pictures)—body built up by regular life and work in the gymnasium—short marches and guard duty about the Post. March and April would harden him to longer marches and carrying pack, and then give the summer to all kinds of field service and maneuvers. Make the service say 10½ months and discharge him October 1st. The building up of the physical condition will be a big job.

"I see by the reports today that at Camp Willis 51 out of 150 men in Company G, 8th U. S. G., were refused on the ground of physical disability. I cannot give other figures as this is the only regiment under examination so far, and this was the first company examined. I am sure it would take 8 or 10 weeks to build the most of our young men up to the point where you would dare attempt to harden them for full service. Unless all training is done in the South then, the training season would have to be in the summer, and why not add the winter months which are not as valuable to the average man. My judgment then would be 20 years of age and at least ten months of service."

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house 3 story and base, frame, \$35,000. Architects, O'Brien Bros., 210 Montgomery street, S. F. Owner's name withheld. Location, Western Addition. Will contain 12 rooms arranged in two and three room suites. Plans being prepared.

SAN FRANCISCO—Apartment house alterations, frame, \$5,500. Architects, O'Brien Bros., 210 Montgomery street, S. F. Owner's name withheld. Location, Western Addition. Plans complete and figures being taken.

SAN FRANCISCO—Apartment house alterations, frame, \$5,500. Architects, O'Brien Bros., 210 Montgomery street, S. F. Owner's name withheld. Location, Mission District. Plans being prepared.

TACOMA, WASH.—Apartment house, 1 story and base, brick and steel, \$50,000. Architect, P. C. Creso, Spanway Wash. Owner, P. C. Creso. Location, Ninth and E streets, covering an area of 65 by 120 feet. Will contain 90 apartments of 2 and 3 rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$4,000. Architect, O. E. Evans, 2563 Mission street, S. F. Owner, G. I. Pehrson. Location, west Mission street south of Colledge. Will contain four apartments of two and three rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house alterations, 3 story and base, frame \$5,500. Architects, Poulkes & Hildebrand, Crocker Bldg., S. F. Owner, G. Coepert, 2131 Green street, S. F. Location, 2131 Green street. Will contain six apartments of two and three rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$35,000. Architect, O'Brien Bros., 210 Montgomery street, S. F. Owner, James J. Flinn. Location, northwest Duboce and Divisadero streets, covering an area of 52 by 170 feet. Will contain eighteen apartments, of two and three rooms. Plans nearly complete.

PORTLAND, OREGON—Apartment house, 3d story and base, brick, \$20,000. Architect, none. Owner, T. A. Sutherland, 1981 Hawthorne avenue, Portland. Location, Irvington District. Will cover an area of 100 by 100 feet. Plans complete and figures being taken.

SAN FRANCISCO—Apartment house alterations, 2 story, frame \$2,000. Architects, Heiman & Schwartz, Nevada Bank Bldg., S. F. Owner, J. Mosbacher. Location, 731 Fell street. Will contain four apartments. Plans complete and figures being taken.

BANKS

SAN FRANCISCO—Bank alterations. Cost not stated. Architect, none. Owners, Japanese Bank. Location, California and Front streets. Mr. Koh, 3391 Clay street, has been selected as manager of this new institution and all alterations will be done under his personal direction.

ALAMEDA, ALAMEDA CO., CAL.—Bank, 1 story and base, reinforced concrete, \$10,000. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owners, Citizens Bank of Alameda. Location, Webster and Haight streets. Will contain banking room, vaults and public space. Plans are being prepared.

BONDS

CARMICHAEL COLONY IRRIGATION DISTRICT, SACRAMENTO CO., CAL.—The highest price on record for irrigation bonds in California was paid for the bonds of the Carmichael Colony Irrigation District. A total of \$56,586 was realized on the \$57,600 worth of bonds, which will finance improvements as planned by the district.

WARM SPRINGS, ORE.—The property owners in the Warm Springs District, near Vale, Ore., have voted favorably upon the proposal to issue and sell \$750,000 in bonds for irrigation developments. The next step will be the sale of the bonds and the award of the contract for the work.

TRACY, SAN JOAQUIN CO., CAL.—Bonds of \$19,000 have been voted for a new city hall and jail and the purchase of fire equipment. Of the \$19,000 voted, \$14,000 will be used to erect a new city hall and jail and the remaining \$5,000 for fire equipment.

ILLWACO, LOS ANGELES CO., CAL.—Petitions are in circulation asking that an election be called to vote bonds of \$1,020,000 for water development.

WILLOWS, GLENN CO., CAL.—Petitions have been filed with the Supervisors of Glenn County for the formation of two irrigation districts under plans mapped out some time ago by D. N. Ross for the settlement of the irrigation problems of the county. One of the districts will be known as the Jacinto Irrigation District and will contain 19,650 acres. The other is to be called the Princeton-Codora-Gleann District and to contain 18,200 acres. Both will be organized under the Wright Irrigation Act.

POMONA, LOS ANGELES CO., CAL.—The Pomona Valley Telephone & Telegraph Company has sold bonds in the sum of \$1,000,000 and has closed for sites for the erection of a two-story reinforced concrete building at the northeast corner of Third and Louisa streets, Pomona, and a similar structure west of the Inn in Claremont. An architect will be engaged in the near future and work rushed.

BRIDGES, DAMS AND HARBOR WORK

SAN FRANCISCO—Bridge cables, \$3,874. Engineer, City Engineer. City Hall, S. F. Owners, City and County of San Francisco. Butte Engineering & Electric Co. submitted the lowest bid for furnishing and installing submarine cables for the Third street bridge. They will probably be awarded the contract.

OAKLAND, CAL.—Bridge reinforced concrete. Cost not stated. Engineer, County Surveyor, Oakland. Owners, Alameda County. Bids will be received up to and including September 11th for the construction of a reinforced concrete bridge on County Road No. 2432 or Palomares Canyon Road, near the lands of F. J. Parisa, in Section 21, T. 3 S., 1 W. Eden Road District, Eden Township.

SANTA ROSA, SONOMA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor Santa Rosa. Owners, Sonoma County. The County Supervisors have ordered bids received for the construction of a bridge across Wiley Creek in Greer Valley. Plans may be had from the County Clerk at Santa Rosa. Bids close September 14, 1916.

OROVILLE, BUTTE CO., CAL.—Bridge fills. Cost not stated. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be opened on September 8th at 2 p. m. for the construction of bridge fills near Honeycut Creek bridges.

SANTA YNEZ, SANTA BARBARA CO., CAL.—Bridge, steel and reinforced concrete, \$124,650. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Mercer-Fraser Co., Eureka, presents the lowest bid for this work at \$124,650 and will probably be awarded the contract. A complete list of the bids received will be found under the heading of Los Angeles and Southern California, in this issue.

REDWOOD CITY, SAN MATEO CO., CAL.—Bridge reinforced concrete. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on September 11th at 10 a. m. for the construction of a reinforced concrete bridge on the Half Moon Bay to Pescadero Road, at the crossing of San Gregorio Creek, Station 490, Route Division 2, Section 2, Fifth Road District.

EUREKA, HUMBOLDT CO., CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor Eureka. Owners, Humboldt County. Bids will be opened on September 12th for the construction of four highway bridges located as follows: Over Le Man's Creek, near Orick, in Road District No. 5; over Reas Creek, between Ferndale and Centerville, in Road District No. 1; over Maple Creek, near Ca son's, in Road District No. 3, and over

the North Fork of the Mattola River, near Petrolia, in Road District No. 1, Plans can be had from the County Clerk.

Contracts Awarded.

UKIAH, MENDOCINO CO., CAL.—Bridge, reinforced concrete, \$11,500. Engineer, County Surveyor, Ukiah. Contract price, \$11,500.

COLUSA, COLUSA CO., CAL.—Bridge paving. Cost as follows: Engineer, County Surveyor, Colusa. Owners, Colusa County. Contractor, A. Asbill, Colusa. Contract price, \$14 per square foot.

PETALUMA, SONOMA CO., CAL.—Wharf timber construction, \$5,000. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Contractors, All Construction Co., S. P. Contract price, \$5,000, not including lumber.

COLUSA, COLUSA CO., CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. Contractors, Hard Bros., 2623 G street, Sacramento. Bridges Nos. 92 and 93. Hard Bros., Williams Bridge No. 94. Bids for Bridge No. 96 were rejected and new figures will be called.

HANFORD, KINGS CO., CAL.—Bridges, reinforced concrete. Cost as follows: Engineer, County Surveyor, Hanford. Owners, Kings County. Contractor, S. G. Smartt, Bakersfield. Contract for 450 yards of bridges at \$4 per yard for concrete and 1 cent per pound for bending steel.

CHURCHES

SAN FRANCISCO—Church, 1 and 2 story and base, steel and reinforced concrete, \$150,000. Architects, Shea & Oquist, Bankers Investment Bldg., S. Owners, St. Peter's and St. Paul's parish. Location, Filbert street. Preliminary plans only prepared.

OAKLAND, CAL.—Church addition, 1 story, frame, \$5,000. Architects, Schlier & Bugbee Co., Dalziel Bldg., Oakland. Owners, St. Paul's Episcopal church. Location, Montecito avenue, near Grand. Will contain Sunday school rooms. Plans complete and figures being taken.

MERCED, MERCED CO., CAL.—Church, 1 story and base, reinforced concrete, \$20,000. Architects, Shea & Oquist, Bankers Investment Bldg., S. Owners, Roman Catholic Church, Thomas J. Brennan, pastor. Location, 1st and L streets. Will contain main auditorium, pastor's study and Sunday school rooms. Plans being prepared.

HONOLULU, T. H.—Church alterations, stone, \$10,000. Architects, C. W. Lecky & John J. Donovan, Perry Bldg., Oakland. Owner's name not given. Work will consist of the addition of alcoves and new interior trim. Plans being prepared.

COURT HOUSES.

Contracts Awarded.

WOODLAND, YOLO CO., CAL.—Court house, 2 and 3 story and base, reinforced concrete, \$225,000. Architect, J. H. Weeks, 75 Post street, S. F. Owners, Yolo County. Contractors: Albert Troast, S. F., general construction, \$198,000; Boyce & Son, Woodland, building, \$6,478; Lattourette-Pical Co., Sacramento, electric work, \$5,575; Ott Co., S. F., steam heating, \$7,280; Standard Electric Time Co., program clocks, \$920.

Factories and Warehouses

OAKLAND, CAL.—Warehouse, 2 story, frame, \$1,000. Architect, none. Owners, Barbour Chemical Co., Oakland. Location, east 50th avenue, near 7th street. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Water tank tower, steel, \$3,000. Architect, none. Owners, Moore & Scott Iron Works. Location, foot of Adeline street. Plans complete and work to be done by Day Labor.

OROVILLE, BUTTE CO., CAL.—Fruit packing house, 1 story, frame. Cost not stated. Architect, none. Owners, Stewart Fruit Co., Oroville. Location, Robinson street. Will cover an area of 30 by 50 feet. Plans complete and work to be done by Day Labor.

MODESTO, STANISLAUS CO., CAL.—Barn, 1 story, frame. Cost not stated. Architect, none. Owner, R. M. Fike, Route 4, Modesto. Will cover an area of 32 by 40 feet. Plans complete and owner taking figures. Bids close September 1th.

Contracts Awarded.

BERKELEY, ALAMEDA CO., CAL.—Shop building, 1 story, brick, \$10,075. Architect, W. H. Rateliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Contractor, J. Wenderling, 1911 Addison street, Berkeley. Contract price, \$10,075.

SEATTLE, WASH.—Factory, 3 story and base, reinforced concrete, \$35,000. Architect, none. Owners, Washington Mattress Co. Contractors, Ferro Concrete Construction Co., Empire Bldg., Seattle. Contract price, \$35,000.

SEATTLE, WASH.—Factory buildings and wharf, 2 and 5 story, reinforced concrete, \$250,000. Architect, Engineering Dept., American Can Co., New York City. Owners, American Can Co. Contractors, A. W. Quist & Co., Hoge Bldg., Seattle. Contract price, \$250,000.

FIRE HOUSES AND JAILS

VISALIA, TULARE CO., CAL.—Jail, 2 story and base, Class A construction, \$10,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Tulare County. Architect Kump has just been commissioned to prepare plans, and details of the construction can not be given at this time. Further mention will be made of the work.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, Thomas Hamill, 5535 Geary street, S. F. Location, south Clement street, east of 17th avenue, covering an area of 25 by 66 feet. Will contain two flats and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$5,000 each. Architect none. Owner, W. J. Keenan, 2 Atalaya Terrace, S. F. Location, south Fulton west of Masonic. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Flats, 2 story and base, frame, \$4,000. Architect, James T. Narbett, Richmond. Owner, Miss E. Whiting. Will contain two modern flats of five and six rooms. Plans complete and figures being taken.

GOVERNMENT WORK & SUPPLIES

Construction of Family Quarters.

The building program of the Panama Canal provides for the construction of 581 additional set. of family quarters. The completion of these buildings, provided deliveries of material conform to the schedule set forth, will be approximately as follows:

Ancon-Bathoa.

Four family center quarters.—Construction is now under way on the four sets and will be completed between October 15 and November 1.

Four-family frame quarters.—Commencing September 1, 10 buildings will be completed each five weeks until the total number of 75 is reached.

One-family cottages.—Commencing August 15, 15 buildings will be completed each five weeks until the total of 100 is reached.

Pedro Miguel.

Four-family frame quarters.—Commencing September 1, 25 per cent to be completed each month until total of 12 is reached.

One-family cottages.—Commencing September 1, 25 per cent to be completed each month until total of 16 is reached.

Cristobal.

Four-family frame quarters and one-family cottages.—These buildings are to be located east of quarantine station and building cannot be commenced until the site, which is low ground, has been filled to grade. It is expected that this work will be completed so that the construction of buildings may be begun about September 1.

Mare Island, Cal. Dredge.

The following bid was received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., August 12, for a gravity swing, 1-ton bucket dredge, for the Mare Island navy yard:

Union Iron Works Co., San Francisco, Cal., \$45,000.

POINT VINCENTE, CAL.—Light house and fog station, hollow tile construction, \$60,000 to \$70,000. Architect Light House Service, District 18, Custom House Bldg., S. F. Owners, United States Government. Will consist of a light house, fog station, storage building shop and three dwellings. Plans will not be ready for figures before January next.

HALLS AND SOCIETY BUILDINGS.

SACRAMENTO, CAL.—Lodge hall and stores, 4 story and base. Class A construction, \$130,000. Architect, Washington J. Miller, 417 Market street, S. P. Owners, Sacramento Native Sons Ass'n. A complete list of the bids opened for this work will be found under the heading of Sacramento and Northern California in this issue.

HOSPITALS

SAN JOSE, SANTA CLARA CO., CAL.—Hospital ward addition, 1 story, frame, \$7,500. Architect, William Binder, Rea Bldg., San Jose. Owners, Santa Clara County. Designed for a tubercular ward. Plans complete and figures being taken.

SAN FRANCISCO—Hospital clinic, 2 story and base, reinforced concrete. Cost not stated. Architect, G. Albert

Lansburgh, 709 Mission street, S. F. Owners, Mount Zion Hospital. Location, Post and Scott streets. Designed for a free clinic. Gift of M. A. Gunst. Plans complete and figures being taken.

SACRAMENTO, CAL.—Hospital wards, 2, 2 story hollow tile, \$35,000 each. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento County. Location, County Hospital grounds. Each ward will cover an area of 35 by 160 feet. Designed for a female surgical ward and for a maternity ward. Plans complete and figures being taken. Bids open on September 6th.

Contracts Awarded.

SAN FRANCISCO—Hospital, 2 story and base. Class A construction, \$25,000. Architect, Alfred I. Coffy, Humboldt Bank Bldg., S. F. Owners, St. Francis Hospital. Contractors, Higgins Co., Humboldt Bank Bldg. Contract price, \$25,000.

COLUSA, CAL.—Hospital painting, \$1,067. Architect, none. Owners, Colusa County. Contractor, L. H. Fitch, Colusa. Contract price, \$1,067.

IRRIGATION PROJECTS

MONTROSE, COLO.—Irrigation work cost not stated. Engineers, United States Reclamation Service, Montrose, Colo. Owners, United States Government. Bids will be received at the office of the Reclamation Service up to September 15th for constructing Ironstone Canal extension, California Mesa Lateral No. 3 and the Buttermilk Lateral, Uncompahgre Project, Colorado.

Contracts Awarded.

LINDSAY, TULARE CO., CAL.—Irrigation system, \$1,231,240.47. Engineer, Stephen E. Kieffer, Mechanics Institute Bldg., S. F. Owners, Lindsay-Strathmore Irrigation District. Contractor James Kennedy, Washington Bldg., Los Angeles. Contract price, \$1,231,240.47.

POST OFFICES

WILLOWS, GLENN CO., CAL.—Post-office, 1 and 2 story, stone and concrete, \$60,000. Architects, Bliss & Paville, Balboa Bldg., S. F. Owners, United States Government. Bids will be opened on October 2nd at 3 p. m. in Washington, D. C., for the complete construction of this building. Mechanical equipment included. Plans can be secured from the Supervising Architect at Washington, D. C., or from the Custodian of the site at Willows. An official proposal appears in another column of this issue.

Contracts Awarded.

PORTLAND, ORE.—Postoffice, 4 story and base. Class A construction, \$1,000,000. Architect, Lewis P. Hohart Crocker Bldg., S. F. Owners, United States Government. Contractors: Grant Peet, 2240 16th street, S. F. General construction, \$762,000; J. F. Shea, Portland, plumbing and heating, \$76,138. Electric work, Ne-Page-McKenney Co., Pittock Block, Portland, electric wiring. Contract price not stated.

POWER PLANTS AND WATER SYSTEMS.

SAN FRANCISCO—High pressure system, \$11,000. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The San

Francisco Board of Public Works has approved plans and specifications for the construction of the high pressure system on Telegraph Hill, on Pine street between Jones and Powell, and on First street between Folsom and Harrison streets.

SAN FRANCISCO—Water system improvements. Cost not stated. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Bids will be opened on September 15th at 11 a. m. for extensive improvements to the water supply system in the Presidio. Work will include cleaning entire water shed, extension of mains and construction of concrete dam, retaining walls and sedimentation tank. An official proposal appears in another column of this issue.

SAN FRANCISCO—Hetch-Hetchy project. Cost not stated. Engineer S. F. Owners, City and County of San Francisco. The San Francisco Board of Public Works has approved plans and specifications for Hetch-Hetchy switchboards and transformers, and bids have been ordered received up to September 6th for the transformers and to September 13th for switchboards.

PRESIDENCES

SAN FRANCISCO—Residence addition, 2 story frame, \$5,000. Architect, Frederick H. Meyer, Bankers Investment Bldg., S. F. Owner, Bertha L. Welche. Location, southeast Divisadero and Broadway. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$2,500 each. Architect, none. Owner, F. Nelson, 2761 Lincoln Way, S. F. Location, west 28th avenue, south of Lincoln Way. Each dwelling will contain six rooms, bath and garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 1 story and gable, frame, \$4,000 each. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Each house will contain eight rooms, two baths and separate garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,000 each. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owners, Bay View Construction Co., 2448 Third street, S. F. Location, West Pennsylvania south of 23rd. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$10,000. Architect, Henry H. Guttferson, 278 Post street, S. F. Owner, Mr. De Loss. Location, Forest Hill. Will contain eight rooms, two baths and basement garage. Plans complete and work to be figured at once.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. Owners, Costello and Ferick, 204 San Carlos avenue, S. F. Location, West 22nd avenue, South Anza. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,250. Architect, none. Owner, Edward Grandin, 1522 Prince street, Berkeley. Location, West Adeline north of 56th street. Will contain six rooms, bath and sleeping porch.

Plans complete and work to be done by Day Labor.

SARATOGA, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame and concrete, \$15,000. Architect, Willis Polk, Hohart Bldg., S. F. Owner, Charles D. Blaney. Will contain 14 rooms, five baths, sleeping porches and conservatory. A number of out-buildings will also be erected. Plans complete and figures being taken.

SAUSALITO, MARIN CO., CAL.—Residence, 1½ story and base, frame, \$5,000. Architects, Schirmer & Bugbee, Dalziel Bldg., Oakland. Owner, Mrs. Secareo. Will contain eight rooms, three baths and sleeping porches. Plans being prepared.

HONOLULU, HAWAII—Residence, 2 story and base, frame, \$15,000. Architects, C. W. Dickey, and J. J. Donovan, Perry Bldg., Oakland. Owner, A. H. Rice. Will contain twelve rooms, three baths and sleeping porches. Separate garage. Plans being prepared.

BERKELEY, ALAMEDA COUNTY, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. W. S. Young, 533 63rd street, Oakland. Location, west San Pablo avenue, north of Jones. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, A. H. Broad, 2117 Kittredge street, Berkeley. Location, east Gee avenue, South Berkeley. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$10,000. Architect, John J. Foley, 16 Kearny street, S. F. Owner, W. H. Bunster. Location, 12th avenue and Anza. Will contain eleven rooms, two baths and basement garage. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Joe St. Mary, 2220 Aucion avenue, Oakland. Location, west Aucion avenue, south of Blanche. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOLS

PLACERVILLE, EL DORADO COUNTY, CAL.—School, 1 story and base, hollow tile, \$35,000. Architects, N. W. Sexton & Co., Merchants National Bank Bldg., S. F. Owners, Placerville School District. Will contain eighteen class rooms and an assembly hall. Central heating system. Plans approved and figures to be called for at once.

SAN MARCOS, SAN LUIS OBISPO CO., CAL.—School, 1 story, brick and frame. Cost not stated. Architect, none. Owners, San Marcos School District. Will contain four class rooms. Plans complete and figures being taken.

ISLAND OF MAUI, T. H.—School 1 story, reinforced concrete, \$25,000. Architects, C. W. Dickey and John J. Donovan, Perry Bldg., Oakland. Will contain six class rooms and a large auditorium. Plans being prepared.

GARDINER, ORE.—School, 1 story and base, brick and concrete. Cost not stated. Architect, Charles Burggraf, Albany, Ore. Owners, City of Gardiner. Will cover an area of 100 by 100 feet. Plans being prepared.

HAYWARD, ALAMEDA CO., CAL.—School alterations and additions. Frame. Cost not stated. Architect, E. P. Whitman, Hayward. Owners, City of Hayward. Bids will be opened on September 2 for minor alterations and additions to the present school building.

VISALIA, TULARE CO., CAL.—School, 1 story and base, frame and concrete. Cost not stated. Architect's name not given. Owners, City of Visalia. Bids will be opened on September 11th at 7 p. m. for a six-room school. Plans can be secured from the Clerk of the Board of Education.

Contracts Awarded.

YUBA CITY, SUTTER CO., CAL.—School, 1 story, concrete, \$13,260. Architect's name not given. Owners, Yuba City School District. Contractors, Barton & Hite, 1812 L street, Sacramento. Contract price, \$13,260.

SAN FRANCISCO—Schools, 2 story convent and 3 story school, frame, \$23,705. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. John's Parish. Contractor, William M. Reedy, 157 Bronte street, S. F. Contract price, \$27,765.

LAKEPORT, LAKE CO., CAL.—School, 1 story and base, frame, \$23,000. Architects, Morrow & Garrin, Chronicle Bldg., S. F. Owners, Lakeport School District. Contractors: Keri & McLean, 110 Jessie street, S. F., general construction, \$22,743; Pacific Fire Extinguisher Co., S. F., heating, \$1,500.

SEWERS, STREET WORK & WATER SYSTEMS

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, South San Francisco. Owners, South San Francisco. Bids will be opened on September 4th at 8 p. m. for street improvements authorized under the following resolution: That Swift avenue, between the east line of the right of way of the Southern Pacific Railroad and the east end of Swift avenue and Walker avenue, be improved by grading; an asphaltic concrete pavement consisting of an asphaltic concrete wearing surface $\frac{1}{2}$ -inch thick laid on a concrete base 6 inches in thickness having a width of 18 feet; also by constructing earth shoulders on each side of said pavement; constructing reinforced concrete box culvert and 18-inch corrugated iron culverts.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Bids will be opened on September 1st at 10 a. m. for street improvements authorized under the following resolution:

That Kains avenue, from north line to the south line of Regents Park, Map No. 3, as shown on map of same on file in the office of the County Recorder of Alameda County, October 11, 1906, be graded.

That redwood curbs be constructed along the curb lines of said street; concrete gutters 3 feet wide, against said curbs; that the remainder of the roadway be macadamized and surfaced with oil and rock screenings. Excepting from the above work the curb and gutter over the existing catch basins at the north line of Virginia street.

SAN JOSE, SANTA CLARA CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Plans and specifications for the improvement of Trimble Road, in Supervisor District No. 3, have been approved by the County Supervisors and bids have been ordered received up to September 18th, 11 a. m. Plans for the work may be had from County Clerk Henry A. Fisher.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. At the last meeting of the City Council the city engineer was instructed to draw plans and specifications for a sewer on First street, to connect with Main street, and on Main street, below First.

SANTA ROSA, SONOMA CO., CAL.—Culvert reinforced concrete. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. The County Supervisors have accepted the specifications and plans as drawn by County Surveyor Malcom G. Youker for a concrete culvert in the first district on the road at the Ducker place. Bids will be opened for this September 14. Plans may be had from the County Clerk.

SANTA ROSA, SONOMA CO., CAL.—Culverts reinforced concrete. Cost not stated. Engineer, F. W. Maurice, Santa Rosa. Owners, Sonoma County. The plans and specifications prepared by F. W. Maurice for two concrete culverts on the Petaluma and Santa Rosa County road have been accepted by the County Supervisors and bids accepted for their construction have been asked. Plans may be had from the County Clerk.

LINDSAY, TULARE CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Lindsay. Owners, City of Lindsay. Bids for extensive street improvements will be opened September 12th at 8 p. m. for work authorized under the following resolutions:

That Sweet Briar avenue, from the north line of Apia street to the north line of Lewis street, including all street intersections, be graded, and paved with an asphaltic concrete wearing surface on a hydraulic cement concrete base; also that similar work be prepared on Lewis street, from the east line of Sweet Briar avenue to the west line of right of way of the Southern Pacific Railway Company's Fresno branch, including all street intersections; also Mt. Vernon avenue, from the south line of Honolulu street to the north line of Apia street; also Mt. Vernon avenue, from the north line of Apia street to a point on the east line of Mt. Vernon avenue.

That crushed rock and asphalt shoulders be constructed along each side of the pavement to be constructed on Mt. Vernon avenue between the north line of Apia street and a point on the east line of Mt. Vernon and along each side of the pavement to be constructed on the street lying along the right of way of the Southern Pacific Railway Company's Fresno branch.

That the street lying along the west line of the right-of-way of the Southern Pacific Railway Company's Fresno branch, from the north line of Lewis street to the south city limits, be graded and paved to the official grade with an asphaltic concrete base.

That cement concrete curbs be constructed to official line and grade along the west curb line of Sweet Briar avenue from the south line of Apia street to the north line of Lewis street and along both sides of Lewis street from the east line of Sweet Briar avenue to the east line of the right-of-way of the Southern Pacific Railway Company's Fresno branch and along the west curb line of Mt. Vernon avenue from the south line of Honolulu street to the north line of Apia street.

That galvanized corrugated iron culverts be constructed across Apia street and across Lewis street on the line of the gutter on the east side of Sweet Briar avenue and across Mt. Vernon avenue on the south line of Apia street and across the street lying along the west line of the right-of-way of the Southern Pacific Railway Company's Fresno branch, at a point midway between the intersection of Lewis street and the south city limits and across the street lying along the west line of the right-of-way of the Southern Pacific Company's Fresno branch at a point 100 feet north from the south city limits.

HANFORD, KINGS CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Hanford. Owners, Kings County. Bids will be called for within the next few days by the County Supervisors for the construction of $1\frac{1}{2}$ miles of highway between Guernsey and Corcoran, plans for this work having been completed.

MARYSVILLE, YUBA CO., CAL.—Street paving. Cost as follows. Engineer, City Engineer, Marysville. Owners, City of Marysville. Two bids were received by the City Council for improving streets in district two and three. The Federal Construction Company, Sharon Bldg., San Francisco, bid 11 cents on both jobs and Clark & Henry, 38 S. Henry street, Sacramento, 13.8-10 cents on both jobs. The bids were referred to City Engineer Meek to report back as to who should be awarded the contract.

FORT BRAGG, MENDOCINO CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Fort Bragg. Owners, City of Fort Bragg. Final action will be taken at the next meeting of the City Trustees for the paving of the streets of Fort Bragg. City Engineer Gray has a preliminary report prepared for the trustees on the various types of paving together with estimates of cost. The paving work will cover an area of approximately 362,164 square feet.

TRACY, SAN JOAQUIN CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Tracy. Owners, City of Tracy. The City Trustees have directed City Engineer Raab to prepare plans and specifications for grading, graveling, curbing and side-walks on Sixth street, from B to C streets and also from West street to B street. Bids will be taken on approval of the plans.

MARYSVILLE, YUBA CO., CAL.—Street paving, etc. Cost as follows: Engineer, City Engineer, Marysville. The lowest bid for street paving in the history of Marysville was received when the City Council opened bids for the improvement of several blocks of street. The low bid was 8½ cents per square foot for asphalt concrete pavement and was submitted by the Federal Construction Company, 323 Sharon

Bldg., San Francisco. The Federal Construction Company also was low on other items. All bids were referred to the City Engineer.

RIVERSIDE, RIVERSIDE CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Riverside. Owners, City of Riverside. Bids will be opened on September 5th at 10 a. m. for constructing a sanitary sewer, including manholes, to be constructed along Gardfield street, Van Buren street, Hayes street, Jackson street. The size of the sewer pipes shall be: Jackson street, 8 inches; Gardfield street, 14 inches; Van Buren street, 8 inches; and Hayes street, 6 inches. The material shall be vitrified, salt-glazed sewer pipe, brick, iron and mortar.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Street improvements. \$25,000. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. P. R. Ritchie, Chronicle Bldg., San Francisco, submitted the lowest bids on three paving jobs for this city, and while the City Council had not awarded the contract, it is probable that favorable action will be taken on these bids. There were two firms bidding on each item, P. R. Ritchie and the Municipal Improvement Co.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on September 7th for street improvements authorized under the following resolutions:

That 8 street, from Front street to 31st street, be improved by constructing concrete sidewalk on official line and grade where concrete sidewalk does not exist on official line and grade, and grading the space between the property line and curb.

That T street, from Front street to 28th street, be improved by removing and disposing all surplus and refuse material in the sidewalk area; constructing concrete sidewalk 6 feet wide and 3½ inches thick on official line and grade where concrete sidewalks do not exist, and grading the space between the property line and curb.

That Spafford avenue, from Madrone avenue to Cypress avenue, be improved by constructing concrete gutter; one concrete manhole complete with cast iron curb and cover; constructing 6-inch vitrified ironstone sewer pipe drains; placing 2 cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches in thickness, and an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Bids close September 1 on this resolution.

That the alley between J and J streets, from 11th to 15th streets, be improved by placing 3 linear feet of concrete protective covering over 2-inch sewer pipe flusher branch complete; reconstructing 1 concrete catch basin by placing same to official grade; lowering 1 flush tank to grade and filling in the same with earth; constructing 80 linear feet of concrete curb wall; grading the alley and constructing thereon an asphalt pavement consisting of an asphaltic macadam foundation 3 inches thick and a sheet as-

phalt wearing surface 1½ inches thick.

That M street, from 30th street to 31st street, be improved, by grading the space between the property line and curb where concrete sidewalk does not exist on official line and grade, where concrete sidewalk does not exist.

AUBURN, PLACER CO., CAL.—Cement. Cost not stated. Engineer, City Engineer, Auburn. Owners, City of Auburn. All bids for furnishing cement for use in the State Highway lateral in Auburn have been rejected by the City Trustees. The cement will now be purchased in the open market.

WOODLAND, YOLO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Woodland. Owners, Yolo County. County Surveyor or Asa Proctor is surveying a new proposed road between Madison and Esparto. It is proposed to build the road of gravel sufficiently thick to withstand the heavy travel during the wet weather.

REDWOOD CITY, SAN MATEO CO., CAL.—Culverts, reinforced concrete. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. County Surveyor Neuman has been directed by the County Supervisors to prepare plans and specifications for the construction of two new culverts on the Pulgas Road, near Field's school, in the Second Township. Bids for the work will be called for on the completion and acceptance of the plans.

MODESTO, STANISLAUS CO., CAL.—Sewer construction, \$30,000. Engineer, City Engineer, Modesto. Owners, City of Modesto. At the last meeting of the City Council the City Engineer recommended the expenditure of \$1,735 on sanitary sewer work, and the building of a storm sewer trunk line on 11th street from J street to Dry Creek to relieve the menace of winter storm waters.

HANFORD, KINGS CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Hanford. Owners, Kings County. The County Supervisors have ordered bids received up to September 7th for the construction of the highway units south and west of Gurnsey and north and west of Corcoran. Further information together with plans and specifications may be had from the County Clerk.

RIVERSIDE, RIVERSIDE CO., CAL.—Highway construction. Cost as follows: Engineer, County Surveyor, Riverside. Owners, Riverside County. At the last meeting of the County Supervisors two bids were opened for the contract of concreting the Scully ranch section, that of the Connor Co. of Los Angeles, \$19,136.20, and that of H. E. Cox of Pasadena, \$12,226. A third bid from the Isbell Contracting Co., Ventura, arrived too late to be considered and was not opened. After considering the bids the Board rejected them as being too high. The county was to have furnished the material for the work.

The improvement of 12th avenue, between Cabrillo and Fulton streets, by the construction of artificial stone sidewalks 9 feet wide, where artificial stone sidewalks at least 9 feet wide have not already been constructed. Awarded to S. F. Johnson, for \$292.50.

The improvement of Cabrillo street, between 20th and 21st avenues, where not already improved, by the construc-

tion of concrete curbs; 7-foot wide strip of vitrified brick pavement on concrete foundation adjacent to the center line thereof; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphalt wearing surface on the remainder of the roadway. Awarded to City Street Improvement Co., 166 Geary street, for \$186.

The improvement of Caselli avenue, between Mona street and Falcon avenue, where not already improved, by the construction of concrete curbs; basalt block gutters on a concrete foundation and a basalt block pavement on a sand foundation. Awarded to T. Gallagher, for \$1,031.35.

The improvement of Balboa street, between 30th avenue and 32nd avenue, by grading, construction of the following vitrified, salt-glazed, ironstone pipe; sewers and appurtenances: 8 and 12-inch with 12 Y branches, 3 brick manholes, 5 brick catch-basins, with cast iron frames, gratings and traps and 19-inch vitrified, salt-glazed, ironstone pipe culverts; concrete curbs; artificial stone sidewalks; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Owen McHugh 201 Russ Bldg., San Francisco, for \$11,810.55.

Contracts Awarded

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contracts for street improvements have been awarded under the following resolutions:

That a 6-inch vitrified ironstone pipe sewer be constructed along Walnut street, from Eunice street northerly, also a brick manhole 4 feet in diameter and 4-inch vitrified ironstone pipe Y branches. Awarded to T. W. Tohin, 735 Filbert street, Oakland.

That a cement sidewalk 6 feet wide be constructed in the east sidewalk area of San Pablo avenue from University avenue to Delaware street, north sidewalk area of University avenue from San Pablo avenue to Curtis street, and the north sidewalk area of University avenue from West street to Acton street, except already done. Awarded to Oakland Paving Co., 5000 Broadway, Oakland.

That the west half of Franklin street from Delaware street distant 100.15 be regraded; a redwood curb be constructed, concrete, concrete gutter 3 feet wide, and the remainder of the roadway be macadamized. Awarded to Oakland Paving Co., 5000 Broadway, Oakland.

SAN FRANCISCO—Street improvements. Cost as follows: Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contracts have been awarded as follows by the Board of Public Works:

The improvement of Silliman street, between Girard and Berlin streets, by the construction of concrete curbs; artificial stone sidewalks of the full official width and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof, awarded to D. L. Bienfeld, Phelan Bldg., San Francisco, for \$2,364.

The improvement of Mono street, between Caselli avenue and Eagle streets,

by the construction of a 12-inch vitrified, salt-glazed, ironstone pipe sewer with 13 Y branches and 2 brick manholes, a vitrified brick pavement on the roadway thereof, awarded to T. Gallagher for \$990.70.

The improvement of De Haro street, between 19th and 20th streets, by grading, construction of a 12-inch vitrified, salt-glazed, ironstone pipe sewer with 29 Y branches and 2 brick manholes, awarded to J. P. Holland, 550 Third street, for \$8,872.50.

BERKELEY, ALAMEDA CO., CAL.—Street and sewer work. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The following contracts for street improvements have been awarded: The contract for the paving of University avenue from Grove street west to Third street has been awarded to the Oakland Paving Co., 3900 Broadway, Oakland. The Shattuck avenue sewer work was awarded to W. J. Tobin, 735 Filbert, Oakland, and the sewer on Hopkins street to Chambers & Heafey, Bacon Bldg., Oakland.

SANTA ROSA, SONOMA CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Contractors, Western Motor Drayage Co., 114 Church street, S. F. Contract for furnishing and placing seven miles of asphalt dressing.

UKIAH, MENDOCINO CO., CAL.—Highway Improvements. Cost as follows: Engineer, County Surveyor, Ukiah. Owners, Mendocino County. At the last meeting of the County Board of Supervisors the following bids were received for the construction of the Navarro and Salmon Creek road: Stoddard & Buchanan, \$10,081; Jessie L. Fairbanks, \$10,261.50; Elwell & Pesula, \$11,280; R. B. Markle, \$11,000. The contract was awarded to Stoddard & Buchanan. This was figured on constructing 2 miles of road, 2½ miles of it being estimated as necessary to surface with rock, which will require 3200 cubic yards.

TRACY, SAN JOAQUIN CO., CAL.—Street paving. Cost as follows: Engineer, City Engineer, Tracy. Owners, City of Tracy. Contractor, Ruben Johnston, Tracy. Contract price for North A, B, C, D, E, F, and 8th streets \$11,479.50; for 9th and 10th streets, \$13,313.

PLACERVILLE, EL DORADO CO., CAL.—Street paving, \$21,070.80. Engineer, City Engineer, Placerville. Owners, City of Placerville. Contractors, A. Teichert & Son, Ochsner Bldg., Sacramento. Contract price, \$21,070.80. Note contract does not include gutters, sewers or culverts. Cement furnished by city.

STOCKTON, SAN JOAQUIN CO., CAL.—Street improvement, \$13,828.68. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors, Paul & Caldwell, Stockton. Contract price, \$13,828.68. Engineer's estimate, \$16,116,306.93.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions:

That First avenue in Oak Grove from Lower Stockton Road to Central avenue be improved by constructing concrete curb, concrete gutter, placing cast

iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached; constructing 6-inch vitrified ironstone sewer pipe drains; grading the space between the property line and curb; constructing concrete sidewalks; grading the roadway from the east line of the Lower Stockton Road to west line of Central avenue and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to T. A. Teichert Son, Ochsner Bldg., Sacramento.

That J street from Ashby avenue to Apricot avenue be improved, by constructing concrete curb, concrete gutter; placing cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached; constructing 6 and 8-inch vitrified ironstone sewer pipe drains; reconstructing existing concrete manhole; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½-inch thick, filling in behind the curbs with earth for a distance of 8 feet. Awarded to Clark & Henry Construction Co., 38 S. Henry street, Sacramento.

MARYSVILLE, YUBA CO., CAL.—Street paving, etc. Cost as follows: Engineer, City Engineer, Marysville. Owners, City of Marysville. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price for filling, paving and grading, 9 cents per square foot.

SAN FRANCISCO—Street improvements. Cost as follows: Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts for street improvements have been awarded under the following resolutions:

The improvement of 28th avenue, between Cabrillo and Fulton streets, by grading to official line and grade. Awarded to S. T. Johnson and J. H. Franks, for 28 cents per yard for 30,237 yards.

The improvement of 44th avenue, between Irving and Judah streets, where not already improved, by the construction of granite curbs; artificial stone sidewalks 6 feet wide; and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to Thos. A. Clark, 68 Post street, S. F., for \$833.25.

STORES AND OFFICES

SAN FRANCISCO Offices, 1 story and base, reinforced concrete \$75,000. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owner, Dr. Abrams. Location, southeast Leavenworth and Sutter streets. Will be arranged for physicians' offices with living apartments in connection. Plans complete and bids being taken.

BERKELEY, ALAMEDA CO., CAL.—Stores, 1 story, brick, \$2000. Architect none. Owner, R. W. Rohie, 1224 Spruce street, Berkeley. Location, north Virginia, east of Shattuck. Will contain one small store. Plans complete and work to be done by Day Labor.

RAY POINT, CONTRA COSTA CO., CAL.—Store, 1 story and base, brick veneer, \$3,500. Architect, James T. Nabett, Richmond. Owner, A. W. Smith Bay Point. Designed for a modern drug store. Plans being prepared.

Contracts Awarded.

SAN FRANCISCO—Stores and lofts, 2 story and base. Class C construction, \$35,000. Architect, Clarence A. Tantau, Clinic Bldg., S. F. Contract price, \$35,000.

SAN ANSELMO, MARIN CO., CAL.—Store, 1 story and base, reinforced concrete, \$6,000. Architects, O'Brien Bros., 210 Montgomery street S. F. Owners, Buckley Co., Contractor, Peter Hamilton, San Anselmo. Contract price \$6,000.

THEATRES

SACRAMENTO, CAL.—Theatre alteration, 2 story. Class C construction, \$60,000. Architect, E. C. Hemming, 1095 K street, Sacramento. Owners, Heilbron Estate. Location, J street, between 5th and 6th streets. Seating capacity 1,500 people. Plans complete and figures being taken.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

OFFICE of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, until Monday, September 11, 1916, at 10 o'clock a. m. On the day when said bids will be opened and the contract awarded for the construction of a Tubercular Hospital Building, on the site near Livermore owned by the County of Alameda.

Complete plans and specifications for said work are on file in the office of the County Clerk, in the Hall of Records Building, Oakland, California, where copies may be obtained by depositing with County Clerk the sum of ten (10) dollars. Contractors will be restricted as to the length of time they may retain these plans and specifications to ten (10) days.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the contract.

(Seal) GEO. E. GROSS, Clerk of the Board of Supervisors of the County of Alameda.

Dated August 14, 1916.

PROPOSALS FOR CAMEL SUPPLIES.

PANAMA CIRCULAR 1613 — Proposals for Sheet Steel, Iron or Iron Strap Hinges, Collars, Cap Screws, Chain Blocks, Snatch Blocks, Garbage Cans, Water Coolers, Steep Office Furniture, Including Book-cases, Filing Cabinets, Desks and Wardrobes, Electric Motors, Copper Cable, Chain Bolts, Cabin Door Hooks, Copper Tacks, Brass Screws, Wire Staples, Rag Taps, Metallic Tapes, Oil Cans, Oilers, Wheel Stones, Asbestos, Magnesite Cement, Tent Flies, Door Mats, Coffee Cans and Pots, Bakers' Trays, Roasting Pans, Aluminum Pots, Egg Whisks, Bottles, Hygienic Drinking Cans, Paper Towels, Bond Paper, Scratch Pads, Bristol Board, Tagboard, Manila and Linen Tags, Lumber Crayons and White Oak Lumber. Sealed Proposals will be received at the office of the general pur-

chasing office, the Panama Canal, Washington, D. C., until 1230 a. m. September 6, 1916, at which time they will be opened to the public, for furnishing the above-mentioned articles. Blanks and general information relating to this circular (No. 1073) may be obtained from this office or the offices of the assistant purchasing agents, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARTH BROWN, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR POWER PLANT.—Sealed Proposals for Heating and Power Plant will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 1 o'clock p. m., September 30, 1916, and there publicly opened, for installing generator sets furnished by the government, and furnishing and installing boilers, condensers, pumps, motors, switchboard equipment, piping, wiring, lighting, etc., for the heating and power plant at the naval torpedo station, Puget Sound, Wash. Plans and specifications can be obtained on application to the bureau or to the commandant, navy yard, Bremerton, Wash. F. R. HAIGIS, chief of bureau.

PROPOSALS FOR CANAL WORK.—CANAL WORK—Department of the Interior, United States Reclamation Service, Washington, D. C., August 11, 1916.—Sealed proposals will be received at the office of the United States Reclamation Service, Montrose, Colo., until 3 o'clock p. m., September 15, 1916, for the construction of the Ironstone Canal extension, California Alsea Lateral No. 3 and the Butte-milk Lateral, Uncompahgre Valley project, in the vicinity of Delta and Olmito, Colo. This work involves the excavation of about 83,500 cubic yards of material in open cut. For particular details, the United States Reclamation Service, Montrose, Colo., Denver, Colo., or Washington, D. C. MORRIS BIEN, acting director.

PROPOSALS FOR EXCAVATING.—EXCAVATION—Department of the Interior, U. S. Reclamation Service, Washington, D. C., August 11, 1916.—Sealed proposals will be received at the office of the United States Reclamation Service, Grand Junction, Colo., until 2 o'clock p. m., September 14, 1916, for about 12,000 yards of lateral excavation. The work is situated in the vicinity of Meek, Colo. For particulars address the United States Reclamation Service, Grand Junction, Colo., Denver, Colo., or Washington, D. C. MORRIS BIEN, acting director.

INVITATION FOR PROPOSALS.—TREASURY DEPARTMENT, Supervising Architect's office, Washington, D. C., August 17, 1916.—Sealed proposals will be opened in this office at 3 p. m., October 2, 1916, for the construction complete of the United States post office at Willows, Cal. Drawings and specifications may be obtained from the custodian of site at Willows, Cal., or at this office, in the discretion of the Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect.

PROPOSALS FOR MAIL-HANDLING DEVICE.

MAIL-HANDLING DEVICE—Treasury Department, Supervising Architect's office, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m., October 2, 1916, for mail-handling devices, etc., in the U. S. post office at Denver, Colo., in accordance with specification and drawing, copies of which may be obtained at this office, in the discretion of the supervising architect, JAMES A. WETMORE, acting supervising architect.

NEW BLANKET MILL FOR CALIFORNIA.

California will have a full-fledged mill for making woolen blankets within the next four weeks. Oregon cap-

italists, learning of the dearth of woolen blankets caused by the closing up of many European mills and the growing demand for blankets by the armies of both the United States and Europe, have purchased the \$100,000 woolen mill building and plant at Marysville, which has been closed up for some 17 years, and are bringing some 20 expert woolen blanket operators and their families to the State determined to start a new California industry which shall successfully bid for the trade of the world.

Executive Secretary Charles R. Thornburn, of the Home Industry League of California, states that the famous Bishop Brothers are behind the new company which is to be known as "The Marysville Woolen Mills Company, Incorporated," and that after their blanket department is successfully started, the manufacture of fabric for woolen clothing will also be entered upon, on a large scale, by the newly re-opened mill.

"Recent investigations of government experts prove that there exists below the Mission district of San Francisco and below the city of Marysville, subterranean lakes of water containing chemical ingredients that are ideal in the manufacture of wool," says the Secretary of the Home Industry League, "and it will be a matter of but a very short while when California woolen cloth and woolen blankets will be the talk of the world. Various capitalists are now investigating the conditions with a view of going in 'big' and planning advertising campaigns of international dimensions."

INSTRUCTION IN CONCRETE WORK

Wentworth Institute, Boston, is about to add to its courses of instruction one on practical concrete work, having for its object the training of young men for the work of concrete foremen and contractors. The Institute has set aside one of its best laboratory rooms for this concrete course and is fitting it up with modern testing machinery and other necessary equipment to make possible various determinations that will illustrate the technical as well as the practical sides of the applications of concrete. The first sessions will begin Monday, September 18.

This work has been made possible largely by the co-operation of the Portland Cement Association, the work having been planned by its Extension Division. J. C. Donaldson, Field Engineer of the Extension Division, will be located at Wentworth Institute for some time, assisting in the necessary preliminaries and afterward in starting and directing the course along the lines planned. A number of prominent engineers have lent considerable encouragement to this joint move on the part of the Portland Cement Association and the Wentworth Institute, which gives added assurance of its success.

This departure is, in a sense, new for an institution of the class in which Wentworth Institute may justly be placed, yet is only an extension of the Manual Training in Concrete idea which has demonstrated its popularity and appeal in numerous ways during the past year or more—perhaps most notably in the recent Short Course in

Concrete for Manual Training and Vocational Teachers, which was held during the early part of the summer at Lewis Institute, Chicago.

NEW MACHINE FOR TESTING BOXES

WASHINGTON, August 11.—A machine for testing the strength of boxes has been devised by engineers of the Forest Service and is in use at the Forest Products Laboratory at Madison, Wisconsin. The machine is the result of experiments made to determine a fair test for all types of boxes. A series of tests in co-operation with the American Society for Testing Materials and the National Association of Box Manufacturers has been carried on during the past year to determine the strength of boxes of various woods and of different construction. Over four and a half billion feet of lumber is used for box making every year, and on this account the tests are considered important. Moreover, big losses are caused by the breakage of boxes in transit, and all parties concerned are said to be anxious to determine the best kind of box.

The machine consists of a hexagonal drum with 3½-foot sides, which is lined with thin steel sheets. Pieces of scantling bolted to the bottom form what are known as "hazards."

In making the tests boxes filled with cans containing water are placed in the drum, which is then rotated. For convenience in observing the results of the tests, the sides and ends of the box are numbered with large figures, and in addition other numbers are placed at specified points on each side. The "hazards" cause the boxes to be carried part way around and then dropped back to the lower level of the drum. Each fall of this sort is a pretty fair imitation of the probable treatment it would receive in shipment. The boxes are watched carefully, and notes are taken on the manner in which they give way and the number of falls required to break them in pieces.

In this way, say the officials who have conducted the tests, it is possible to determine what kinds of woods are best suited for boxes. The tests showed a decided need for a standard classification of box woods, and three groups have been made, based on the data which was obtained.

The tests also show the best methods of box construction. The experts say that one of the most striking things brought out was the inadequacy of the ordinary methods of nailing up boxes. The number of nails used and the way they are put in are important. One nail more to the side of a box will give it a great deal more strength than might be thought. The nails should not be driven too deep into the wood. In many cases, it is said, proper nailing will allow a reduction of the amount of lumber used without any decrease in the value of the box. Boxes with cleated ends were found to be much stronger than those without cleats.

As a result of the tests made at the Forest Products Laboratory, tentative specifications for boxes used in shipment of canned goods have been drawn up and submitted to the various parties interested, for discussion.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

BRIDGE CABLES—\$3,874. San Francisco. Engineer, City Engineer. City Hall, S. F. Owners, City and County of San Francisco. Butte Engineering and Electric Co. submitted the lowest bid for furnishing and installing submarine cables for the Third Street bridge. They will probably be awarded the contract.

RESIDENCE—2 story and base, frame, \$15,000. Honolulu, Hawaii. Architects, S. C. W. Dickey, and J. J. Donovan, Perry Bldg., Oakland. Owner, A. H. Rice. Will contain twelve rooms, three baths and sleeping porches. Separate garage. Plans being prepared.

APARTMENT HOUSE—3 story and base, frame, \$35,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location, Western Addition. Will contain 42 rooms arranged in two and three room suites. Plans being prepared.

APARTMENT HOUSE ALTERATIONS—Frame, \$5,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location, Western Addition. Plans complete and figures being taken.

APARTMENT HOUSE ALTERATIONS—Frame, \$3,500. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location, Mission District. Plans being prepared.

APARTMENT HOUSE—2 story and base, frame, \$1,000. San Francisco. O. Evans, 2569 Mission street, S. F. Owner, G. I. Pehrson. Location, West Union street, south of College. Will contain four apartments of two and three rooms. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, Thomas Hamill, 5535 Geary street, S. F. Location, South Clement street, east of 17th avenue, covering an area of 25 by 66 feet. Will contain no flats and basement garage. Plans complete and work to be done by Day Labor.

FLATS—2, 2 story and base, frame, \$1,000 each. San Francisco. Architect none. Owner, W. J. Keenan, 2 Atalaya terrace, S. F. Location, South Fulton street, west of Masonic. Will contain no flats of five and six rooms. Plans complete and work to be done by Day Labor.

HOSPITAL CLINIC—3 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, G. Albert Lansburgh, Mission street, S. F. Owners, Mount Zion Hospital. Location, Post and Scott streets. Designed for a free clinic. Gift of M. A. Gunst. Plans complete and figures being taken.

SCHOOL—1 story, reinforced concrete, \$25,000. Island of Maui, Hawaii. Architects, C. W. Dickey & John J. Donovan, Perry Bldg., Oakland. Will contain six class rooms and a large auditorium. Plans being prepared.

APARTMENT HOUSE ALTERATIONS—2 story, frame, \$2,000. San

Francisco. Architects, Heiman & Schwartz, Nevada Bank Bldg., S. F. Owner, J. Mosbacher. Location, 731 ments. Plans complete and figures being taken.

APARTMENT HOUSE ALTERATIONS—3 story and base, frame, \$3,500. San Francisco. Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner, G. Goepfert, 2134 Green street, S. F. Location, 2134 Green street. Will contain six apartments of two and three rooms. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$35,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Jas. J. Flinn. Location, northwest Duhoce and Divisadero streets, covering an area of 52 by 170 feet. Will contain eighteen apartments of two and three rooms. Plans nearly complete.

RESIDENCE—2 story and base, frame, \$10,000. San Francisco. Architect, John J. Foley, 46 Kearny street, S. F. Owner, W. H. Bunster. Location, 12th avenue and Anza. Will contain eleven rooms, two baths and basement garage. Plans complete and figures being taken.

STREET IMPROVEMENTS. Cost as follows: San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts for street improvements have been awarded under the following resolutions:

The improvement of 28th avenue, between Cabrillo and Fulton streets, by grading to official line and grade. Awarded to S. T. Johnson and J. H. Franks, for 28 cents per yard for 30,237 yards.

The improvement of 41th avenue, between Irving and Judah streets, where not already improved, by the construction of granite curbs; artificial stone sidewalks 6 feet wide, and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to Thos. A. Clark, 68 Post street, S. F., for \$333.25.

The improvement of 12th avenue, between Cabrillo and Fulton streets, by the construction of artificial stone sidewalks 9 feet wide, where artificial stone sidewalks at least 9 feet wide have not already been constructed. Awarded to S. F. Johnson for \$292.50.

The improvement of Cabrillo street between 20th and 21st avenue, where not already improved, by the construction of concrete curbs; 7-foot wide strip of vitrified brick pavement on concrete foundation adjacent to the center line thereof; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway. Awarded to City Street Improvement Co., 166 Geary street, for \$486.

The improvement of Caselli avenue, between Mona street and Falcon avenue, where not already improved, by the construction of concrete curbs; basalt block gutters on a concrete foundation

and a basalt block pavement on a sand foundation with a gravel filler on the roadway. Awarded to T. Gallagher, for \$1,043.35.

The improvement of Balboa street, between 30th avenue and 32nd avenue, by grading, construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with 12 V branches, 3 brick manholes, 5 brick catch-basins, with cast iron frames, gratings and traps, and 10-inch vitrified, salt-glazed, ironstone pipe culverts; concrete curbs; artificial stone sidewalks; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Owen McHugh, 304 Russ Bldg., San Francisco, for \$11,840.55.

HIGH PRESSURE SYSTEM—\$11,000. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The San Francisco Board of Public Works has approved plans and specifications for the construction of the high pressure system on Telegraph Hill, on Pine street, between Jones and Powell, and on First street, between Folsom and Harrison streets.

WATER SYSTEM IMPROVEMENTS—Cost not stated. San Francisco. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Bids will be opened on September 18th at 11 a. m. for extensive improvements to the water supply system in the Presidio. Work will include cleaning entire water shed, extension of mains and construction of concrete dam, retaining walls and sedimentation tank. An official proposal appears in another column of this issue.

BANK ALTERATIONS—Cost not stated. San Francisco. Architect, none. Owners, Japanese Bank. Location, California and Front streets. Mr. Koh, 3381 Clay street, has been selected as manager of this new institution and all alterations will be done under his personal direction.

CHURCH—1 and 2 story and base, steel and reinforced concrete, \$150,000. San Francisco. Architects, Shea & Lofquist, Bankers Investment Bldg., S. F. Owners, St. Peter's and St. Paul's Parish. Location, Filbert street. Preliminary plans only prepared.

CHURCH ALTERATIONS—Stone, \$10,000. Honolulu, T. I. Architects, C. W. Dickey and John J. Donovan, Perry Bldg., Oakland. Owner's name not given. Work will consist of the addition of balconies and new interior trim. Plans being prepared.

LIGHT HOUSE AND FOG STATION—hollow tile construction, \$60,000 to \$70,000. Point Vincente, Cal. Architect, Light House Service, District 18, Custom House Bldg., S. F. Owners, United States Government. Will consist of a light house, fog station, storage building, shop and three dwellings. Plans will not be ready for figures before January next.

IRRIGATION WORK.—Not stated. Montrose, Colo. Engineers, United States Reclamation Service, Montrose, Colo. Owners, United States Government. Bids will be received at the office of the Reclamation Service up to September 15th for constructing Ironstone Canal extension, California Mesa Lateral No. 3 and the Buttermilk Lateral, Uncompahgre Project, Colorado.

HETCH-HETCHY PROJECT.—Cost not stated. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. The San Francisco Board of Public Works has approved plans and specifications for Hetch-Hetchy switchboards and transformers, and bids have been ordered received up to September 14th for the transformers and to September 15th for switchboards.

OFFICES.—1 story and base, reinforced concrete, \$75,000. San Francisco. Architect, G. Albert Linsburgh, 709 Mission street, S. F. Owner, Dr. Abrams. Location, southeast Leavenworth and Sutter streets. Will be arranged for physicians' offices with living apartments in connection. Plans complete and bids being taken.

SCHOOLS.—2 story convent and 3 story school, frame, \$47,505. San Francisco. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. John's Parish. Contractor, William M. Reed, 157 Bronte street, S. F. Contract price, \$47,505.

RESIDENCE ADDITION.—2 story, frame, \$5,000. San Francisco. Architect, Frederick H. Meyer, Bankers Investment Bldg., S. F. Owner, Bertha L. Welche. Location, southeast Divisadero and Broadway. Plans complete and work to be done by Day Labor.

RESIDENCES.—3, 2 story and base, frame, \$3,500 each. San Francisco. Architect, none. Owner, F. Nelson, 2407 Lincoln way, S. F. Location, West 28th avenue, south of Lincoln way. Each dwelling will contain six rooms, bath and garage. Plans complete and work to be done by Day Labor.

RESIDENCE.—2, 1 story and base, frame, \$4,000 each. San Francisco. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Improvement Co. Location, Urbano Drive, west of Victoria. Each house will contain eight rooms, two baths and separate garage. Plans complete and work to be done by Day Labor.

RESIDENCES.—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, F. Hubert, Rooms, 2125 Shattuck avenue, Berkeley. Owners, Bay View Construction Co., 2148 Third street, S. F. Location, West Pennsylvania, south of 3rd. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE.—2, 1 story and base, frame, \$10,000. San Francisco. Architect, Henry H. Gutierrez, 278 Post street, S. F. Owner, A. B. Loss. Location, Forest Hill. Will contain eight rooms, two baths and bathroom at rear. Plans complete and work to be done by Day Labor.

RESIDENCE.—2 story and base, frame, \$2,600. San Francisco. Architect, none. Owners, Costello and Co., 264 San Carlos avenue, S. F. Location, West 22d avenue, south of Ave. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

Contracts Awarded.

STREET IMPROVEMENTS. Cost as follows. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contracts have been awarded as follows by the Board of Public Works:

The improvement of Silliman street between Girard and Berlin streets, by the construction of concrete curbs, artificial stone sidewalks of the full official width and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to D. L. Binfield, Phelan Bldg., S. F., for \$2,364.

The improvement of Mono street, between Caselli avenue and Eagle street by the construction of a 12-inch vitrified, slat-glazed, ironstone pipe sewer with 12 V branches and 2 brick manholes, a vitrified brick pavement on the roadway thereof. Awarded to T. Gallagher for \$990.70.

The improvement of De Haro street between 19th and 20th streets, by grading, construction of a 12-inch vitrified slat-glazed, ironstone pipe sewer with 29 V branches and 2 brick manholes. Awarded to J. P. Holland, 550 Third street, for \$8,872.50.

HOSPITAL.—2 story and base. Class a construction, \$25,000. San Francisco. Architect, Alfred I. Coffey, Humboldt Bank Bldg., S. F. Owners, St. Francis Hospital. Contractors, Higginson Co., Humboldt Bank Bldg. Contract price, \$25,000.

STORES AND LOFTS.—2 story and base. Class C construction, \$35,000. San Francisco. Architect, Clarence A. Tantau, Clunie Bldg., S. F. Owner, Dr. George B. Somer. Contractors, Larsen & Sampson, Crocker Bldg., S. F. Contract price, \$35,000.

BOARD OF PUBLIC WORKS OPENS BIDS AND AWARD CONTRACTS.

The San Francisco Board of Public Works opened bids for submarine cables for the Third Street bridge and for wood paving blocks. The following bids were received:

Cables for Third Street Bridge.
L. Flatland \$7,260
Buete Eng and Electric Co. 3,874
H. S. Little 5,271

Wood Paving Blocks.
Pacific Paving Co., \$112.25 per M.
A contract was awarded to the California Brick Co. for furnishing paving brick on their bid of \$33 per M.

Building Contracts Awarded SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2429	Watterstein	Sokolov	400
2430	Dippel	Haulen	125
2431	Plagemann	Plagemann	400
2432	Bergers	Del Forno	950
2433	O'Connor	Beyer	650
2434	Oxnard	Pezel	875
2435	Schubert	King	850
2436	Topham	Kednall	800
2437	Grannick	Peironi	800
2438	Wood	Thorup	750
2439	Donovan	Donovan	1250
2440	Le Clair	Le Clair	2000
2441	Johnson	Johnson	2500
2442	Deyveto	Segale	7000
2443	Lawrence	Bradley	1395
2444	DeBianco	Anderson	238
2445	O'Connor	Mansueti	2000
2446	Cassassa	Ghezzi	3160
2447	Bk of Italy	Williams	8545
2448	Bubbero	Johnson	17809
2449	Whitney	Abbach	2000
2450	Frasher	Frasher	400

2451	Rose	Duthie	400
2452	Robertson	Robertson	400
2453	Heskins	Heskins	500
2454	Hymann	Cal. Art Metal	425
2455	Walker	Disston	450
2456	Kohan	Sezhieri	400
2457	Esser	McCooy	400
2458	Furnell	Furnell	800
2459	Kidd	Coburn	1000
2460	Celentano	Celentano	750
2461	Stackmann	O	475
2462	Borned	Musto	150
2463	Avansino	Avansino	500
2464	Heine	Brumfield	400
2465	Remedial Loan	Cal. Art Mtl	235
2466	Remedial Loan	Healing	400
2467	Remedial Loan	Elec Con	65
2468	Gray	McKay	2848
2469	3rd St Imp	Duthrie	500
2470	Mathewson	Brumfield	500
2471	Hanson	Hanson	600
2472	St. Francis	Novelty	500
2473	Mathewson	Novelty	400
2474	Testa	Novelty	500
2475	Sylvia	Perry	3500
2476	Lupori	Demarta	925
2477	Stewart	Wallen	1300
2478	Allee	Habenicht	2229
2479	Allee	Hillard	1240
2480	Allee	Percy	2312
2481	Lathan	Lathan	1600
2482	Urban Rlty	Urban	1000
2483	Urban Rlty	Urban	1000
2484	Keenan	Keenan	5000
2485	Keenan	Keenan	5000
2486	Nelson	Nelson	2500
2487	Nelson	Nelson	2500
2488	Nelson	Nelson	2500
2489	Welche	Welche	5000
2490	Westfall	Schmidt	900
2491	Rippe	Mitchell	900
2492	Deyvito	Verner	400
2493	Loeb	Franzen	400
2494	Mosbacher	Mosbacher	2000
2495	Hamill	Hamill	400
2496	Davis	Marsden	1150
2497	Bay View	Owner	1400
2498	Bay View	Owner	1400
2499	Bay View	Owner	1000
2500	Bay View	Owner	1200
2501	Robson	McElhinney	400
2502	Loeb	Franzen	500
2503	Ralph	Ralph	1000
2504	Magee	Ward	500
2505	Umbson	Swenson	500
2506	Caroline	Maisler	400
2507	Knowlcock	Stone	400
2508	Knowe	Stone	400
2509	Costello	Feerick	2000
2510	Gerdes	Schell	11951
2511	Payne	Smyth	3800
2512	Long Mow	Green	2975
2513	Int'l Harvester	Rench	2568

ALTERATIONS

(2129) SE STUTTER AND SCOTT. Alter store front.
Owner.....Frank Watterstein, 2291 Sutter, San Francisco.
Architect.....None.
Contractor.....J. Sokolov, 2558 Clay, San Francisco.
COST, \$400

ALTERATION

(2120) NO. 516 RAIL ROAD AVE. Alter shop and residence.
Owner.....John Dippel, Premises.
Architect.....None.
Contractor.....Frank Hanlon, 1007 Mendell, San Francisco.
COST, \$425

ALTERATIONS

(2431) E POWELL 100 N Ellis. Erect mezzanine floor.
Owner.....Fred P. Plagemann, Golden West Hotel, S. F.
Architect.....None.
Day's work.....COST, \$400

ADDITION

(2432) N FULTON 115 W Webster. Add to flats.
Owner.....F. Bergers, 832 Fulton, San Francisco.
Architect.....None.
Contractor.....Del Forno & Rogers, 1839 Mason, San Francisco.
COST, \$950

Contractors all over the country are moving more material in less time and at a smaller expense with
FOUR WHEEL DRIVE TRUCKS
than with any other method of transportation.

Consider what power on all four wheels would mean for you in your business.

Large Contractors and corporations the world over are finding that power on all four wheels results definitely and decisively in:--

100 per cent saving in cost of tires.

Greater durability to every wearing part.

Allows equal distribution of load, thus

Eliminating undue strain on any one part.

Enormous saving in cost of up-keep.

More mileage per gallon of gasoline and oil.

DEPENDABLE SERVICE - no idle days waiting for repairs.

Remember that every F. W. D. Truck built in the past seven years is working to-day, and they are performing harder and more persistent service at a given cost than any other truck built to-day.

You owe it to yourself to investigate the F. W. D. truck.

Four Wheel Drive Truck Co.

Telephone Market 334

343 Colden Gate Ave.

San Francisco

**Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City**

ALTERATION

(2433) NO. 9 MORSE. Alter and add to dwelling.

Owner.....Clara Achstetter, 45 Cordova, San Francisco.
Architect...None.
Contractor...C. D. Bevier, 60 Cordova, San Francisco.

COST, \$650

ELEVATOR SHAFT

(2431) NO. 2104 BROADWAY. Erect elevator shaft.

Owner.....R. Oxnard.
Architect...J. R. Miller, Lick Bldg., San Francisco.
Contractor...Frank Pegel, 366 10th Ave., San Francisco.

COST, \$875

CONCRETE WALL ETC.

(2435) NO. 2253 MARKET. Concrete wall and floor.

Owner.....A. Schubert, Premises.
Architect...None.
Contractor...W. S. King, 224 Haight, San Francisco.

COST, \$850

ALTERATIONS

(2436) NO. 2736 FILBERT. Alter and add to dwelling.

Owner.....Dr. Edw. Topham, 126 Stockton, San Francisco.
Architect...None.
Contractor...W. W. Rednall, 2500 Filbert, San Francisco.

COST, \$600

ALTERATIONS

(2437) NO. 2112 MASON. Raise and alter front.

Owner.....A. Grannini, — Mason, S. F.
Architect...None.
Contractor...G. Ferroni, 1723 Chestnut, San Francisco.

COST, \$800

ALTERATIONS

(2438) SE DRUMM AND MERCHANT. Alter plumbing, electric work and carpenter work in office.

Owner.....S. A. Wood, 3232 Pacific Ave., San Francisco.
Architect...None.
Contractor...J. H. Thorup, — 26th Ave., San Francisco.

COST, \$750

ALTERATIONS

(2439) NO. 306½ SUTOWELL. Raise and alter dwelling.

Owner.....Mary Donovan, Premises.
Architect...None.
Day's work.....

COST, \$1250

FRAME DWELLING

(2440) N TWENTYETH 280 W Church. Two-story and basement frame dwlg.

Owner.....Miss Florence Le Clair, 519 Capp, San Francisco.
Architect...None.
Day's work.....

COST, \$2000

FRAME DWELLING

(2441) W TWENTYETH AVE 350 S Geary. Two-story and basement frame dwelling.

Owner.....Alfred Johnson, 133 21th Ave., San Francisco.
Architect...None.
Day's work.....

COST, \$2550

FRAME FLATS

(2442) N VALLEJO 25 E Leavenworth E 25xN 109-6. All work except mantels, shades, lighting fixtures, finished hardware, mirrors and art

glass for three-story and basement frame flats.

Owner.....Amelia and Arthur Devoto 744 Broadway (rear), S. F.
Architect...Paul F. De Martini, 2123 Powell, San Francisco.

Contractor...F. De Martini & L. Segale, 274 29th, San Francisco.

Filed Aug. 19, '16. Dated Aug. 11, '16.
Frame up\$1750
Brown coated 1750
Completed and accepted 1750
Usual 35 days..... 1750

TOTAL COST, \$7000

Bond, none Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

LATHING, ETC.

(2413) S VALLEJO 35 E Broderick E 35xS 137-6. All work for lathing and plastering frame residence.

Owner.....C. M. Laurence.
Architect...G. A. Applegarth, Claus Spreckels Bldg., S. F.

Contractor...Bradley & O'Reilly, 180 Jessie, San Francisco.

Filed Aug. 19, '16. Dated Aug. 12, '16.
Payments not given.....

TOTAL COST, \$1395

Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

(2444) NO 1542 POLK. All work for alterations and additions to a store front.

Owner.....Nathan Delbanco, 2457 Scott, S. F.

Architect...Henry Shermund, Mills Bldg., S. F.

Contractor...Finn Andersen, 1914 15th, San Francisco.

Filed Aug. 21, '16. Dated Aug. 17, '16.
Entire amount when completed.....

TOTAL COST, \$398.50

Bond, Sureties. Forfeit, Limit, none. Plans and specifications filed.

RESIDENCE

(2445) W SANCHEZ 25 S 30th — 25 W 75 N 25 E 75. All work except grading for 1½ story frame residence.

Owner.....Joseph O'Connor.
Architect...None.

Contractor...Edward E. Manscan, 1278 35th avenue, S. F.

Filed Aug. 21, '16. Dated Aug. 3, '16.
Frame up\$650
Brown coated 650
Usual 35 days..... 650

TOTAL COST, \$2600

Bond, \$1200. Sureties, James J. Manscan. Forfeit, \$1. Limit, 90 days. Plans and specifications filed.

ALTERATIONS

(2446) NW FILBERT AND COLUMBUS avenue. W 61-1½ N 65-6½ SE 85-3¾. All work for alterations and additions to three-story and basement frame building.

Owner.....D. J. & A. Casassa, 749 Filbert, S. F.

Architect...P. Righetti, Phelan Bldg., San Francisco.

Contractor...G. Ghezzi, 82 Valparaiso, San Francisco.

Filed Aug. 21, '16. Dated Aug. 19, '16.
Enclosed and roofed over.....\$790
Brown coated 790
Completed and accepted 790
Usual 35 days..... 790

TOTAL COST, \$3160

Bond, \$1580. Sureties, F. Depaoli, Joseph A. Feorio. Forfeit, none. Limit, 45 days. Plans and specifications filed.

ANNEX

(2447) SE MONTGOMERY AND CLAY. All work for reinforced concrete annex to Bank of Italy.

Owner.....The Bank of Italy, corner Montgomery and Clay, S. F.
Architect...W. D. Shea, 244 Kearny, San Francisco.

Contractor...Howard S. Williams, Hearst Bldg., S. F.

Filed Aug. 21, '16. Dated Aug. 16, '16.
First floor slab poured.....\$2135
Exterior walls finished and roof on 2135

Completed and accepted 2136
Usual 35 days 2136

TOTAL COST, \$8542

Bond, \$4271. Sureties, D. B. McDonald and E. S. Mulford. Forfeit, none. Limit, October 1, 1916. Plans and specifications filed.

(2448) S PACIFIC 165 E BAKER E 27-6x S 127-8¼. All work for two-story, basement, sub-basement and attic frame (2 flats).

Owner.....David Bibhero, 2961 Pacific avenue, S. F.

Architect...Bernard J. Joseph, New Call Bldg., S. F.

Contractor...J. Harold Johnson, 507 15th avenue, S. F.

Filed Aug. 21, '16. Dated Aug. 17, '16.
Steel girders set and frame up and sheathed\$1500
Rustic on, roof sheathed and on window frames set, interior ready for lathing..... 2000

Lath and plaster completed, sash glazed and hung..... 2500

Floors laid, brick and terra cotta tile work completed..... 3500

Completed and accepted 3500
Usual 35 days 4460

TOTAL COST, \$17,809

Bond, \$8,910. Sureties, H. A. Norman and I. Friedman. Forfeit, \$10. Limit, 120 days from recording. Plans and specifications filed.

ALTERATIONS

(2449) E NINTH AVE 82-6 S Cabrillo S 25xE 126. All work except plumbing, electric work, painting and ornamental iron work for alterations to one-story frame cottage.

Owner.....Thomas Conway, 921 9th avenue, S. F.

Architect...H. E. Harris, Monadnock Bldg., S. F.

Contractor...A. Ahlback, 107 Collingwood avenue, S. F.

Filed Aug. 21, '16. Dated Aug. 14, '16.
Building moved, underpinned and roof boards on\$375
Enclosed and roof on 375

Plastered and brick work completed 375

Completed 375
Usual 35 days 500

TOTAL COST, \$2000

Bond, \$1000. Sureties, W. J. Albach and L. J. McKanning. Forfeit, \$3. Limit, 90 days. Plans and specifications filed.

ADDITION

(2450) NO 92 COLLEGE AVE. Raise and add to dwelling.

Owner.....Mrs. Frasher, Premises.
Architect...None.

Day's work.....

COST, \$400

PLASTER FRONT

(2451) NO. 2124 HYDE. Remove and replace plaster front.

Owner.....H. E. Rose, Premises.

Architect....W. G. Hind, 46 Kearny,
San Francisco.
Contractor...C. Duthie.
COST, \$400

ADDITION
(2452) NO 1133 GREENWICH. Add
sun room to dwelling.
Owner.....Dr. Robertson, Premises.
Architect....T. P. ROSS, 310 California,
San Francisco.
Day's work. COST, \$100

STORE FRONT
(2453) S MARKET between 3rd and
4th. New store front.
Owner.....B. Heskins (Tenant), 3rd
and Natoma, S. F.
Architect....Helman & Schwartz, Ne-
vada Bank Bldg., S. F.
Day's work. COST, \$500

ALTERATIONS
(2454) W STOCKTON 100 N O'Farrell.
Alter store front.
Owner.....Hyman Estate.
Architect....H. H. Meyers, Kohl Bldg.,
San Francisco.
Contractor...California Artistic Metal &
Wire Co., 349 7th, S. F.
COST, \$425

REPAIRS
(2155) NO. 612-16 CLEMENT. Repairs in
store.
Owner.....Nellie E. Walker, 2243
Steiner, S. F.
Architect....None.
Contractor...A. E. Disston, 721 Cle-
ment, S. F.
COST, \$150

FLOOR
(2456) SW ANNA LANE AND ELLIS.
Concrete and wood floor.
Owner....Estate of I. Kohan, Prem-
ises.
Architect....None.
Contractor...A. Seghieri Bros., Inc., 35
Cook, S. F.
COST, \$100

FOUNDATION
(2457) NO. 2567 MISSION. Concrete
floor and foundation.
Owner.....Wm. Esser, 672 Capp, S. F.
Architect....None.
Contractor...H. E. McCoy, 341 Capp,
San Francisco.
COST, \$100

DWELLING
(2458) E MADISON 25 N Fulton. One-
story and basement frame dwelling.
Owner.....P. Furnell, 248 Madison, San
Francisco.
Architect....None.
Day's work. COST, \$800

REPAIRS
(2459) NW CHERRY and Sacramen-
to. Repair fire damage to dwelling.
Owner.....Mrs. T. Kidd, Premises.
Architect....A. H. Jacobs, French Bank
Bldg., S. F.
Contractor...Ira W. Coburn, 180 Jessie,
San Francisco.
COST, \$1000

DWELLING
(2460) NW SICKLES and tracks of
Ocean Shore Railroad. One-story
and basement frame dwelling.
Owner.....John Celentano, 5851 Mis-
sion, S. F.
Architect....None.
Day's work. COST, \$750

ALTERATIONS
(2461) NO. 913-15 HAIGHT. Minor
changes to dwelling.
Owner.....Hugo Staackmann, 1391
Golden Gate, S. F.
Architect....None.
Day's work. COST, \$475

DWELLING
(2462) NO. 222 WEST CLAY. Minor
alterations for dwelling.
Owner.....Mr. Borneque, 830 Powell,
San Francisco.
Architect....None.
Contractor...George Healing, 3665 Sacra-
mento, S. F.
COST, \$400

ALTERATIONS
(2463) NO. 182 GEARY. Changes for
store.
Owner.....H. A. Avansino, Premises.
Architect....None.
Day's work. COST, \$500

ELECTRIC SIGN
(2464) NO. 37 STOCKTON. Electric
sign.
Owner.....Heine Piano Co., Premises.
Architect....None.
Contractor...Brumfield Electric Sign
Co., 18 7th, S. F.
COST, \$100

ORNAMENTAL METAL
(2465) NW MINT AND MISSION. Orna-
mental metal for two-story and
basement reinforced concrete office
building.
Owner.....Remedial Loan Associa-
tion, 43 5th, S. F.
Construction Manager, Frederick Whit-
ten, 251 Kearny, S. F.
Contractor...California Artistic Metal
and Wire Co., 365 7th, San
Francisco.

Filed Aug. 22, '16. Dated Aug. 11, '16.
Monthly as work progresses of...75%
Usual 35 days25%
TOTAL COST, \$235

Bond, \$1200. Surety, National Surety
Co. Forfeit, \$20. Limit, 30 days from
Sept. 11, 1916. Plans and specifications
filed

(2466) MARBLE FLOOR TILE on
above.
Contractor...Joseph Musto Sons-Kear-
nan Co., 563 North Point,
San Francisco.
Filed Aug. 22, '16. Dated Aug. 10, '16.
Same as above.

TOTAL COST, \$1567
Bond, \$753. Sureties, Marie and Marie
Adam Musto. Forfeit, \$10. Limit, 30
days from September 15, 1916. Plans
and specifications filed.

(2467) ELECTRIC WIRING on above.
Contractor...Electrical Construction Co
312 12th, Oakland.
Filed Aug. 22, '16. Dated Aug. 2, '16.
Same as above.
TOTAL COST, \$658
Bond, \$329. Sureties, Fidelity and De-
posit Co. of Maryland. Forfeit, \$5.
Limit, 75 days from August 3, 1916.
Plans and specifications filed.

DWELLING
(2468) W TWENTY-FOURTH AVE —
N California, N 25xW 120. All work
for 2-story and basement frame
dwelling.
Owner.....John Gray, 2252 Clement,
San Francisco
Architect....None.

Contractor...Fred O. McKay, 438 24th
avenue, S. F.
Filed Aug. 22, '16. Dated Aug. 19, '16.
Frame completed\$712
Brown coated on interior 712
Accepted 712
25 days 712

TOTAL COST, \$2848
Bond, Sureties, Forfeit, none. Limit,
30 days. No plans or specifications
filed.

CEMENT FRONT
(2469) NE CALIFORNIA AND HYDE.
New cement front.
Owner.....Third Street Improvement
Co., Nevada Bank Bldg.
San Francisco.
Architect....None.
Contractor...Chas. Duthrie, 110 Jessie,
San Francisco.
COST, \$500

ELECTRIC SIGN
(2470) NO. 1600 VAN NESS. Electric
signs.
Owner.....Mathewson Motor Com-
pany, Premises.
Architect....None.
Contractor...Brumfield Electric Sign
Co., 18 7th, S. F.
COST, \$400

ALTERATIONS
(2471) NO. 2424 MISSION. Change
store fronts.
Owner.....Ida H. Hanson, Premises.
Architect....None.
Day's work. COST, \$600

ELECTRIC SIGN
(2472) S GEARY 200 W Powell. Elec-
trick sign.
Owner.....Theatre St. Francis, Prem-
ises.
Architect....None.
Contractor...Novelty Electric Sign Co.,
165 Eddy, S. F.
COST, \$500

ELECTRIC SIGN
(2473) CALIFORNIA AND VAN NESS.
Electric sign.
Owner.....Mathewson Motor Com-
pany, Premises.
Architect....None.
Contractor...Novelty Electric Sign Co.,
165 Eddy, S. F.
COST, \$400

ELECTRIC SIGN
(2474) NO. 277 COLUMBUS. Electric
sign.
Owner.....Testa Cigar Co., Premises.
Architect....None.
Contractor...Novelty Electric Sign Co.,
165 Eddy, S. F.
COST, \$500

FLATS
(2475) W TWENTY-THIRD AVE 100
S Anza. Two-story and basement
frame (2) flats (25x50).
Owner.....A. M. Sylvia, 371 50th ave-
nue, S. F.
Architect....None.
Contractor...F. K. Perry, Clement and
23rd avenue, S. F.
COST, \$3500

PAINTING, ETC.
(2476) S VALLEJO 137-6 W Hyde,
27-6x137-6. Painting, decorating and
paper hanging for three-story and
basement frame flats.
Owner.....E. Lupori, 1952 Larkin,
San Francisco.

Architect...Italo Zanon, 604 Montgomery, S. F.
Contractor...Demaria Painting Co, 6 Imperial Ave., S. F.

Filed Aug. 22, '16. Dated Aug. 21, '16.
Printing done\$231.25
Three coats applied and ceilings tinted 231.25
Completed and accepted 231.25
Usual 35 days 231.25
TOTAL COST, \$925

Bond, \$500. Sureties, G. Polati and F. P. Galli. Forfeit, \$10. Limit, 24 days after notification. No Plans or specifications filed.

ALTERATIONS

(2477) W MISSOURI 150 S 19th, 25x 100. Alterations and additions to residence to be moved from E Missouri, known as No. 455 to W Missouri, 150 S 19th.

Owner.....James Stewart, 455 Missouri, S. F.
Architect.....H. C. Baumann, Hearst Bldg., S. F.

Contractor...A. M. Wallen, 251 Kearny, San Francisco.

Filed Aug. 22, '16. Dated Aug. 17, '16.
Concrete foundation in place....\$325
Moved in place and underpinned 325
Completed and accepted 325
Usual 35 days 325
TOTAL COST, \$1300

Bond, \$3000. Sureties, N. H. Pearson, P. J. Carney. Forfeit, none. Limit, 20 days from August 21. Plans and specifications filed.

GLASS AND GLAZING

(2478) W FOLSOM 198 S 17th S 150x W 122-6. Glass and glazing for a two-story reinforced concrete dyeing and cleaning works.

Owner.....Jean Allee, 2148 Folsom, San Francisco.

Architect...August G. Headman, Call Bldg., S. F.

Contractor...Habicht & Howlett (a cpts) 525 Clay, S. F.

Filed Aug. 23, '16. Dated Aug. 11, '16.
When delivered, installed and accepted\$1671.75
Usual 35 days 557.25
TOTAL COST, \$2229

Bond, \$1120. Sureties, New Amsterdam Casualty Co. Forfeit, \$20. Limit, no delay. Plans and specifications filed.

(2474) ORNAMENTAL AND MISCELLANEOUS iron on above.

Contractor...C. J. Hillard Co, 19th and Minnesota, S. F.

Filed Aug. 23, '16. Dated Aug. 17, '16.

On 1st of each month 75%
Usual 35 days 25%
TOTAL COST, \$1240

Bond, \$620. Sureties, Guardian Casualty and Guaranty Co. Forfeit, \$20. Limit, without delay. Plans and specifications filed.

(2480) SHEET METAL WORK AND installation of same on above.

Contractor...Percy Sheet Metal Works, 340 Guerrero, S. F.

Filed Aug. 23, '16. Dated Aug. 17, '16.

Payments same as above.

TOTAL COST, \$2313

Bond, \$1157. Sureties, Hartford Accident and Indemnity Co. Forfeit, \$20. Limit, without delay. Plans and specifications filed.

COTTAGE

(2481) N CUMBERLAND 180 W Sanchez. All work for a four-room cottage.

Owner.....Walter W. Latham and Mary E. Latham.

Architect...None.

Contractor...Adolph Osnas, 338 Cumberland, S. F.

Filed Aug. 23, '16. Dated Aug. 10, '16.
Frame up\$400
Rough plastered 400
When completed 400
Usual 35 days 400
TOTAL COST, \$1600

Bond, Sureties, Forfeit, Limit, none. Plans and specifications filed.

RESIDENCE

(2482) E URBANO DRIVE 300 S Pico. Two-story and basement frame residence.

Owner.....Urban Realty Improvement Co, 85 Cerritos avenue, S. F.

Architect...Jos. A. Leonard, 85 Cerritos avenue, S. F.

Day's work COST, \$1000

RESIDENCE

(2483) N URBANO DRIVE 170 W Victoria. Two-story and basement frame residence.

Owner.....Urban Realty Improvement Co, 85 Cerritos avenue, S. F.

Architect...Jos. A. Leonard, 85 Cerritos avenue, S. F.

Day's work COST, \$1000

FLATS

(2484) S FULTON 181-3 W Masonic. Two-story and basement frame flats.

Owner.....W. J. Keenan, 2 Atayla Terrace, S. F.

Architect...None.

Day's work COST, \$5000

FLATS

(2485) S FULTON 156-6 W Masonic. Two-story and basement frame flats.

Owner.....W. J. Keenan, 2 Atayla Terrace, S. F.

Architect...None.

Day's work COST, \$5000

DWELLING

(2486) W TWENTY-EIGHTH AVE. 235 S Lincoln Way. Two-story and basement frame dwelling.

Owner.....F. Nelson, 2701 Lincoln Way, S. F.

Architect...None.

Day's work COST, \$2500

DWELLING

(2487) E TWENTY-EIGHTH AVE 235 S Lincoln Way. Two-story and basement frame dwelling.

Owner.....F. Nelson, 2701 Lincoln Way, S. F.

Architect...None.

Day's work COST, \$2500

DWELLING

(2488) W TWENTY-EIGHTH AVE. 192 N Irving. Two-story and basement frame dwelling.

Owner.....F. Nelson, 2701 Lincoln Way, S. F.

Architect...None.

Day's work COST, \$2500

ADDITION

(2489) SW DIVISADERO and Broadway. Add to rooms to residence.

Owner.....Bertha L. Welche, Prem.

Architect...Frederick H. Meyer, Bankers' Investment Bldg., S. F.

Day's work COST, \$5000

FOUNDATION

(2490) NO. 1654 TAYLOR. Brick foundation, etc.

Owner.....Mrs. J. S. Westfall, Prem.

Architect...None.

Contractor...L. Schmidt, 448 Jessie, San Francisco.

COST, \$900

ALTERATIONS

(2491) NW TWENTY-FOURTH AND Potrero. Alter store fronts.

Owner.....J. H. Rippe, SE Bryant and 24th, S. F.

Architect...None.

Contractor...Thomas F. Mitchell, 1370 Utah, S. F.

COST, \$900

UNDERPIN, ETC.

(2492) E TWENTY-THIRD AVE, 225 S Geary. Underpin cottage foundation, etc.

Owner.....Miss Devitt, 5441 Geary, San Francisco.

Architect...None.

Contractor...J. H. Verner, 1921 23rd, San Francisco.

COST, \$400

ALTERATIONS

(2493) NO 2325 FOLSOM. Minor alterations for flats.

Owner.....Frank A. Losh, 982 Monadnock Bldg., S. F.

Architect...None.

Contractor...Swenson & Franzen, 145 Natoma, S. F.

COST, \$400

ALTERATIONS

(2494) NOS. 731-733 FELL. Alter two-story frame flats into apartments, work to include plumbing, electric work, plastering, painting, etc.

Owner.....J. Mosbacher et al, 731 Fell street, S. F.

Architect...Helman & Schwartz, 1201 Nevada Bank Bldg., S. F.

Day's work COST, \$2000

FLATS

(2495) S CLEMENT 107-6 E 17th avenue. Two-story and basement frame flats.

Owner.....Thos. Hamill, 5533 Geary, San Francisco.

Architect...None.

Day's work COST, \$4000

REPAIRS

(2496) NO 27 CARL. Repair dwelling.

Owner.....Mrs. R. V. Davis.

Designer...J. Alston Davis.

Contractor...J. W. Marsden, 1452 Haight, S. F.

Filed Aug. 24, '16. Dated Aug. 8, '16.

Rough work in\$387

Brown coated 288

Completed 287

Usual 35 days 283
TOTAL COST, \$1150

Bond, Sureties, Forfeit, none. Limit, 35 days. Specifications only filed.

DWELLING

(2497) W PENNSYLVANIA 150 S 23rd. Two-story and basement frame dwelling.

Owner.....Bay View Construction Co, 2443 3rd, S. F.

Architect...F. Holberg Rehnors, 2125 Shattuck avenue, Berkeley.

Day's work COST, \$1400

DWELLING

(2498) W PENNSYLVANIA 175 S 23rd. Two-story and basement frame dwelling.

Owner.....Bay View Construction Co.,
2448 3rd, S. F.
Architect....F. Holberg Reimers, 2125
Shattuck avenue, Berkeley
Day's work. COST, \$1400

DWELLING
(2499) S CARROLL 125 W Jennings.
One-story and basement frame dwlg
Owner.....Bay View Construction Co.,
2448 3rd, S. F.
Architect....F. Holberg Reimers, 2125
Shattuck avenue, Berkeley
Day's work. COST, \$1000

DWELLING
(2500) S CARROLL 150 W Jennings.
One-story and basement frame dwlg
Owner.....Bay View Construction Co.,
2448 3rd, S. F.
Architect....F. Holberg Reimers, 2125
Shattuck avenue, Berkeley
Day's work. COST, \$1200

TILE FLOOR
(2501) NO. 212 STOCKTON. Tile floor
Owner.....Robson & Sattler, Colson
Bldg., S. F.
Architect....None.
Contractor...G. McElhinney, 1097 Mis-
sion, S. F.
COST, \$400

ADDITION
(2502) NO. 171 SAN CARLOS. Add to
laundry.
Owner.....A. Seiler, 4038 California,
San Francisco.
Architect....None.
Contractor...J. Spargo, 240 Montgom-
ery, S. F.
COST, \$500

COTTAGE
(2503) NO. 377 HILL. One-story
frame cottage.
Owner.....Mrs. E. L. Ralph, Premises.
Architect....None.
Day's work. COST, \$1000

REPAIRS
(2504) NO. 714 MARKET. Repair fire
damage.
Owner.....Thomas Magee & Sons, 5
Montgomery, S. F.
Architect....None.
Contractor...Ward & Goodwin, 110 Jes-
sie, S. F.
COST, \$500

ALTERATIONS
(2505) NO. 713 BRANNAN. Alteration
for junk shop.
Owner.....G. H. Umben & Co., 20
Montgomery, S. F.
Architect....None.
Contractor...Swensen & Franzen, 145
Natoma, S. F.
COST, \$500

SHED
(2506) NO 3236 SEVENTEENTH ST
One-story frame shed.
Owner.....J. C. Carbarino,
Architect....None.
Contractor...Ben Maisler, 777 Ellis, San
Francisco.
COST, \$400

CONCRETE FOUNDATION
(2507) E CAROLINA 239 S 20th. Con-
crete foundation and floor.
Owner.....Chas. Knowblock, 18th and
3rd, S. F.
Architect....None.
Contractor...E. W. Stone, 32 Eagle, S. F.
COST, \$400

UNDERPIN
(2508) W MISSOURI 200 S 18th. Un-
derpin, etc., for dwelling.
Owner.....Gus Knowe, 250 Missouri
Architect....None.
Contractor...E. W. Stone, 32 Eagle, S. F.
COST, \$400

RESIDENCE
(2509) W TWENTY-SECOND AVE 175
S Anza. Two-story and basement
frame residence.
Owner.....Costello & Feerick, 204 San
Carlos, S. F.
Architect....None.
Day's work. COST, \$2000

STORE AND FLATS
(2510) E MISSION 180 N 19th N 30xE
12-6. All work except electric work,
heating, wall beds, light fixtures,
window shades and finish hardware
for three-story frame store and flats
Owner.....Mrs. Bertha Klotz Gerdes,
Gdn Est Elizabeth Gerdes,
minor, 866 Capp, S.
Architect....C. O. Clausen, Hearst
Bldg., S. F.
Contractor...Samuel Schell, 1347 5th
avenue, S. F.
Filed Aug. 25, '16. Dated Aug. 23, '16.
Frame up\$2341
Brown Coated2241
White coated, sashes glazed and
standing finish on2241
Completed and accepted2241
Usual 35 days3000
TOTAL COST, \$11,964
Bond, \$6,000. Sureties, Justus Pro-
f, Frederick O. Biermann. Forfeit, \$5.
Limit, 120 days from date of permit.
Plans and specifications filed.

LATHING AND PLASTERING
(2511) S BUSH 166 E Jones. Lathing
and plastering for six story and base-
ment class "C" brick apartments.
Owner.....Clyde S. Payne, 45 Kear-
ny, S. F., by Fidelity Con-
struction Co.
Architect....W. G. Hind, 46 Kearny,
San Francisco.
Contractor...Smyth Bros.
Filed Aug. 25, '16. Dated June 28, '16.
Brown coated50%
Completed25%
Usual 35 days25%
TOTAL COST, \$3800
Bond, \$1900. Sureties, W. J. Headley.
Forfeit, none. Limit 16 days after no-
tification. Plans and specifications
filed.

LAUNDRY
(2512) E RITCH 75 N Harrison N 25x
E 80. All work of removal of pres-
ent building and erection of two-
story frame laundry building.
Owner.....Fong Mow and Fong Sney.
Architect....A. Reinhold Denke, Ne-
vada Bank Bldg., S. F.
Contractor...W. E. Greene.
Filed Aug. 25, '16. Dated Aug. 25, '16
Foundation completed557
Rough frame completed557
Enclosed, roof on and 1st coat
plaster completed560
Completed and accepted566
Usual 35 days744
TOTAL COST, \$2975
Bond, \$1488. Sureties, J. H. McCallum
and E. O. Benner. Forfeit, none. Limit,
50 days. Plans and specifications filed.

INSTALLING OFFICES
(2513) POTRERO AVE and 15th St.
All work for installing offices in 2nd
floor of building.

Owner.....International Harvester
Co. of America, Monadnock
Bldg., S. F.
Architect....None.
Contractor...M. C. Rench, 1427 5th ave-
nue, S. F.
Filed Aug. 25, '16. Dated Aug. 24, '16.
As work progresses of75%
Usual 35 days25%
TOTAL COST, \$2568
Bond, \$1,290. Sureties, Amelcan
Surety Co. Forfeit, \$5. Limit, 30 days
from filing. Plans and specifications
filed.

INCORPORATIONS.

The Roman Paint Co. Capital Stock,
\$50,000; subscribed, \$600; shares, \$100
each. Directors—C. Roman, W. D.
Bates, J. F. Michael, F. W. McAuliffe,
J. B. White, A. Carlisle, 1 share each.
Place of business, San Francisco.
Harr Wagner Publishing Co. Capital
Stock, \$2000; subscribed, \$5; shares,
\$1 each. Directors—H. Wagner, G.
Beuney, E. E. Owens, F. D. Brandon, J.
A. Bond, 1 share each. Place of busi-
ness, San Francisco.
Alameda Park Co. Capital Stock,
\$100,000; subscribed, \$7; shares, \$10
each. Directors—A. Freese, P. Peter-
sen, M. H. Owens, W. Edwards, A. T.
Seppine, O. B. Oas, K. Barton, 1 share
each. Place of business, S. F.
Mowry Drayage Co. Capital stock,
\$5,000; subscribed, \$300; shares, \$100
each. Directors—C. A. Mowry, C. D.
Sheldon, E. Melville, 1 share each.
Place of business, San Francisco.
Pontiac Investment Co. Capital
stock, \$10,000; subscribed, \$30; shares,
\$10 each. Directors—N. E. McDermott,
B. M. Power, A. B. Doolin, 1 share
each. Place of business, San Francisco.

LEASE.

Aug. 21, 1916—SE KEARNY and Broad-
way. Albertine Davis to Chaffredo
Abello 5 years. \$18,600.
Aug. 18, 1916—E EDGEWOOD AVE,
66-3 m or 1 Belmont avenue. Joseph
M. Litchfield to George L. Rodgers.
chase.
Aug. 21, 1916—NO. 4248 TWENTY-
THIRD, corner Eureka. Leavina
Shannon to Daniel O'Connor, \$900
with option to renew.
\$40 per month with option to pur-
Aug. 25, 1916—NO. 1044 KEARNY E
line between Broadway and Pacific.
Ysabel Girolt to M. S. Bacigalupi. 5
years, \$2,700.

NOTICE OF NON-RESPONSIBILITY.

Aug. 18, 1916—NW GEARY and Ma-
son. St. Francis Realty Co. as to
improvements on leased property.

COMPLETION NOTICES.

San Francisco

RECORDED	ACCEPTED
Aug. 18, 1916—W LARKIN 30 S Post S 40xV 95. Savings Union Bank & Turst Co to A P Brady.....Aug. 11, 1916	
Aug. 18, 1916—SE HAYES AND Oc- tavia E 62-6xS 120. Daniel M Moran to Geo P Butler and Ino Cunning- ham, Extrs Estate Thos Butler, J W Smith and Martin H Carrick.....	
Aug. 18, 1916—S MARKET & THIRD SW 125 SE 100 NE 50 NW 30 NE 75 NW 70. City Investment Co to	

Ralph McLeran and C H Peterson (McLeran & Peterson). Aug. 15, 1916
 Aug. 18, 1916—E UTAH 87-6 N 18th N 25x E 100. Jacob and wife Anna Cesar to W F Cook & Co. Aug. 18, 1916
 Aug. 19, 1916—W SIXTEENTH AVE 203-11 N Clement N 25xW 120. Lorenz II and Henrietta M Hanson to Thomas McCormick. Aug. 18, 1916
 Aug. 19, 1916—N EIGHTEENTH 55 E Lexington E 25xN 53. Geo A and Mary A Muller to Chester L Knight. Aug. 18, 1916
 Aug. 19, 1916—LOT 2 BLK 2840 Forest Hill Court. The Newell-Murdoch Realty Co to Higginson Co., Inc. Aug. 14, 1916
 Aug. 21, 1916—W ALDER ALLEY 244 S 21st, 32x117-6. Sarah Marks to E. K. Nelson. Aug. 21, 1916
 Aug. 21, 1916—NW SANSOME AND Bush NW 137-6 W 67-6 S 137-6 E 67-6. Standard Oil Co. by P. J. Walker, Agent, to Vitrolite Construction Co. Aug. 12, 1916
 Aug. 22, 1916—LOTS 12 AND 14 ON N Merced avenue, Forest Hill Extension. Ehrhart Construction Co. to J. J. Murray. Aug. 20, 1916
 Aug. 22, 1916—NO. 3806 CLAY. Dr. R. G. Broderick to L. N. Vezina. Aug. 3, 1916
 Aug. 22, 1916—W FIFTH AVE AND Mint NW 50xSW 75. Boyd Investment Co. to J. Harold Johnson. Aug. 21, 1916; Scott Company. Aug. 22, 1916
 Aug. 23, 1916—E COLE between Alma and Grattan No. 1116 Cole. Ray Roberts to J. W. Marsden. Aug. 23, 1916
 Aug. 23, 1916—SE FOURTH AND Brannan 137-6x275. John Bollman Company to Cramer Bros. Aug. 15, 1916
 Aug. 23, 1916—NW VIENNA 200 NE Italy avenue NE 25xNW 100. John and Camelia Russo to C. A. Jeffers. Aug. 19, 1916
 Aug. 24, 1916—NW BUSH AND Sansome N 137-6xW 67-6. Standard Oil Co. by P. J. Walker, agent, to H. Maundrell, Aug. 15, 1916; Standard Electric Construction Co. Aug. 15, 1917
 Aug. 24, 1916—NW SAN JOSE and Lakeview 25x100. W. R. Meredith to Emil F. Tomnitz. Aug. 23, 1916
 Aug. 24, 1916—NE REVERE AVE 137-6 NW Keith NW 37-6xNE 100. G. B. Finocchio to O. Swanson. Aug. 22, 1916
 Aug. 24, 1916—W HYDE 137-11 N Broadway N 19-7xW 70. Dolores Barry to E. S. Montgomery. Aug. 23, 1916
 Aug. 24, 1916—W SIXTEENTH AVE 175 S Balboa 25x120. Fred K. Perry to whom it may concern. Aug. 24, 1916
 Aug. 24, 1916—LOT 24, BLK 2975 Claremont Court. Alfred L. Meyerstein to C. E. McMullin and Von Voorhies. Aug. 5, 1916
 Aug. 24, 1916—E TWELFTH AVE 100 N Cabrillo N 25x E 120. David and Elizabeth G. Kron to Alton R. Lapham. Aug. 24, 1916
 Aug. 25, 1916—NE VALLEJO AND Jones E 137-6xN 137-6. Norman B. Livermore to Marcus Marcussen. Aug. 23, 1916
 Aug. 25, 1916—SE HAYES and Octavia E 62-6xS 120. Daniel M. Moran to H. L. Peterson. Aug. 22, 1916
 Aug. 25, 1916—NO. 1231 MARKET. James Otis, Trustee, to John B.

Dennis. Aug. 22, 1916
 Aug. 25, 1916—E TWELFTH AVE 150 N Fulton N 25x E 120. Bertha A. Gribble to Charles Schwarz. Aug. 25, 1916
 Aug. 25, 1916—SE CLEMENT and 40th avenue E 30xS 100. Pockman & Co. to whom it may concern. Aug. 25, 1916
 Aug. 25, 1916—NW EDDY and Pierce 30x75. Virginia Luvisi to John H. Merz. Aug. 25, 1916
 Aug. 26, 1916—PROPERTY IN BLK bounded by Market, Spear, Mission and Stewart. Southern Pacific Co. to D. J. Dolan Wrecking and Construction Co. Aug. 22, 1916
 Aug. 26, 1916—W SEVENTEENTH avenue 146-1 S California S 25xW 120. John T. Gallagher to E. F. Helms. Aug. 25, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED	AMOUNT
Aug. 12, 1916—S GERMANIA AVE 210 E Fillmore E 25xS 62. Gus Johnson vs E C Duggan and Moore & Burlingame. \$85	
Aug. 12, 1916—W GUERRERO 65 N 17th. William Maundrell vs J S Hofmeister and Frank E Berdahl (as Hofmeister & Berdahl). \$309	
Aug. 16, 1916—W SAN CARLOS AVE 210 N 19th N 20-6xW 80. Julius E Back vs John F Haner. \$95	
Aug. 16, 1916—S PINE 65-9 E Sansome E 34-4xS 96. The Simplex Window Co vs Postal Realty Co and D W Carmichael and D L Thornbury. \$70.08	
Aug. 16, 1916—NW POWELL & BUSH 77-6x55-6. Philip O'Donnell vs Joseph Cahen and Edward J Greenhood. \$50	
Aug. 18, 1916—E RHODE ISLAND, 100 S 22nd, E 25xN 100. T. W. Simmie & Co. vs. G. Orri, Flinn & Treacy and H. V. Tucker. \$754.97	
Aug. 19, 1916—COMP 25 S CABELLO, 80 75x E 120; com'g 35 S Cabrillo S 125, W 120, N 50, E 20, N 75, E 100. J. R. McLeod, \$69; Robert Clark, \$80 vs. Beno Meyer and Finance and Realty Development Co. \$187.50	
Aug. 19, 1916—NW EAGLE & YUKON N 266-7 W 104 S 218-6 E 70-9. Leonard Lumber Co vs Alvida Lehman. \$880.11	
Aug. 19, 1916—NW 24TH & POPLAR Alley W 20 N 80-1 NE 30-25 m or 1 S 84-74. Edwin T. Peterson vs Frank Saporiti, Theresa Benetti and J S McLelland. \$253	
Aug. 21, 1916—E THIRTY-EIGHTH avenue 125 N Fulton N 25x E 120. San Francisco Lumber Co. vs. W. F. and Jeannette Yates and Curtis and Amelia Frances Berry. \$528.53	
Aug. 21, 1916—NW NINETEENTH and Church, W 20xN 70. J. H. Wickstrom vs. O. E. Evans & Co. George S. Long, Jr., and Lottie M. Long. \$187.50	
Aug. 23, 1916—W GUERRERO 65 N 17th N 25xW 85. C. Farrenkopf vs. James and Lillian Fitzpatrick and John Doe Hofmeister and Richard Roe Berdahl as Hofmeister & Berdahl. \$200	
Aug. 23, 1916—E THIRTY-EIGHTH avenue 125 N Fulton N 25x E 120. J. J. Powers vs. William F. Yates, Curtis Berry and Amelia Frances Berry. \$250	

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS. Cost not stated. Berkeley, Alameda County, Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on September 1st at 10 a. m. for street improvements authorized under the following resolutions:

That Kains avenue, from the north line of Virginia street, north to the south line of Regents Park, Map No. 3, as shown on map of same on file in the office of the County Recorder of Alameda County, October 11, 1906, be graded.

That redwood curbs be constructed along the curb lines of said street; concrete gutters, 3 feet wide, against said curbs; that the remainder of the roadway be macadamized and surfaced with oil and rock screenings. Excepting from the above work the curb and gutter over the existing catch basins at the north line of Virginia street.

BRIDGE—Reinforced concrete—Cost not stated. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County. Bids will be received up to and including September 11th for the construction of a reinforced concrete bridge on County Road No. 2432, or Palomares Canyon Road, near the lands of F. J. Parisa, in Section 21, T. 3, S. 1, E. 1, W. Eden Road District, Eden Township.

RESIDENCE—1 story and base, frame, \$2,250. Oakland, Cal. Architect, none. Owner, Edward Grandin, 1522 Prince street, Berkeley. Location, West Adeline street, north of 56th street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Berkeley, Alameda Co., Cal. Architect, none. W. S. Young 533 63rd street, Oakland. Location, West San Pablo avenue, north of Jones street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, A. H. Broad, 2117 Kittredge street, Berkeley. Location, East Gee avenue, South Berkeley. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, Joe St. Mary, 2220 Aussen avenue, Oakland. Location, west Aussen avenue, south of Blanche. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contracts for street improvements have been awarded under the following resolutions:

That a 6-inch vitrified ironstone pipe sewer be constructed along Walnut street, from Eunice street northerly; also a brick manhole 4 feet in diameter and 4-inch vitrified ironstone pipe Y branches. Awarded to T. W. Tobin 735 Filbert street, Oakland.

That a cement sidewalk 6 feet wide be constructed in the east sidewalk area of San Pablo avenue, from University avenue to Delaware street; north sidewalk area of University ave-

ne, from San Pablo to Curtis street, and the north sidewalk area of University avenue from West street to Acton street, except already done. Awarded to Oakland Paving Co., 5000 Broadway, Oakland.

That the west half of Franklin street from Delaware street distant 100.15 feet be reggraded; a redwood curb be constructed, concrete gutter 3 feet wide, and the remainder of the roadway be macadamized. Awarded to Oakland Paving Co., 500 Broadway, Oakland.

BANK—1 story and base, reinforced concrete, \$10,000. Alameda, Alameda Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owners, Citizens Bank of Alameda. Location, Webster and Haight streets. Will contain banking room, vaults and public space. Plans being prepared.

CHURCH ADDITION—1 story, frame, \$5,000. Oakland, Cal. Architects, Schimmer & Bugbee Co., Dalziel Bldg., Oakland. Owners, St. Paul's Episcopal Church. Location, Montecito avenue, near Grand. Will contain Sunday School rooms. Plans complete and figures being taken.

WAREHOUSE—2 story, frame, \$4,000. Oakland, Cal. Architect, none. Owners, Barbour Chemical Co., Oakland. Location, east 50th avenue, near 7th street. Plans complete and work to be done by Day Labor.

WATER TANK TOWER—Steel, \$3,000. Oakland, Cal. Architect, none. Owners, Moore & Scott Iron Works. Location, foot of Adeline street. Plans complete and work to be done by Day Labor.

STORES—1 story, brick, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, R. W. Rohie, 1224 Spruce street, Berkeley. Location, north Virginia, east of Shattuck. Will contain one small store. Plans complete and work to be done by Day Labor.

SCHOOL ALTERATIONS AND ADDITIONS—frame, Cost not stated, S. Hayward, Alameda Co., Cal. Architect, E. P. Whitman, Hayward. Owners, City of Hayward. Bids will be opened on September 2nd for minor alterations and additions to the present school building.

Contracts Awarded.

STREET AND SEWER WORK—Cost not stated. Berkeley, Alameda Co. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The following contracts for street improvements have been awarded: The contract for the paving of University avenue from Grove street west to Third street has been awarded to the Oakland Paving Co., 5000 Broadway, Oakland. The Shattuck avenue sewer work was awarded to W. J. Tobin, 735 Filbert, Oakland, and the sewer on Hopkins street to Chambers & Heafey, Bacon Bldg., Oakland.

SHOP BUILDING—1 story, brick, \$10,075. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Contractor, J. Wenderling, 1911 Addison street, Berkeley. Contract price, \$10,075.

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Am't.
2002	Dow	Dow	500
2003	Stater	Peterson	2000
2004	Phillips	Taylor	600
2005	Christensen	Owner	400
2009	Moore	Scott	3000
2010	Seonting	Chalantzon	400
2011	Santarsiero	O	500
2012	Grandin	Grandin	2250
2016	Barbour	Barbour	400
2017	McClunie	Schoebly	500
2018	Hunse	Hunse	1000
2019	Wagner	Engler	5000
2020	Barbour	Barbour	4000
2021	Schneider	Corbett	1900
2022	S. P. Co.	Paraffine Paint Co	100
2029	Russell	Dow	500
2031	Brundo	Camponeposi	2900
2034	Silcox	Holton	475
2035	Garibaldi	Poss	125
2036	Mehan	Malley	2000
2037	Quigley	Baccus	500
2038	St. Mary	St. Mary	2000

REPAIRS

(2002) SW TWENTY-FOURTH AVE and Foothill Blvd., Oakland. Repairs
Owner.....A. R. Dow, 2367 Foothill Blvd., Oakland.
Architect...None.
Day's work. COST, \$500

DWELLING

(2002) N QUIGLEY 200 W 38th Ave., Oakland. One-story 5-room dwlg.
Owner.....A. R. Stater, 3814 Quigley, Oakland.
Architect...None.
Contractor..J. E. Peterson, 2111 Bryon, Berkeley.
COST, \$2000

ALTERATIONS

(2004) NO. 1702 EIGHTEENTH AVE., Oakland. Alterations.
Owner.....Antone Phillips.
Architect...None.
Contractor..N. T. Taylor.
COST, \$600

GASOLINE STATION

(2005) NE TWENTYTH AND BROADWAY, Oakland. Gasoline station.
Owner.....C. Christensen, 237 Wayne Ave., Oakland.
Architect...None.
Day's work. COST, \$400

TOWER

(2009) FOOT OF ADELINE ST, Steel Oakland. Water tank tower.
Owner.....Moore & Scott Iron Works, Premises.
Architect...None.
Day's work. COST, \$3000

ALTERATIONS

(2010) NO. 472 TWELFTH ST, Oakland. Alterations and addition.
Owner.....Sain Seentrino, 725 12th Oakland.
Architect...None.
Contractor..D.Chalantzon, 1013 Hayes street, S. F.
COST, \$100

ALTERATIONS

(2011) NO. 6121 BROMLEY AVE, Oakland. Alterations and additions.
Owner.....Vito Santarsiero, Premises.
Architect...None.
Day's work. COST, \$500

DWELLING

(2012) W ADELINE 100 N 56th street, Oakland. One-story six-room dwelling.

Owner.....Edward Grandin, Prince street, Berkeley.
Architect...None.
Day's work. COST, \$2250

TANK FRAME

(2016) E FIFTIETH AVE and East 9th street, Oakland. Tank frame.
Owner.....Barbour Chemical Co., Premises.
Architect...None.
Day's work. COST, \$400

GARAGE

(2017) N LAKE SHORE AVE, 160 W Athol avenue, Oakland. Garage.
Owner.....N. J. McClunie, 382 Lake Shore avenue, Oakland.
Architect...None.
Contractor..Schnebly, Hostawser & Pedgrift, 6th and Jackson streets, Oakland.
COST, \$500

DWELLING

(2018) N FLEMING AVE 250 E Courtland avenue. One-story three-room dwelling.
Owner.....A. Hunse, 4454 Fleming avenue, Oakland.
Architect...None.
Day's work. COST, \$1000

DWELLING

(2019) S SANTA RAY AVE 200 W Calmar avenue, Oakland. Two-story, eight-room dwelling.
Owner.....Le Roy Wagner, 3040 Benvenue, Berkeley.
Architect...None.
Contractor..Louis Engler, 2456 Derby, Berkeley.
COST, \$5000

WAREHOUSE

(2020) E FIFTIETH AVE at East 9th street, Oakland. Three-story warehouse.
Owner.....Barbour Chemical Co., Premises.
Architect...None.
Day's work. COST, \$4000

ALTERATIONS

(2021) NW ELEVENTH AND CLAY, Oakland. Alterations to store.
Owner.....Schneider Bros., 11th and Washington, Oakland.
Architect...None.
Contractor..Corbett & Bayless, 1110 Franklin, Oakland.
COST, \$1900

REPAIRS

(2022) SIXTEENTH STREET STATION, Oakland. Replacing membrane on part overhead structure at 16th Street Station.
Owner.....Southern Pacific Co., 3rd and Broadway, Oakland.
Architect...None.
Contractor..Paraffine Paint Co., 40 1st, San Francisco.
Filed Aug. 23, '16. Dated Aug. 22, '16.
10 days after completed and accepted\$75
Usual 35 days25
TOTAL COST, \$100
Bond, Sureties, Forfeit, none. Limit, 10 days. Specifications only filed.

REPAIRS

(2029) NO. 1504 EIGHTH AVE, Oakland. Repairs.
Owner.....W. J. Russell, Premises.
Architect...None.
Contractor..A. R. Dow.
COST, \$500

DWELLING
(2031) SW MILLS AND CLIFTON,
Oakland. One-story 7-room dwelling.
Owner.....J. Bruno, 452 Avon, Oak-
land.
Architect...None.
Contractor...E. Campomenosi, 5774
Miles avenue, Oakland.
COST, \$2900

ALTERATIONS
(2034) NO. 1532 NINETEENTH AVE.,
Oakland. Alterations.
Owner.....Mrs. F. J. Silcox, Premises.
Architect...None.
Contractor...F. A. Holton, 2779 East
22nd street, Oakland.
COST, \$475

ADDITION
(2035) NO. 6119 DOVER, Oakland.
Two-story addition.
Owner.....G. Garibaldi, Premises.
Architect...J. P. Righetti, Phelan Bldg.,
San Francisco.
Contractor...C. C. Foss, 1242 First ave-
nue, Oakland.
COST, \$1200

ALTERATIONS
(2036) NO. 618 EAST FOURTEENTH
street, Oakland. Alterations to dwlg.
Owner.....Mrs. Meehan, 618 East 14th
street, Oakland.
Architect...None.
Contractor...P. T. Malley, 3001 Grove
street, Oakland.
COST, \$2000

ALTERATIONS
(2037) E WEBSTER 25 N 10th street,
Oakland. Alterations.
Owner.....Wm. Quigley, 10th and
Clay, Oakland.
Architect...None.
Contractor...W. J. Bacuss, 565 16th
street, Oakland.
COST, \$500

DWELLING
(2038) W AUSEON AV 250 S Blanche,
Oakland. One-story five-room dwlg.
Owner.....Joe St. Mary, 2220 Auseon
avenue, Oakland.
Architect...None.
Day's work. COST, \$2000

Building Contracts Awarded

Berkeley

2007	Reed	Parry	400
2008	Caldwell	Allen	2000
2013	Loeber	Loeber	800
2014	Wright	Legault	2100
2015	Robie	Robie	500
2023	Broad	Broad	1500
2030	Offerman	Ahnfeldt	2258
2032	Young	Young	1500
2033	Gallagher	Livingston	8000
2039	Raimondi	Polati	2240
2040	Barron	Rogers	4500
2041	Treat	Nelson	2000
2042	O'Connell	Johanson	1960

ALTERATIONS
(2007) NO. 1325 OXFORD ST., Ber-
keley. Alterations.
Owner.....L. Reed, Premises.
Architect...None.
Contractor...P. Barry, 2112 Grove street,
Berkeley.
COST, \$400

GARAGE
(2008) SE HASTE AND TELEGRAPH,
Berkeley. One-story brick garage.
Owner.....Mary E. Caldwell, 2429
Telegraph, Berkeley.
Architect...None.

Contractor...F. E. Allen, 463 34th St.,
Oakland.
COST, \$2,000

GARAGE
(2013) NO. 188 HILCREST ROAD,
Berkeley. Garage.
Owner.....H. N. Loeber.
Architect...None.
Contractor...P. N. Rose, 51 21st ave-
nue, S. F.
COST, \$800

ADDITION
(2014) W TELEGRAPH AVE 100 S
Ashby, Berkeley. Add one story
brick garage.
Owner.....J. H. Wright, corner Tel-
egraph and Webster, Ber-
keley.
Architect...J. Henry Boehrer, Delger
Bldg., Oakland.
Contractor...Alfred Legault, 3929 West
street, Oakland.
COST, \$2100

STORE
(2015) N VIRGINIA 100 E Shattuck,
Berkeley. One-story brick ware-
house and store.
Owner.....R. W. Robie, 1224 Spruce,
Berkeley.
Architect...None.
Day's work. COST, \$2000

DWELLING
(2023) E M'GEE AVE 100 S Berkeley
Way, Berkeley. One-story five-room
dwelling.
Owner.....A. H. Broad, 2117 Kittridge
street, Berkeley.
Architect...None.
Day's work. COST, \$1800

DWELLING
(2030) S WOOLSEY, 100 W Regent,
Berkeley. One and one-half story
five-room dwelling.
Owner.....J. W. Offerman, corner
King and Alcatraz, Bkly.
Architect...None.
Contractor...Henry Ahnfeldt, 3005 King
Berkeley.
COST, \$2258

DWELLING
(2032) W SAN PABLO 32½ north
Jones, Berkeley. One-story 5-room
dwelling.
Owner.....W. S. Young, 533 63rd St.,
Oakland.
Architect...None.
Days work. COST, \$1500

ALTERATIONS
(2033) NO 2527 LE CONTE AVE, Ber-
keley. Alter dwelling to three-story
24 room apartments and garage.
Owner.....Bessie Gallagher, 2707 Vir-
ginia, Berkeley.
Architect...Pacific Illustrating Co.,
657 Pacific Bldg., S. F.
Contractor...W. Livingston, 2918 Ellis,
Berkeley.
COST, \$8000

DWELLING
(2039) N HARMON between California
and Sacramento, Berkeley. All work
for one-story frame dwelling except
window shades and door locks.
Owner.....Francesco Raimondi, Ber-
keley.
Architect...L. Mastropasqua, 580
Washington, S. F.
Contractor...Giuseppe Polatti, 2371
Lombard, S. F.

Filed Aug. 25, '16. Dated Aug. 19, '16.
Roof on ¼
Brown coated ¼
Completed and accepted ¼
Usual 35 days ¼
TOTAL COST, \$2240
Bond, \$1120. Sureties, S. Bottaro and
C. Puccinelli. Forfeit, none. Limit, 90
days. Plans and specifications filed.

ALTERATIONS
(2040) NO. 2038 GARBER, Berkeley.
Alter one-story dwelling to two-
story apartments.
Owner.....H. J. Barron, Premises.
Architect...B. J. S. Cahill, Union Sav-
ings Bank Bldg., Oakland
Contractor...J. F. Rogers, 2011 Frank-
lin street, Berkeley.
COST, \$4500

DWELLING
(2041) N CEDAR 50 W Megee, Ber-
keley. One-story five-room dwelling.
Owner.....W. T. Treat, 2101 Geary,
San Francisco.
Architect...None.
Contractor...O. E. Nelson, 1245 Monte-
rey avenue, Berkeley.
COST, \$2000

DWELLING
(2042) N ADDISON 210 W California
Berkeley. One-story 5-room dwlg.
Owner.....J. I. O'Connell, 2120 Cali-
fornia, Berkeley.
Architect...None.
Contractor...Gustav Johanson, 938
Evelyn avenue, Oakland.
COST, \$1960

Building Contracts Awarded

Alameda

2006	Bergerson	Rose	2000
2021	Pollard	Pollard	2800
2025	Cole	Kopf	3500
2026	Pond	Stewart	400
2027	Gallagher	Gallagher	2000
2028	Mignola	Mignola	400

DWELLING
(2006) NO. 426 LINCOLN AVE., Ala-
meda. All work for one-story 6-room
dwelling.
Owner.....C. Bergersen, Premises.
Architect...None.
Contractor...A. H. Rose & Co., 545 17th,
Oakland.

Filed Aug. 19, '16. Dated Aug. 18, '16.
Frame up ¼
Brown coated ¼
Completed and accepted ¼
Usual 35 days ¼
TOTAL COST, \$2000
Bond, none. Limit, 60 days after Aug.
21, 1916. Forfeit, none. Plans and
specifications filed.

DWELLING
(2024) S DAYTON 150 E Paru, Ala-
meda. Two-story six-room dwelling.
Owner.....E. W. Pollard, 2429 Cen-
tral avenue, Alameda.
Architect...None.
Contractor...W. A. Ort, 2162 Alameda
avenue, Alameda.
COST, \$2800

DWELLING
(2025) FERNSIDE BLVD, Alameda.
Two-story eight-room dwelling.
Owner.....Mark T. Cole, Syndicate
Bldg., Oakland.
Architect...None.
Contractor...B. F. Kopf, 1015 82nd ave-
nue, Oakland.
COST, \$3500

DWELLING

(2026) STERLING ST. Alameda. One-story six-room dwelling.
Owner.....C. P. Pond, 1518 Encinal avenue, Alameda.
Architect.....None.
Contractor.....Geo. Stewart, 3010 Central avenue, Alameda.
COST, \$2000

GARAGE

(2027) OAK ST. Alameda. Garage.
Owner.....H. C. Gallagher, 2375 Santa Clara avenue, Alameda.
Architect.....None.
Day's work.....COST, \$400

ADDITION

(2028) 2151 Alameda avenue, Alameda. Addition.
Owner.....John Mignola, Premises.
Architect.....None.
Day's work.....COST, \$400

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED

Aug. 12, 1916—NW TELEGRAPH AV and 24th N 100xW 99, Okd. Sommarstrom Invest Co to whom it man concern.....Aug. 11, 1916
Aug. 12, 1916—LOT 10 BLK "A" Map Triangle Park, Bkly. Roy O Long to Mason-McDuffie Co.....Aug. 5, 1916
Aug. 12, 1916—LOT 21 BLK 7 Map Shaw Tract Bkls 4, 6, 7, 8 and 9, Bkly. W H McNaughton to Mason-McDuffie Co.....Aug. 9, 1916
Aug. 14, 1916—LOT 137 AND NV 1/2 Lot 136, Okd. Louis and Katherina Helmuth to M C Kaler.....Aug. 12, 1916
Aug. 14, 1916—LOT 57 BLK 8 Map Steinway Terrace, Okd. Sara Jane Braslan to Pratt & Tuttle.....Aug. 12, '16
Aug. 14, 1916—LOT 19 BLK 7 Map Shaw Tract Bkls 4, 6, 7, 8 and 9, Bkly. W H McNaughton to Mason-McDuffie Co.....Aug. 12, 1916
Aug. 15, 1916—W BONITA, bet. Rose and Berryman, Bkly. Caroline Wolbold to Jacob Kollmer.....Aug. 15, 1916
Aug. 16, 1916—LOT 17 BLK 14 Map San Pablo Park, Berkeley. George and Anna Bradley to O M & H G Patrick.....Aug. 14, 1916
Aug. 16, 1916—LOT 21 BLK "M" Map No. 3 of Sbdvn of Ptn Central Oakland Tract; E Telegraph Ave, Okd. Clifford J Andrus to whom it may concern.....Aug. 16, 1916
Aug. 16, 1916—LOT 4 BLK 1 Amended Map Ptn La Loma Park & Wheeler Tract, Bkly. Chas F Shaw by James W Placchek to John W Jessiman.....Aug. 12, 1916
Aug. 16, 1916—E WASHINGTON 50 N Fifth E 75xN 50, Okd. A Paladini by Welsh & Carey to F J Edwards assigned to M V Brady.....Aug. 16, 1916
Aug. 17, 1916—PTN LOT 16 BLK 9 Map Northbrae, Oakland Tp. Clarence Graham Jones to whom it may concern.....Aug. 16, 1916
Aug. 17, 1916—W TWENTY-FOURTH 317.50 E Valdez E 40xN 100, Okd. L E Allen to O E Allen.....Aug. 16, 1916
Aug. 17, 1916—PTN LOTS 3, 4 AND 5 Map W G Henshaw's Sbdvn Lots at 24th and Bay Place, Okd. L E Allen to whom it may concern.....Aug. 14, 1916
Aug. 18, 1916—SE PRINCE AND Shattuck Ave E 100 S 40 W 102-6 N 40.064, Bkly. C W Coles to Geo W Patton.....Aug. 15, 1916

Aug. 18, 1916—N 123 LOT 21 BLK "D" Map Broadway Terrace, Okd. M I Diggs, Hazelle E and W R Martin to Wooley & Rich.....Aug. 5, 1916
Aug. 18, 1916—LOT 18 Map Emmons Tract, Alameda. R H Banning and Jas E Stewart to whom it may concern.....Aug. 12, 1916
Aug. 18, 1916—NE AILEEN AND LOS Angeles Ave E 80xN 100, Okd. C H Cutter to Thomas Rutherford.....Aug. 18, 1916
Aug. 19, 1916—NW FRUITVALE AV and SW line land conveyed by Willis E Gibson to William H Wheeler recorded Liba 2393 Deeds page 261 NE 90 NW 419 NW 20.85 th on curve to left 30.71 SW 53.41 th on curve to left 24.32 SE 67.93 NE 90, Okd. William H Wheeler to whom it may concern.....Aug. 18, 1916
Aug. 21, 1916—NW FRUITVALE AVE and SW line land conveyed by Melis E. Gibson et al to William H. Wheeler, recorded liber 2393 Deeds page 261. W. H. Wheeler to O. C. Cooley.....Aug. 19, 1916
Aug. 21, 1916—BARTLETT AVE, Oakland. Southern Pacific Co to Joe Costello.....Aug. 17, 1916
Aug. 22, 1916—LOT 15, BLK L Berry Bangs Tract, Berkeley. Reuben Hollman to J. S. Hanson.....Aug. 10, 1916
Aug. 22, 1916—NW ROSE AND Grove streets, Berkeley. R. J. Thomas to Frank Button.....Aug. 21, 1916
Aug. 22, 1916—REAR 248 LAKESHORE Boulevard, being lot 39 Revised map Alameda Co. Land Co., Bk 152, Oakland. Mrs. A. M. Greenfield to whom it may concern.....Aug. 19, 1916
Aug. 23, 1916—N 40 LOTS 1 AND 2, Bk 16, Daley Scenic Park, Berkeley. John B. Wrangham to Matt L Koski.....Aug. 23, 1916
Aug. 23, 1916—S BANCROFT WAY 450 E Dana, Berkeley, N. R. Davidson by James W. Placchek to Arthur Arlett.....Aug. 18, 1916
Aug. 24, 1916—W HOLLISS ST 225 S Park avenue S 35, W 256, N 60, E 133, S 25, E 133, Emeryville. American Coin Register Co to W. H. and S. W. Jones (Jones Bros.).....July 25, 1916
Aug. 25, 1916—NO. 521 TWENTY-second street, Oakland. George Smith to whom it may concern.....Aug. 15, 1916
Aug. 26, 1916—LOT 47, Map Grand Avenue Terrace, Oakland. Grace L. Forster to C. O. Bradhoff.....Aug. 25, 1916

LIENS FILED

ALAMEDA COUNTY.

Aug. 12, 1916—LOT 122 AND S 5 LOT 124 Map Terminal Junction Tract, Albany. A H Bar (Bar Mercantile Co) vs A R and Annie D Morris.....\$135.72
Aug. 12, 1916—LOT 118 of E 10 Lot 17 Map Terminal Junction Tract, Albany. A H Bar (Bar Mercantile Co) vs A R and Annie D Morris.....\$144.72
Aug. 19, 1916—S HARWOOD 265 N College Ave S 115x E 40, Okd. Sunset Lumber Co vs F R Jordan.....\$238.37
Aug. 23, 1916—NE PEARMAIN ST and SE 105th Ave 766.73 SE from pt beginning SE 37 1/2 NE 100, Oak-

land. Hogan Lumber Co. vs. Louis and Catherine Helmuth and M. C. Kaler.....\$351.60
Aug. 24, 1916—LOT 21 BLK 22, Map Northbrae, Oakland Tp. Bruce Lumber and Mill Co. vs. J. G. and W. N. Taylor.....\$95.17
Aug. 24, 1916—LOT 122 AND S 5 FT lot 124, Map Terminal Junction Tract, Albany. Peter N. Winlund (Emeryville Planing Mill Co.) vs. A. R. and Annie D. Morris.....\$142
Aug. 25, 1916—LOT 122 AND S 5 FT lot 124, Map Terminal Junction Tract, Albany. Tilden Lumber Co. vs. A. R. Morris.....\$37.74
Aug. 25, 1916—LOT 122 AND S 5 FT lot 124, Map Terminal Junction Tract, Berkeley. Swift & Wilcox vs. A. R. and Annie D. Morris.....\$65.85
Aug. 26, 1916—E OAK ST 110 N 9th street N 30x E 100, Oakland. Marshall & Stearns Co., \$390; The California Brick Co., \$149.30; Maxwell Hardware So., \$334.75; The California Brick Co., \$149.30; Ray B. Johnson (Tri-City Window Shade Manufactory), \$60; Hanna Lumber Mill Co., \$540.16; Fred S. Jackson, \$810; California Door Co., \$160.20; Powell Bros. Construction Co., \$395.20; W. H. Pollard, \$252.10; W. P. Fuller & Co., \$85; Ernest L. Thompson, \$177; vs. V. N. Strang.

NOTICE OF NON-RESPONSIBILITY.

Aug. 22, 1916—PTN SEC 29, 30, 31, 32, Tp 3 S., R. 4 E., M. D. B. & M.; Ptn E 1/2 Sec 33 and W 1/2 Sec 34, Tp 3 S., R. 4 E., M. D. B. & M., Alameda County. P. M. McG. McBean as to improvements on leased property.

SAN JOSE AND THE SANTA CLARA VALLEY

STREET IMPROVEMENTS—Cost not stated. South San Francisco, San Mateo County, Cal. Engineer, City Engineer, South San Francisco. Owners, South San Francisco. Bids will be opened on September 4th at 8 p. m. for street improvements authorized under the following resolution: That Swift avenue, between the east line of the right of way of the Southern Pacific Railroad and the east end of Swift avenue and Walker avenue, be improved by grading; an asphaltic concrete pavement consisting of an asphaltic concrete wearing surface 1 1/2-inch thick laid on a concrete base 6 inches in thickness having a width of 18 feet; also by constructing earth shoulders on each side of said pavement; constructing reinforced concrete box culvert and 18-inch corrugated iron culverts.

ROAD IMPROVEMENT—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Plans and specifications for the improvement of Trimble Road, in Supervisor District No. 3, have been approved by the County Supervisors and bids have been ordered received up to September 18th 11 a. m. Plans for the work may be had from County Clerk Henry A. Pfister.

SEWER CONSTRUCTION. Cost not stated. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. At the last meeting of the City Council the city engineer was instructed to draw plans and specifications for a sewer on

street, and on Main street, below First.

RESIDENCE—2 story and base, frame and concrete, \$45,000. Saratoga, Santa Clara Co., Cal. Architect, Willis Poek, Hobart Bldg., S. F. Owner, Chas. D. Blaney. Will contain 14 rooms, five baths, sleeping porches and conservatory. A number of out-buildings will also be erected. Plans complete and figures being taken.

HOSPITAL WARD ADDITION—1 story, frame, \$7,500. San Jose, Santa Clara Co., Cal. Architect, William Binder, Rea Bldg., San Jose. Owners, Santa Clara County. Designed for a tubercular ward. Plans complete and figures being taken.

BRIDGE—Reinforced concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on September 11th at 10 a. m. for the construction of a reinforced concrete bridge on the Half Moon Bay to Pescadero Road, at the crossing of San Gregorio Creek, Station 490, Route 3, Division 2, Section 2, Fifth Road District.

CULVERTS—Reinforced concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. County Surveyor Neuman has been directed by the County Supervisors to prepare plans and specifications for the construction of two new culverts on the Pulgas Road, near Reid's school in the Second Township. Bids for the work will be called for on the completion and acceptance of the plans.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

(Correction in Architect's address.)

DWELLING

EVERGREEN, SANTA CLARA CO. One and one-half story frame dwelling. Owner.....G. Giannini. Architect.....F. G. Aitken, Theatre Bldg., San Jose.

Contractor.....A. Bonocchi.

Filed Aug. 17, '16. Dated Aug. 16, '16.
Frame up25%
First coat plaster25%
Acceptance25%
Usual 35 days25%

TOTAL COST, \$3550

Bond, \$1800. Sureties, J. Chargin and M. A. Pastaqua. Forfeit, \$10. Limit, 80 days from filing. Plans and specifications filed.

SCHOOL

CAMPBELL. One-story frame school. Owner.....Campbell School Trustees. Architect.....F. D. Wolfe, Bank of Italy Bldg., San Jose.

Contractor.....E. L. Wolfe, 131 Coe, San Jose.
Filed Aug. 22, '16. Dated Aug. 19, '16
First floor joists in\$3300
Roof on3300
Plastering inside and outside.. 3300
Job accepted3300
Usual 35 days4400

TOTAL COST, \$17,600

Bond, \$8,800 to material men and labor; \$8,800 to owner. Sureties, Frank Cox and F. B. Wolfe. Forfeit, \$5. Limit 120 days after filing. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Aug. 18, 1916—**STANFORD UNIVERSITY** Campus. Delta Kappa Epsilon Association to F. H. MowveAug. 9, 1916
Aug. 23, 1916—**ARASTRADERO ROAD**. C. D. Minaker to Geo. B. Moore... ..Aug. 12, 1916

COMPLETION NOTICES

SAN MATEO COUNTY.

Aug. 19, 1916—**EL CERRITOS AVE** and Medway Road, Hillsborough. Hillsborough District School to McLeran & Peterson....Aug. 15, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES

CULVERTS—Reinforced Concrete. Cost not stated. Santa Rosa, Sonoma County, Cal. Engineer, F. W. Maurice, Santa Rosa. Owners, Sonoma County. The plans and specifications prepared by F. W. Maurice for two concrete culverts on the Petaluma and Santa Rosa County Road have been accepted by the County Supervisors and bids for their construction have been asked. Plans may be had from the County Clerk.

HIGHWAY IMPROVEMENT—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Contractors, Western Motor Drayage Co., 1444 Church street, S. F. Contract for furnishing and placing seven miles of asphalt dressing.

HIGHWAY IMPROVEMENTS—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. At the last meeting of the County Board of Supervisors the following bids were received for the construction of the Navarro and Salmon Creek road: Stoddard & Buchanan, \$10,061; Jesse L. Fairbanks, \$10,261.50; Ellison & Pesula, \$11,280; R. B. Marklo, \$11,000. The contract was awarded to Stoddard & Buchanan. This was figured on constructing 2 miles of road, 2½ miles of it being estimated as necessary to surface with rock which will require 3,200 cubic yards.

CULVERT—Reinforced Concrete. Cost not stated. Santa Rosa, Sonoma County, Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. The County Supervisors have accepted the specifications and plans as drawn by County Surveyor Malcolm G. Youker for a concrete culvert in the first district on the road at the Ducker place. Bids will be opened for this September 14. Plans may be had from the County Clerk.

BRIDGE—Reinforced concrete—Cost not stated. Santa Rosa, Sonoma County, Cal. Engineer, County Surveyor Santa Rosa. Owners, Sonoma County. The County Supervisors have ordered bids received for the construction of a bridge across Wiley Creek in Green Valley. Plans may be had from the County Clerk at Santa Rosa. Bids close September 14, 1916.

RESIDENCE—1½ story and base, frame, \$5,000. Sausalito, Marin Co., Architects, Schirmer & Bugbee, Dalziel Bldg., Oakland. Owner, Mrs. Secareo. Will contain eight rooms, three baths and sleeping porches. Plans being prepared.

FLATS—2 story and base, frame, \$4,000. Richmond, Contra Costa Co., Cal. Architect, James T. Harbett, Richmond. Owner, Miss E. Whiting. Will contain modern flats of five and six rooms. Plans complete and figures being taken.

STORES—1 story and base, brick veneer, \$3,300. Bay Point, Contra Costa Co., Cal. Architect, James T. Harbett, Richmond. Owner, A. W. Smith, Bay Point. Designed for a modern drug store. Plans being prepared.

Contracts Awarded.

STORE—1 story and base, reinforced concrete, \$6,000. San Anselmo, Marin Co., Cal. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners Buckley Co. Contractor, Peter Hamilton, San Anselmo. Contract price, \$6,000.

WHARF TIMBER CONSTRUCTION—\$5,000. Petaluma, Sonoma Co., Cal. Engineer, City Engineer. Owners, City of Petaluma. Contractors, Call Construction Co., S. F. Contract price, \$5,000, not including lumber.

BUILDING CONTRACTS

MARIN COUNTY.

(Correction in Architect's Name.)

PLUMBING AND SEWERING

TOWN OF BELVEDERE. Plumbing and sewerage for two-story and basement frame dwelling.

Owner.....Mrs. Manuela Page Hellman, Belvedere, Cal.
Architect.....Albert Farr, 68 Post, San Francisco.
Contractor.....Paul H. Hellrich, Belvedere.

Filed Aug. 22, '16. Dated Aug. 11, '16.
All roughing and sewer laid.....\$264.50
All work is completed.....264.50
Usual 35 days175.50

TOTAL COST, \$704.50

Bond, Sureties, Forfeit, none. Limit, 70 days. Plans and specifications filed.

STORE

SAN ANSELMO. Reinforced concrete, one-story class "C" store building. Owner.....P. A. Buckley and J. McNaboe.

Architect.....O'Brien Bros., Inc., 240 Montgomery, S. F.
Contractor.....Peter Hamilton, Russ Bldg., S. F.

Filed Aug. 22, '16. Dated Aug. 19, '16.
Concrete walls poured to ceiling\$1262.50
Building roofed, plumbing and electric work1262.50
Completed and accepted1262.50
Usual 35 days1262.50

TOTAL COST, \$5050

Bond, \$2,525. Sureties, John S. Dickson and Margaret Hamilton. Forfeit, none. Limit, 60 days. Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

ROCK AND EARTH FILL

ON NORTH OF WHARF NO. 1. Richmond, Cal. Construction of rock and earth fill on north or land side of Municipal Wharf No. 1 with highway.

Owner.....City of Richmond, Richmond, Cal.
Engineer.....A. P. Haviland.
Contractor.....Moffett & Mead, 505 Madnack Bldg., S. F.

Filed July 22, '16. Dated July 13, '16.

By percentage of work
TOTAL COST, \$1,400
 Bond, \$1,100. Sureties, Massachusetts
 Bonding and Insurance Co. Forfeit
 none. Limit, none. Plans and specifi-
 cations filed.

DWELLING

E 50 FEET OF LOTS 4 AND 5 IN BLK
50 in city of Pittsburg, Cal. Con-
 struction of a six-room house.
 Owner.....C. A. Hooper & Co, 274 Los
 Medanos, Pittsburg, Cal.
 Architect.....Otis Loveridge, 274 Los
 Medanos, Pittsburg.
 Contractor...Anderson Bros.
 Filed Aug. 17, '16. Dated Aug. 14, '16.
 When floor joists are laid.....\$735
 Roof completed 735
 Completed and accepted 735
 Usual 35 days 735
TOTAL COST, \$2,940

Bond, \$1,520. Sureties, Hartford Ac-
 cident and Indemnity Co. Forfeit, none.
 Limit, 75 working days. Plans and specifi-
 cations filed.

FRAME SCHOOL

ON LOT IN TOWN OF MORAGA, CAL.
 One story frame school building.
 Owner.....Willow Spring School.
 Architect.....Norman R. Coulter, 46
 Kearny, San Francisco.
 Contractor, Keller & Crane, 74 Mira-
 mare avenue, S. F.
 Filed Aug. 17, '16. Dated July 18, '16.
 On or before 5th of each month.....75%
 Usual 35 days 25%
TOTAL COST, \$9,185

Bond, \$4,592.50. Sureties, United States
 Fidelity and Guaranty Company. For-
 feit, none. Limit, 75 working days.
 Plans and specifications filed.

FRAME RESIDENCE

LOT 1, IN BLK F of Map of Home-
stead Tract, Martinez, Cal. All work
 for a one story and half frame resi-
 dence.

Owner.....A. B. Tinning, Martinez,
 Cal.
 Architect...Schirmer, Bugbee & Co.,
 Dalziel Bldg., Oakland, Cal.
 Contractor...Anthony & Heyer, Dalziel
 Bldg., Oakland, Cal.
 Filed Aug. 17, '16. Dated Aug. 8, '16.
 Frame up\$897.00
 Brown coated 987.00
 Completed and accepted 897.00
 Usual 35 days 904.50
TOTAL COST, \$3,595.50

Bond, \$1,800. Sureties, M. C. Ambony,
 Bantz and C. W. Heyer. Forfeit, none.
 Limit, 75 working days. Plans and
 specifications filed.

CHURCH

BYRON, CAL. General work in erec-
 tion and completion of church.
 Owner.....Roman Catholic Arch-
 bishop of San Francisco,
 1100 Franklin, S. F.
 Architect...Bliss & Faville, Balboa
 Bldg., S. F.

Contractor...Brady Construction Co.
 Filed, Aug. 19, '16. Dated Aug. 2, '16.
 In monthly installments com-
 mencing Sept. 1, 1916, install-
 ments not to exceed 75% of
 work completed during preced-
 ing month.....75%
 Usual 35 days\$977
TOTAL COST, \$2,931

Bond, \$1,465. Sureties, Chas. D. Hey-
 wood and Robert May. Forfeit, none.
 Limit, on or before Nov. 1, 1916. Plans
 and specifications filed.

CHURCH PEWS

PALO ALTO, CAL.—Installing church
 pews Palo Alto Christian Science
 Church (First Church).
 Owner.....Palo Alto Christian Sci-
 ence Church (1st Church).
 Architect.....Elmer Grey, Wright &
 Callender Bldg., Los Angeles,
 Cal.
 Contractor...C. F. Weber & Co., 365
 Market S. F.
 Filed Aug. 19, '16. Dated Aug. 3, '16.
 On completion of job.....50%
 Usual 35 days50%
TOTAL COST, \$1,057
 Bond, Sureties, Forfeit, Limit, none.
 Plans and specifications filed.

COMPLETION NOTICES**MARIN COUNTY.**

Aug. 19, 1916—**SITUATE IN SAN AN-**
selmo. Mabel J. Jones to C. El-
 lingsonAug. 9, 1916
 Aug. 22, 1916—**SAUSALITO.** Freder-
 ick Schnell and Lina Schnell So-
 renson to W. Heidt Cornice Co and
 to R. de Luca.....Aug. 21, 1916

LIENS FILED**MARIN COUNTY.**

Aug. 21, 1916—**SAN RAFAEL.** E. K.
 Wood Lumber & Mill Co., \$140.30;
 Hansen Lumber Co., \$604.98 vs.
 Napoleone Paganini

COMPLETION NOTICES**CONTRA COSTA COUNTY.**

Aug. 15, 1916—**MT. DIABLO UNION**
 High School Grounds. Trustees of
 Mt. Diablo Union High School to
 P. M. Sanford.....Aug. 5, 1916

RELEASE OF LIENS**CONTRA COSTA COUNTY.**

Aug. 15, 1916—**LOT 19 IN BLK "A"**
 of Parkside Addition to town of
 Concord, Cal. Ike Merriman to Roy
 E. and Jane Doe Perry.....\$16.20

**FRESNO, MODESTO, STANISLAUS
AND CENTRAL CALIFORNIA**

HIGHWAY CONSTRUCTION—Cost
 not stated. Hanford, Kings County. En-
 gineer, County Surveyor, Hanford. Own-
 ers, Kings County. Bids will be called
 for within the next few days by the
 County Supervisors for the construc-
 tion of 15½ miles of highway between
 Guernsey and Corcoran, plans for this
 work having been completed.

BRIDGES—Reinforced concrete. Cost
 as follows: Hanford, Kings Co., Cal.
 Engineer, County Surveyor, Hanford.
 Owners, Kings County. Contractor, S. G.
 Smartt, Bakersfield. Contract for 450
 yards of bridges at \$8 per cubic yard
 for concrete and 1 cent per pound for
 bending steel.

STREET IMPROVEMENTS. Cost not
 stated. Lindsay, Tulare Co., Cal. En-
 gineer, City Engineer, Lindsay. Owners,
 City of Lindsay. Bids for extensive
 street improvements will be opened
 September 12th at 8 p. m. for work au-
 thorized under the following resolu-
 tions:

That Sweet Briar avenue, from the
 north line of Apla street to the north

line of Lewis street, including all
 street intersections, be graded, and
 paved with an asphaltic concrete wear-
 ing surface on a hydraulic cement con-
 crete base; also that similar work be
 prepared on Lewis street, from the east
 line of Sweet Briar avenue to the west
 line of right of way of the Southern
 Pacific Railway Company's Fresno
 branch, including all street intersec-
 tions; also Mr. Vernon avenue from the
 south line of Honolulu street to the
 north line of Apla street; also Mt. Ver-
 non avenue from the north line of Apla
 street to a point on the east line of Mt.
 Vernon avenue.

That crushed rock and asphalt should
 be constructed along each side of
 the pavement to be constructed on Mt.
 Vernon avenue between the north line
 of Apla street and a point on the east
 line of Mt. Vernon and along each side
 of the pavement to be constructed on
 the street lying along the right of way
 of the Southern Pacific Railway Com-
 pany's Fresno branch.

That the street lying along the west
 line of the right of way of the South-
 ern Pacific Railway Company's Fresno
 branch, from the north line of Lewis
 street to the south city limits, be grad-
 ed and paved to the official grade with
 an asphaltic concrete wearing surface
 on a hydraulic cement concrete base.

That cement concrete curbs be
 constructed to official line and grade along
 the west curb line of Sweet Briar ave-
 nue from the south line of Apla street
 to the north line of Lewis street and
 along both sides of Lewis street from
 the right of way of the Southern Pa-
 cific Railway Company's Fresno branch
 and along the west curb line of Mt.
 Vernon avenue from the south line of
 Honolulu street to the north line of
 Apla street.

That galvanized corrugated iron cul-
 verts be constructed across Apla street
 and across Lewis street on the line of
 the gutter on the east side of Sweet
 Briar avenue and across Mt. Vernon
 avenue on the south line of Apla street
 and across the street lying along the
 west line of the right of way of the
 Southern Pacific Railway Company's
 Fresno branch, at a point midway be-
 tween the intersection of Lewis street
 and the south city limits and across
 the street lying along the west line of
 the right of way of the Southern Pacific
 Railway Company's Fresno branch at a
 point 100 feet north from the south
 city limits.

CHURCH—1 story and base, rein-
 forced concrete, \$20,000. Merced, Mer-
 ced Co., Cal. Architects, Shea & Lof-
 quist, Bankers Investment Bldg., S. F.
 Owners, Roman Catholic Church, Thos.
 J. Brennan, pastor. Location, 21st and
 L streets. Will contain main auditor-
 ium, pastor's study and Sunday School
 rooms. Plans being prepared.

SEWER CONSTRUCTION—\$30,000.
 Modesto, Stanislaus Co., Cal. Engineer,
 City Engineer, Modesto. Owners, City
 of Modesto. At the last meeting of the
 City Council the City Engineer recom-
 mended the expenditure of \$1,736 on
 sanitary sewer work, and the building
 of a storm sewer trunk line on 11th
 street from J street to Dry Creek to
 relieve the menace of winter storm
 waters.

HIGHWAY CONSTRUCTION. Cost
 First street, to connect with Main

not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. The County Supervisors have ordered bids received up to September 7th for the construction of the highway units south and west of Guernsey and north and west of Corcoran. Further information together with plans and specifications may be had from the County Clerk.

BAKRN—1 story, frame. Cost not stated. Modesto, Stanislaus Co., Cal. Architect, none. Owner, R. M. Eike, Route 4, Modesto. Will cover an area of 32 by 40 feet. Plans complete and owner taking figures. Bids close September 7th.

JAIL—2 story and base. Class A construction, \$40,000. Visalia, Tulare Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Tulare County. Architect Kump has just been commissioned to prepare plans, and details of the construction can not be given at this time. Further mention will be made of the work.

IRRIGATION SYSTEM, \$1,231,240.47. Lindsay, Tulare Co., Cal. Engineer, Stephen E. Kieffer, Mechanics Institute Bldg., S. E. Owners, Lindsay-Strathmore Irrigation District. Contractor, James Kennedy, Washington Bldg., Los Angeles. Contract price, \$1,231,240.47.

SCHOOL—1 story and base, frame and concrete. Cost not stated. Visalia, Tulare Co., Cal. Architect's name not given. Owners, City of Visalia. Bids will be opened on September 11th at 7 p. m. for a six-room school. Plans can be secured from the Clerk of the Board of Education.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOOPS 10, 11, BLK 9, CENTRAL ADD.
Fresno. Dwelling.
Owner, Mae B. Smith.
Architect, None.
Contractor, Henry Gede, Jr., and Victor R. Gede, 451 Poplar, Fresno.

Filed Aug. 21, '16. Dated Aug. 14, '16.
Frame up \$360
Plastered 300
Completed 725
Usual 35 days 445
TOTAL COST, \$1780

Bond, \$900. Sureties, Chas. Bergstrom and F. J. Haber, forfeit, \$5. Limit, 70 days. Plans and specifications filed.

TANK HOUSE, ETC.

LOCATION NOT GIVEN. Tank house, etc., for school house.
Owner, Easterby School District.
Architect, None.
Contractor J. E. Crouger.

Filed Aug. 24, '16. Dated Aug. 19, '16.
On completion \$1096

TOTAL COST, \$1096
Bond, \$315. Sureties, L. A. Angel and E. G. Hughson, forfeit, \$10. Limit, 35 working days. No plans, specifications filed.

COMPLETION NOTICES

FRESNO COUNTY.

Aug. 21, 1916—LOTS 10, 11, 12, Blk A, Hills Addition to Fresno, A. Agbajanian to whom it may concern, Aug. 18, 1916

LIENS FILED

FRESNO COUNTY.

Aug. 19, 1916—LOTS 31 AND 32, BLK 53, Fresno. Fresno Lumber Co. vs. A. E. Cochrane \$126

NOTICE OF NON-RESPONSIBILITY.

FRESNO COUNTY.

Aug. 21, 1916—SELMA. C. P. Railway work, etc., by Guggenheim & Co. as to improvements on leased property.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

STREET PAVING—Cost as follows: Marysville, Yuba Co., Cal. Engineer, City Engineer, Marysville. Owners, City of Marysville. Two bids were received by the City Council for improving streets in district two and three. The Federal Construction Co., Sharon Bldg., San Francisco, bid 11 cents on both jobs and Clerk & Henery, 28 S. Henry street, Sacramento, 13.8-10 cents on both jobs. The bids were referred to City Engineer Meek to report back as to who should be awarded the contract.

STREET PAVING—Cost not stated. Fort Bragg, Mendocino Co., Cal. Engineer, City Engineer, Fort Bragg. Owners, City of Fort Bragg. Final action will be taken at the next meeting of the City Trustees for the paving of the streets of Fort Bragg. City Engineer Gray has a preliminary report prepared for the trustees on the various types of paving together with estimated cost. The paving work will cover an area of approximately 302,164 square feet.

STREET IMPROVEMENTS—Cost not stated. Tracy, San Joaquin Co., Cal. Engineer, City Engineer, Tracy. Owners, City of Tracy. The City Trustees have directed City Engineer Raab to prepare plans and specifications for grading, graveling, curbing and sidewalks on Sixth street, from B to C streets, and also from West street to B street. Bids will be taken on approval of the plans.

STREET PAVING, ETC.—Cost as follows: Marysville, Yuba Co., Cal. Engineer, Marysville. Owners, City of Marysville. The lowest bid for street pavement in the history of Marysville was received when the City Council opened bids for the improvement of several blocks of street. The low bid was 8 1/2 cents per square foot for asphalt concrete pavement and was submitted by the Federal Construction Co., 223 Sharon Bldg., San Francisco. The Federal Construction Co. also was low on other items. All bids were referred to the City Engineer.

STREET PAVING—Cost as follows: Tracy, San Joaquin Co., Cal. Engineer, City Engineer, Tracy. Owners, City of Tracy. Contractor, Rueben Johnston Tracy. Contract price for North A, B, C, D, E, F and Eighth streets, \$14,479; for Ninth and Tenth streets, \$13,312.

STREET PAVING—\$21,070.80. Placerville, El Dorado Co., Cal. Engineer, City Engineer, Placerville. Owners, City of Placerville. Contractors, A. Tichert & Son, Ochsner Bldg., Sacramento. Contract price, \$21,070.80. Note contract does not include gutters, sewers or culverts. Cement furnished by city.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions:

That First avenue, in Oak Grove, from Lower Stockton Road to Central avenue, be improved by constructing concrete curb, concrete gutter, placing cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached; constructing 6-inch vitrified ironstone sewer pipe drains; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway from the east line of the Lower Stockton Road to west line of Central avenue and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1 1/2-inch thick. Awarded to T. A. Teichert & Son, Ochsner Bldg., Sacramento.

That J street, from Ashby avenue to Apricot avenue, be improved, by constructing concrete curb, concrete gutter; placing cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached; constructing 6 and 8-inch vitrified ironstone sewer pipe drains; reconstructing existing concrete manhole; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1 1/2 inches thick, filling in behind the curbs with earth for a distance of 8 feet. Awarded to Clark & Henery Construction Co., 38 S. Henry street, Sacramento.

STREET PAVING, ETC.—Cost not stated. Marysville, Yuba Co., Cal. Engineer, City Engineer, Marysville. Owners, City of Marysville. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price for filling, paving and grading, 3 cents per square foot.

BRIDGE FILLS—Cost not stated. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be opened on September 8th at 2 p. m. for the construction of bridge fills near Honey Creek bridges.

HOSPITAL WARD—2, 2 story, hollow tile, \$35,000 each. Sacramento, Cal. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento County. Location, County Hospital grounds. Each ward will cover an area of 35 by 160 feet. Designed for a female surgical ward and for a maternity ward. Plans complete and figures being taken. Bids open on September 6th.

SCHOOL—1 story and base, hollow tile, \$35,000. Placerville, El Dorado Co., Cal. Architects, N. W. Sexton & Co., Merchants National Bank Bldg., S. F. Owners, Placerville School District. Will contain eight class rooms and an assembly hall. Central heating system. Plans approved and figures to be called for at once.

BRIDGES—Reinforced concrete. Cost not stated. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Bids will be opened on September 12th for the construction of four highway bridges located as follows: Over Lost Man's Creek, near Orick, in Road District No.

5; over Ross Creek, between Ferndale and Centerville, in Road District No. 1; over Maple Creek, near Carson's, in Road District No. 3, and over the North Fork of the Mattole River, near Petrolia, in Road District No. 1. Plans can be had from the County Clerk.

HIGHWAY CONSTRUCTION—Cost not stated. Woodland, Yolo Co., Cal. Engineer. County Surveyor, Woodland. Owners, Yolo County. County Surveyor Asa Proctor is surveying a new proposed road between Madison and Esparto. It is proposed to build the road of gravel sufficiently thick to withstand the heavy travel during the wet weather.

FRUIT PACKING HOUSE—1 story, frame. Cost not stated. Oroville, Butte Co., Cal. Architect, none. Owners, Stewart Fruit Co., Oroville. Location, Robinson street. Will cover an area of 80 by 50 feet. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on September 7th for street improvements authorized under the following resolutions:

That S street, from Front street to 31st street, be improved by constructing concrete sidewalks on official line and grade where concrete sidewalk does not exist on official line and grade, and grading the space between the property line and curb.

That T street, from Front street to 28th street, be improved by removing and disposing all surplus and refuse material in the sidewalk area; constructing concrete sidewalk 6 feet wide and 3½ inches thick on official line and grade where concrete sidewalks do not exist on official line and grade, and grading the space between the property line and curb.

That Spafford avenue, from Madrone avenue to Cypress avenue, be improved by constructing concrete gutter; one concrete manhole complete with cast iron curb and cover; constructing 6-inch vitrified ironstone sewer pipe drains; placing 2 cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches in thickness, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Bids close September 5th on this resolution.

That the alley between I and J streets, from 14th to 15th streets, be improved by placing 3 linear feet of concrete protective covering over 8-inch sewer pipe; constructing 1 6-inch vitrified ironstone sewer pipe flusher branch complete; reconstructing 1 concrete catch basin by placing same to official grade; lowering 1 flush tank to grade and filling in the same with earth; constructing 80 linear feet of concrete curb wall; grading the alley and constructing thereon an asphalt pavement consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick.

That M street, from 30th street to 31st street, be improved by grading the space between the property line and curb where concrete sidewalk does not exist on official line and grade where concrete sidewalk does not exist.

CEMENT—Cost not stated. Auburn Placer Co., Cal. Engineer, City Engineer, Auburn. Owners, City of Auburn. All bids for furnishing cement for use in the State Highway lateral in Auburn have been rejected by the City Trustees. The cement will now be purchased in open market.

LODGE HALL AND STORES—1 story 600. Sacramento, Cal. Architect, Washington J. Miller, 417 Market street. S. E. Owners, Sacramento Native Sons Hall Ass'n. A complete list of the bids opened for this work will be found under the heading of Sacramento and Northern California in this issue.

POST OFFICE—1 and 2 story, stone and concrete, \$60,000. Willows, Glenn Co., Cal. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, United States Government. Bids will be opened on October 2nd at 3 p. m. in Washington, D. C., for the complete construction of this building. Mechanical equipment included. Plans can be secured from the Supervising Architect at Washington, D. C., or from the Custodian of the site at Willows. An official proposal appears in another column of this issue.

THEATRICAL ALTERATIONS—2 story. Class B construction, \$60,000. Sacramento, Cal. Architect, E. C. Hemming, 1005 K street, Sacramento. Owners, Hillbron Estate. Location, J street, between 5th and 6th streets. Seating capacity 1500 people. Plans complete and figures being taken.

SCHOOL—1 story and base, frame, \$23,000. Lakeport, Lake Co., Cal. Architects, Morrow & Garrin, Chronicle Bldg., S. F. Owners, Lakeport School District. Contractors: Kerr & McLean, 110 Jessie street, S. F., general construction, \$22,743; Pacific Fire Extinguisher Co., S. F., heating, \$1,500.

BRIDGES—Reinforced concrete. Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa Owners, Colusa County. Contractors, Hard Bros., 2623 G street, Sacramento, Bridges Nos. 92 and 93; Schaad Bros., Williams Bridge No. 94. Bids for Bridge No. 96 were rejected and new figures will be called.

Contracts Awarded.

COURT HOUSE—2 and 3 story and base, reinforced concrete, \$225,000. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Yolo County. Contractors: Robert Trost, S. F., general construction, \$198,000; W. P. Boyce & Son, Woodland, plumbing, \$6,478; Latourrette-Fical Co., Sacramento, electric work, \$5,575; Scott Co., S. F., steam heating, \$7,280; Standard Electric Time Co., program clocks, \$920.

BRIDGE PAVING. Cost as follows: olusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. Contractor, A. R. Ashill, Colusa. Contract price, 14 cents per square foot.

HOSPITAL PAINTING—\$1,067. Colusa, Colusa Co., Cal. Architect, none. Owners, Colusa County. Contractor, L. H. Fitch, Colusa. Contract price, \$1,067.

BRIDGE—Reinforced concrete—\$11,500. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Contractors, Bordwell & Zimmerman, Ukiah. Contract price, \$11,500.

SCHOOL—1 story, concrete, \$13,260. Yuba City, Sutter Co. Architect's name

not given. Owners, Yuba City School District. Contractors, Barton & Hite 1812 L street, Sacramento. Contract price, \$13,260.

OPEN FIGURES FOR NATIVE SON'S HALL

Sacramento Lodge Reelives Many Figures for New Building Designed by Architect Washington J. Miller.

SACRAMENTO, CAL. — Bids were opened Monday for the construction of the four-story and basement Class A Native Son's Building, which is to be erected at the corner of 11th and J streets. Plans for the building were prepared by Architect Washington J. Miller, San Francisco. No awards of contracts have yet been made. Following is a complete list of the bids received:

General Construction.

Knowles & Mathewson, Cal Bldg., S. F.	\$139,778
Mathews Constn Co., Sac.	140,000
McGillivray Constrn Co., Sac.	140,700
C. J. Guth, Sacramento.	142,000
Cal. Constrn Co., Sac.	142,496
H. S. Williams, S. F.	144,600
Val Franz & Son, S. F.	147,000
Lange & Bergstrom, S. F.	148,878
McLeran & Peterson, S. F.	154,350
W. D. Henderson, S. F.	155,100

Painting.

V. J. Donovan, S. F.	\$4,200.00
Isidor Kissel, S. F.	3,750.00
L. Zelinsky, S. F.	3,940.00
H. Maundrell, S. F.	3,310.00
D. Zelinsky, S. F.	3,013.00
Chappell & Labhard.	5,250.00
Llewellyn & Co., Oakland.	4,350.00
Schneider, Chappell & Jones*	3,294.50

Tile Work.

W. W. Montague & Co., S. F.	\$460.00
Mangrum & Otter, S. F.	337.50
Cal. Tile Constn Co., S. F.*	363.00
Holloway Ex. Metal Co., S. F.	460.00

Terrazzo Work.

F. L. Maino & Co., S. F.	\$1,280
--------------------------	---------

Plumbing Work.

Latourrette-Fical Co., Sac.	\$10,300
Hateley & Hateley*	9,897
F. W. Snook & Co., S. F.	10,950
J. E. O'Mara, S. F.	12,650
Turner Co., S. F.	12,310
J. T. Connor	12,800
J. H. Cummings	11,500
H. Dixon	14,211
Cowles Co.	11,648

Tin and Galvanized Iron Work.

Ahl & McLaughlin	\$9,638
Porderer Cornice Works, S. F.	8,393
Guilfooy Cornice Works, S. F.	8,464
Conlin & Roberts, S. F.	8,373
W. Heidt Cornice Works, S. F.	10,682
Capitol Sheet Metal Works, Okd	9,833
U. S. Metal Steel Prod. Co., S. F.	10,054
Sinclair & Bessey*	8,225
Latourrette-Fical Co., Sac.	9,000

Brick Work.

Farrell & Reed, S. F.	\$8,400
White & Glour, S. F.	7,989
Meeley & Collins, S. F.	9,500
P. J. O'Brien	7,800
F. H. Betz, Sac.*	7,515
Cummins Constn Co.	9,250
C. Miles	7,945

Heating and Ventilating.

Hateley & Hateley,	\$14,397
Kiernan & O'Brien	18,155
Mangrum & Otter	16,042

Scott Co. (H. H. H. H.)	17,760
J. E. O'Mara	17,200
Turner Co.	16,920
J. C. Hurley Co.	16,427
Latourrette-Fical Co., Sac.*	13,500
Cowles & Co.	14,198

Electric Work.

Turner Co.	\$6,530.00
H. S. Tittle	8,642.00
Decker Elec. Const'n Co.	7,106.00
Hetty Electric Co.	7,395.00
Newberry Electric Co.	7,372.00
Cal. Mechanical Electrical Engineering Works	7,877.05
Elec. Supply Co., Sac.	6,817.00
McFell Electric Co.	6,485.00
Latourrette-Fical Co., Sac.*	5,700.00

Lathing and Plastering.

Knowles & Mathewson, S. F.	\$15,000
Cummings Const'n Co., S. F.	14,175
Lyden & Bickel, S. F.	14,000
Floodberg & McCaffery, S. F.*	12,880
T. J. Pennish	15,891
C. C. Morehouse, S. F.	15,460
Jas. F. Smith, S. F.	13,400
Geo. M. MacGruer, S. F.	16,945
Alex Mennie, S. F.	15,400

Ornamental Iron Work.

Monarch Iron Works	\$3,370
Cal. Artistic Metal & Wire Wks	2,460
Vulcan Iron Works	2,372
Rudgegar-Merle Co.	3,060
Fair Mfg. Co.	3,450
C. J. Hillard*	2,270

Concrete Work.

Clinton Fireproofing Co.*	\$36,750
H. L. Peterson	39,200
Barrett & Hilt	39,000

Carpentry Work.

G. A. Wendt	\$20,740
Knowles & Mathewson*	15,000

Stone Work.

California Granite Works	\$2,097
Colusa Sandstone Co.	2,081
J. D. McGillivray & Co.	2,185
Carlaw Bros., Sacramento*	1,620

Marble Work.

Vermont Marble Works, S. F.	\$4,430
A. Carlaw, Sacramento*	3,660
Mission Marble Works	5,100
Jos. Musto Sons-Keenan Co.	3,980
American Marble & Mosaic Co.	3,700

Terra Cotta.

Gladding-McBean Co.	\$5,540
C. Miles, Sacramento*	4,980
N. Clark & Sons	6,100
F. H. Betz*	5,885

Roofing.

H. W. Johns-Manville Co.	\$715
Capitol Roofing & Supply Co., Sac.*	580
E. S. Warner	624

BUILDING CONTRACTS**SACRAMENTO COUNTY.****REMOVAL**

UPPER STOCKTON ROAD. County of Sacramento. All work of moving 2-story frame detention home to new location, County Hospital site.
Owner.....County of Sacramento.
Architect....None.
Contractor.....William T. Murcell, Ochsner Bldg., Sacramento.
COST, \$10,120

GARAGE

NO. 1203 K ON LOT 8, BLK J, K, 13th and 14th, Sacramento. All work for three-story brick automobile service building.
Owner.....John Ochsner, Ochsner Bldg., Willys-Overland of California, lessee.
Architect....None.

Contractor. Wm. T. Murcell, Ochsner Bldg., Sacramento.
COST, \$44,050

RESIDENCE

HANCROFT WAY, LOT 480, W. & K. Tract 19, Sacramento. All work for one-story frame residence (5 rooms).
Owner.....Michael Peterson et al., 1320 30th, Sacramento.
Architect....None.
Contractor.....H. G. Birdsall, 2811 T, Sacramento.
COST, 2,000

STORE

NO. 4800 J ON 0.51 ACRE TRACT in Arcadia, Sacramento. All work for one-story Denison tile store.
Owner.....G. W. Condon, 4804 J, Sacramento.
Architect....None.
Contractor.....I. L. Johnson, 827 Walnut avenue, Sacramento.
COST, \$1300

REMODELING

NO. 926 THIRD, Sacramento. Remodel store front.
Owner.....Fong Lee Co, lessee premises.
Architect....None.
Contractor.....Barton & Hite, 1006½ 9th, Sacramento.
COST, \$400

GARAGE

NO. 2121 J on E 37 feet, lot 6, Blk. I, J, 21st and 22nd, Sacramento. All work for private garage.
Owner.....Song Hing, 725 J, Sacramento.
Architect....None.
Contractor.....Edward Woodward, 1015 I, Sacramento.
COST, \$400

NO. 905 K, Sacramento. Erect electrical sign at store.
Owner.....A. L. Hartman, lessee.
Architect....None.
Contractor.....The Brumfield Electric Sign Co., 18 7th, S. F.
COST, \$900

UPPER STOCKTON ROAD. All work for two-story reinforced concrete frame building with Denison tile walls to be known as Women's Building in State Fair Grounds.
Owner.....State of California.
Architect....George B. McDougall, Forum Bldg., Sacramento.
Contractor.....McLaren & Peterson.
COST, \$23,950

STORE

NO. 1630 O ON E ½ OF N ½ LOT 4, Block O, P, 16th and 17th, Sacramen-

to. All work for one-story brick store building.
Owner.....Mary J. Whitman et al., 1008 8th, Sacramento.
Architect....None.
Contractor.....C. J. Ettel, 1515 23rd, Sacramento.
COST, \$3500

REPAIRS

GEO. A. MEISTER 115-ACRE TRACT. All work to move and repair barn.
Owner.....Albert Meister.
Architect....None.
Contractor.....G. W. McKay, 1018 T, Sacramento.
COST, \$500

PAVING

J FROM A PT ABOUT 30 FT W OF W line of 31st street to and including the curve on Hale avenue, East Sacramento and distant 5,550 feet, approximately 104,459 square feet.
Owner.....Pacific Gas and Electric Co.
Architect....None.
Contractor.....Clark & Henry Construction Co., Ochsner Bldg., Sacramento.
Filed Aug. 18, '16. Dated Aug. 15, '16.
COST, 7¼c per sq ft.

RESIDENCE

NO. 2123 FIRST AVE, LOT 16 WEST Curtis Oaks, Sacramento. All work for two-story frame residence. (7 rooms).
Owner.....W. B. Lewis, Oakland.
Architect....None.
Contractor.....Howard N. Williford, 5266 Manila avenue, Oakland, Cal.
COST, \$2500

MOVE AND REPAIR

NO. 623 "8" ON E 30 FT OF S ½ LOT 6, Blk R, S. 6th and 7th, Sacramento. Move dwelling to new location and repair same.
Owner.....C. Weirick, Lincoln, Cal.
Architect....None.
Contractor.....F. H. Artz, 1411 E, Sacramento.
COST, \$400

RESIDENCE

LOT 1283 WRIGHT & KIMBROUGH Tract, Sacramento. All work for 5-room residence.
Owner.....Alex B. Cahappe, care of Wright & Kimbrough, 517 J, Sacramento.
Architect....None.
Contractor.....H. G. Birdsall, 1924 Wheeler avenue, Sacramento.
COST, \$2110

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

MARBLE WORK

SW TENTH AND K, BLK K, L, 9th and 10th, Sacramento. Marble work for alterations and additions to Hotel Land.

Owner.....Nettie E. Evans.
Architect....E. C. Hemmings, 1023 J, Sacramento.
Contractor..American Marble and Mosaic Co., 25 Columbia Square, S. F.
Filed Aug 22, '16. Dater July 29, '16.
COST, \$1583

ORNAMENTAL IRON WORK on above.
Contractor..C. J. Hillard Co, 19th and Minnesota, S. F.
Filed Aug. 22, '16. Dated July 26, '16.
COST, \$1313

PAINTING AND DECORATING of 1st story on above.
Contractor..A. G. Disi, 9906 Valjejo, San Francisco.
Filed Aug. 22, '16. Dated Aug. 9, '16.
COST, \$1250

GLAZING on above.
Contractor..W. P. Fuller & Co., 301 Mission, S. F.
Filed Aug. 22, '16. Dated July 16, '16.
COST, \$2099

RESIDENCE
NO. 1224 E ON W 1/2 LOT 4, E, F, 12th and 13th. All work for one-story frame residence.
Owner.....Sam Verlandi, 1224 E, Sacramento.
Architect....None.
Contractor..C. Valine, 2417 E, Sacramento.
COST, \$1500

REPAIRS
NO. 328 L ON PTN LOT 4, BLK L, M, 3rd and 4th, Sacramento. Repair building.
Owner.....Smith & Schmidt, 1237 Polk, S. F.
Architect....None.
Contractor..Peter Leoni, 1330 Y, Sacramento.
COST, \$450

SURGICAL WARD
PROPERTY OF SACRAMENTO COUNTY Hospital. All work for two-story class "A" surgical ward of concrete and tile construction.
Owner.....County of Sacramento.
Architect....R. A. Herold, Forum Bldg., Sacramento.
Contractor..Mathews Construction Co., Forum Bldg., Sacramento
COST, \$37,477

RESIDENCE
NO. 1431 W ON S 1/2 OF E 1/2 OF LOT 5, Blk W, W, 14th and 15th, Sacramento. All work for one-story frame residence (5 rooms).
Owner.....Emily Valine, 2417 E Sacramento.
Architect....None.
Contractor..C. Valine, 2417 E, Sacramento.
COST, \$1506

LOS ANGELES AND SOUTHERN CALIFORNIA

SEWER CONSTRUCTION—Cost not stated. Riverside, Riverside Co., Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. Bids will be opened on September 5th at 10 a. m. for constructing a Sanitary sewer, in-

cluding manholes, to be constructed along Garfield street, Van Buren street, Hayes street and Jackson street. The size of the sewer pipes shall be: Jackson street, 8 inches; Garfield street, 14 inches; Van Buren street, 8 inches; Hayes street, 6 inches. The material shall be vitrified, salt-glazed sewer pipe, brick, iron and mortar.

STREET IMPROVEMENTS—\$25,000. Santa Barbara, Santa Barbara Co., Cal. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. F. R. Ritchie, Chronicle Bldg., San Francisco, submitted the lowest bids on three paving jobs for this city, and while the City Council had not awarded the contract, it is probable that favorable action will be taken on these bids. There were two firms bidding on each item, F. R. Ritchie and the Municipal Improvement Co.

BRIDGE—Steel and reinforced concrete, \$124,650. Santa Ynez, Santa Barbara County, Cal. Engineer, State Highway Commission, Forum Building, Sacramento. Owners, State of California. Mercer-Fraser Company, Eureka, presented the lowest bid for this work at \$124,650 and will probably be awarded the contract. A complete list of the bids received will be found under the heading of Los Angeles and Southern California, in this issue.

SCHOOL—1 story, brick and frame. Cost not stated. San Marcos, San Luis Obispo Co., Cal. Architect, none. Owners, San Marcos School District. Will contain four class rooms. Plans complete and figures being taken.

HIGHWAY CONSTRUCTION. Cost as follows: Riverside, Riverside Co., Cal. Engineer, County Surveyor, Riverside. Owners, Riverside County. At the last meeting of the County Supervisors two bids were opened for the contract of concreting the Scully ranch section that of the Connor Co. of Los Angeles, 10,136.29, and that of H. E. Cox of Pasadena, \$12,226. A third bid from the Ishell Contracting Co., Venture, arrived too late to be considered. After considering the bids the Board rejected them as being too high. The county was to have furnished the material for the work.

**BRIDGE FIGURES OPENED
BY HIGHWAY COMMISSION.**

Mercer-Fraser Co. Will Probably Build New Highway Bridge Over Santa Ynez River.

(By Special Wire.)
SACRAMENTO, CAL.—Aug. 21, 1916.—Nine sets of figures were opened today by the State Highway Commission for constructing a steel and timber bridge consisting of five spans over the Santa Ynez River in Santa Barbara County. The Engineer's estimate for the work was \$130,397, while the Mercer-Fraser Co., Eureka, presented the lowest bid at \$124,650.

All bids were taken under advisement. A complete list of the bids received follows:

Santa Ynez Bridge.
Mercer-Fraser Co., Eureka....\$124,650
W. M. Ledbetter, L. A.....133,480
George E. Preble, Santa Ana...133,218
Smare-Chist, New York.....131,969
F. M. Kearns, Long Beach....149,000

Mesmer-Rice Co., L. A.....134,000
Ross Const Co., Sacramento...143,700
Mercereau Bridge Co., L. A....143,073
Midland Bridge Co., Kansas City, Mo.,118,970

PORTLAND AND OREGON

SCHOOL—1 story and base, brick and concrete. Cost not stated. Gardiner, Oregon. Architect, Charles Burggraf Albany, Oregon. Owners, City of Gardiner. Will cover an area of 100 by 108 feet. Plans being prepared.

APARTMENT HOUSE—3 story and base, brick, \$30,000. Portland, Oregon. Architect, none. Owner, T. A. Sutherland, 1084 Hawthorne avenue, Portland. Location, Irvington District. Will cover an area of 100 by 100 feet. Plans completed and figures being taken.

POST OFFICE—4 story and base. Class A construction, \$1,000,000. Portland, Ore. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, United States Government. Contractors: Grant Fee, 2210 16th street, S. F., general construction, \$762; J. F. Shea, Portland, plumbing and heating, \$76,138. Electric work, Ne-Page-McKenny Co., Pitlock Block, Portland, electric wiring. Contract price not stated.

SEATTLE AND WASHINGTON

APARTMENT HOUSE—4 story and base, brick and steel, \$50,000. Tacoma, Wash. Architect, P. C. Creso, Spanway. Wash. Owner, P. C. Creso. Location, Ninth and E streets, covering an area of 65 by 120 feet. Will contain 90 apartments of 2 and 3 rooms. Plans complete and work to be done by Day Labor.

Contracts Awarded.

FACTORY—3 story and base, reinforced concrete, \$35,000. Seattle, Wash. Architect, none. Owners, Washington Mattress Co. Contractors, Ferre Concrete Construction Co., Empire Bldg., Seattle. Contract price, \$35,000.

FACTORY BUILDINGS AND WHARF—2 and 5 story, reinforced concrete, \$250,000. Seattle, Wash. Architect, Engineering Dept., American Can Co., New York City. Owners, American Can Co. Contractors, A. W. Quist & Co., Hoge Bldg., Seattle. Contract price, \$250,000.

PRESIDENTIAL ELECTION WILL NOT AFFECT BUSINESS.

Wheat Production Will be Less Than 1915 bumper Crop but Only Slightly Under the Ten Year Average. Manufacturing is Reported to be in Excellent State Practically Everywhere With Factories Full of Orders and the Products Commanding High Prices.

WASHINGTON, August 13.—With the buying mostly for immediate needs and apparently little speculation there appears to be almost an entire absence of any concern as to the effect upon business either of the Presidential election, the possible coming of peace in Europe, or any other factors of possible disturbance. Such is the opinion expressed by the Committee on Statistics and Standards of the Chamber of Commerce of the United States, of which A. W. Douglas, of St. Louis, is the chairman. According to this authority

campaign year need not be regarded with apprehension by the industrial and commercial interests of the country. The total yield of winter wheat will be approximately between 465,000,000 and 475,000,000 bushels. The quality is most excellent. As a whole harvesting was done under generally favorable weather conditions.

Probable Total Wheat Harvest Slightly Under Ten Year Average

It seems likely, the Chamber of Commerce experts declare, that the total wheat crop of 1916 will be approximately thirty per cent less than the yield in 1915, and slightly under the average for the past ten years. It must be remembered, however, the committee points out, that the 1915 yield was a record production. An estimate of the final production of corn, due to the varied weather conditions is largely approximate at best but it does not seem likely at this time, the committee reports, that it can be less than 2,700,000,000 bushels and it may run as high as 2,850,000,000 bushels, or approximately the average yield for the past ten years. * * *

Plenty of Orders for the Busy Factories.

Manufacturing is practically everywhere in excellent condition with factories full of orders, the committee reports, labor fully employed and the products commanding high prices. The only exceptions are where strikes prevail.

The lumber industry varies from poor to good in different sections, according to various local conditions. On the Pacific Slope complaint is made of lack of export market and of shipping facilities, while in the southwestern portions of the country the story is the lack of orders in some cases and in others the lack of cars to move the product. As a whole the industry is in better shape than for many years.

Oil and gas is distinctly in good condition, despite recent declines in the price of crude oil. Naval stores, turpentine and resin are suffering from lack of demand because of the European war. This is likewise true of the phosphate mines in Florida.

Building Industry in Excellent Shape.

Stone and marble quarries of all description are very busy. This is not true of slate which is generally dull. Mining of all kinds, in general, is in excellent shape. The principal exceptions to this are coal mines suffering here and there from strikes or lack of demand. In Southwestern Missouri and the neighboring sections of Arkansas, zinc and lead mines are feeling the result of the recent drop in the price of these metals. Fisheries in general are good in New England, moderate further South along the Virginia and Carolina coast, and only fair on the Pacific slope.

The building industry is reported to be in generally excellent shape. It is, in the opinion of the committee, the best barometer of general business since building in the country districts means the extensive use of materials in almost every line of commercial business. Despite the high price of material, the committee report concludes, the building outlook continues good.

Public Employment Bureaus of State of California.

The Public Employment Bureaus of the State of California did more business during the first six months of their existence than had been estimated for the entire first year. This shown by the first semi-annual report just issued by State Labor Commissioner John P. McLaughlin. Since February 1, the state bureaus of San Francisco, Oakland, Sacramento and Los Angeles filled 20,962 positions and thereby saved the employees \$41,924, which they would have had to pay to private employment agencies if the state was not in the employment business. Because the efficiency of the state bureaus is being daily demonstrated, their popularity with both the employee and the employer is steadily growing, 23,425 men and women have applied for positions and 11,025 applications for employees have come in, the total number of employees desired being 25,173.

There is a steady increase in business not only from among private employers but also from leading companies and corporations. The "repeat" orders for employees are especially large, showing that the bureaus' ability to choose suitable employees for all grades of work is being recognized. The bureaus' out-of-town business continues to go forward by leaps and bounds, farmers, ranches, summer resort owners, millmen, miners, public utility companies, etc., finding the state employment service of great value.

During July, there were 3,648 applicants for employment at the four state bureaus. 2,170 applications for 6,132 employees came in during this month and 4,869 men and women obtained positions. There were more applications for employees during July than during any preceding month, July heating June by 341.

An interesting feature of the July business is that the bureau furnished 903 more out-of-town than in-town positions, the total out-of-town positions being 2,886 and the total out-of-town orders for employees 915. The out-of-town positions were divided as follows: San Francisco, 745; Oakland, 40; Sacramento, 471; Los Angeles, 1,630.

The San Francisco bureaus have furnished 8,178 positions during the past six months, 6,453 to men and 1,725 to women. 9,700 men and 5,236 women have applied for work during this period. There have been a total of 4,995 orders for employees requesting 10,536 employees. During July, there were 5,236 applications for employment, 1,295 orders for 2,439 employees and 1,725 positions filled by the San Francisco bureaus.

Since February 1, the Sacramento bureau filled 2,495 positions, 747 during July, 3,868 men and women have registered for employment during this period. During July 801 asked employment and 340 applications came in for 959 employees.

At the Oakland bureau, 4,621 have registered for employment during the past six months and 3,110 positions have been filled. During July, this bureau found employment for 737 men and women and there were 541 applications for work. During this month, 729 orders were received for 994 employees.

The Los Angeles bureau has found employment for 7,179 men and women since its organization, February 1. Of this number 1,630 found work at this bureau during July. The orders for employees totaled 346 and the number of employees wanted was 1,740, last month.

The superintendent of the four employment bureaus is C. B. Sexton. The managers of the bureaus are as follows: San Francisco, men's bureau, W. M. Collins; San Francisco, Women's bureau, Miss N. V. Longtin; Oakland, Mrs. Helen Power; Sacramento, men's bureau, F. E. Stahl; Sacramento, women's bureau, Miss Anna E. Purdy; Los Angeles, H. C. Donoho.

PUBLIC OPINION SAVES GIANT REDWOODS.

SACRAMENTO, Cal., Aug. 15.—How public opinion saved a grove of giant redwoods from the woodman's axe is recorded in the files of the State Corporation Department.

Recently the Reyes Lumber Company secured an option to purchase the famous Armstrong Woods situated near Guerneville, Sonoma County, intending to erect a sawmill and fell timber for the market. The company proposed to sell stock principally to the lumber dealers of Sonoma County to raise the necessary funds with which to carry out its plans.

Commissioner of Corporations H. L. Carnahan has now been advised by the company that it has been unable to sell its shares. Prospective investors in the enterprise, reports the company, feared a boycott of their own business by the people of Sonoma County, who were interested in saving the grove which has been a mecca for thousands of visitors to the Russian River section, if they aided in its destruction.

The company proposed to meet this condition by reserving sixty acres of the woods for public use, providing that the public would subscribe \$12,000 for such purpose. The option held by the company, however, has expired and it is unable to secure an extension.

PORT IMPROVEMENTS IN THE MAGDALENA.

Plans for the improvement of the port of Girardot, in the Magdalena River, are to be put into execution in accordance with a law enacted in 1913. The President of Colombia has appointed an honorary board in the city of Girardot, which, with the assistance of a qualified engineer, will supervise the port works in conformity with plans approved by the Minister of Agriculture and Commerce. A fund for the improvement of this port and others in the upper Magdalena is provided by a special assignment of 20 per cent of the fluvial tax, which was authorized in 1887, according to the Diario Oficial of June 19.

Girardot is of particular importance as a shipping point, because it is the only port connected by rail with the city of Bogota, and, moreover, it connects with the Tolima Railway, which runs to Espinal. In the event of the realization of Colombia's plan to join the Tolima and Pacific Railways by a line across the Andes, Girardot would have the distinction of connecting the capital of Colombia with Buenaventura on the west as well as with Barran-

quilla on the north, and it would be a distributing port for imports for two seas.

Kellastone Stucco.

The Blake Plaster Company of Oakland has taken over the sale of Kellastone stucco for the northern Pacific Coast. This product has formerly been sold in the bay cities by the West Company of Oakland, who will still continue to look after the manufacturing end.

Kellastone is a nationally advertised plaster, and has been manufactured and sold in the east for ten years and in California for the last three years. It is used for outside stucco work, interior plaster, drainboards and flooring.

Kellastone is much superior to any cement plaster as it is fireproof, 93 per cent waterproof by test and has an elastic quality that enables it to stand many times more settling strain than cement without cracking.

For exterior work it is put on over ordinary wood lath nailed directly to the sheathing over a good quality of building paper and when properly applied one-half inch thick it will last indefinitely.

Unlike cement plaster, Kellastone does not contract but expands to the extent that it fits up tightly to window frames and casings and thus gets a very tight grip between the wood lath. This bond is much stronger than that secured by using cement plaster over metal lath, experience showing that the metal lath rusts out after a few years leaving nothing for the cement to bond to. Kellastone does not depend entirely upon the key between the lath, but has a peculiar property of gripping the surface of the lath.

The same method of preparation and application may be used in the overcoating of old buildings. A great deal of this is being done at present all over the country as it not only gives a new and pleasing appearance, but extends the life of the building and very much increases its value.

Kellastone flooring has no equal for office buildings, garages and the like where a durable, fireproof, sanitary floor is needed. It will stand very rough usage, yet is much more easy to walk on than other composition floorings, owing to its elastic, resilient properties.

It is ideal for drainboards, bath room floors and wainscoting, as it withstands moisture, is easy to keep clean and takes a smooth handsome finish.

The sale of Kellastone for outside stucco work is increasing tremendously on the Pacific Coast and throughout the east. The National Kellastone Company of Chicago have a large and rapidly growing business in the middle western states and are shipping their material as far east as New England.

There are some imitations of Kellastone in the field but none of them have stood the test of time.

The local company's office is at No. 227 Bacon Bldg., Oakland, and they solicit correspondence from architects and dealers on the northern Pacific Coast in regard to their product. Personal supervision will be given to buildings under construction where Kellastone is to be used.

MOLYBDENUM AND NICKEL DISCOVERIES IN CALIFORNIA.

In view of the interest in metals entering into war supplies, two concise reports of the Department of the Interior, written by F. C. Calkins, of the United States Geological Survey, on molybdenite and nickel ore in San Diego County, Cal., are timely. Mr. Calkins describes clearly the modes of occurrence of the ores and gives helpful suggestions for further development work and prospecting.

The molybdenum prospect is in a dike of fine grained granite (aplite) containing an average of much less than 1 per cent of the mineral molybdenite (molybdenum sulphide). Only one prospect has been located thus far, but the surrounding country is favorable for the discovery of others. The nickel deposit is an irregular body in a dark igneous rock (gabbro) and is shown by Mr. Calkins to have an origin similar to that attributed by most geologists to the famous deposits at Sudbury, Ontario. The nickel occurs in an iron-nickel sulphide (probably polymyrite) and assays more than 4 per cent of nickel have been obtained. Copper is also present in quantities ranging from a trace to 2.4 per cent, and conditions are favorable for the presence of platinum.

These reports are published together as Bulletin 640-D, which may be obtained free on application to the Director, U. S. Geological Survey, Washington, D. C.

ALTA CHROME SHIPMENTS.

ALTA.—During the last week there have been three carloads of chrome shipped from here, billed to Eastern points. The ore is from the property of J. R. Hodges and is being hauled by motor truck. A pack train is engaged in bringing chrome from Green Valley on the American River, to Towle for shipment. The shipments are being made by the Manganese Co. of California, San Francisco. Manganese is also being packed from the deposits of D. J. Sullivan, near Bear River, and a carload soon will be ready for shipment.

THE ELEPHANT BUTTE DAM.

EL PASO, TEX.—President Wilson will start the waters of the Rio Grande flowing through the spillways of the great Elephant Butte dam on October 14. It will bring in 200,000 acres of fertile lands in the chain of valleys in New Mexico, Texas and Old Mexico. The Elephant Butte dam is a mass of concrete and steel thrown across the Rio Grande on the desert of New Mexico at the point where a great rock formed like the head and body of a mastadonic elephant, seems to drink from the river. This giant impounding dam has formed the largest irrigation reservoir in the world. More than 45 miles in length and 8 miles across, the lake stores the melted snows of the Colorado Mountains.

NEW THEATRE IN VANCOUVER.

VANCOUVER, B. C. — Excavation work is underway for a theatre building to replace the present Pantages Theatre in this city, in which bookings of the Pantages Circuit are shown. It will have a frontage of 103 feet, a seat-

ing capacity of about 1,800, will cost in the neighborhood of \$265,000, and be modern in every respect. The exterior will be finished with white glazed terra cotta in Italian renaissance style. The ventilation system will be so arranged that the air in the building will be ice washed during the summer months, have an extra distribution, and be changed every two minutes. Especial attention will also be paid to the accessibility of the balcony and gallery. It is expected that the new theatre will be opened about December 1, 1916. The manager of the theatre is A. W. Gillis, Pantages Theatre, Vancouver, B. C.

VLADIVOSTOK A FIELD FOR AMERICAN EXPORTS.

Vladivostok seems to offer an attractive field for American exports. Almost everything that is produced in American mills and factories and on American farms is needed and would be eagerly bought in this city and its vicinity, if it could be placed there at reasonable cost. Merchants and importers, buyers in the shops, people in the hotels and in the streets inquire about American goods and American plans to take advantage of the great opportunity offered by the European war to supply goods that cannot now be produced in Europe.

The port is now open the entire year, ice-breakers keeping a free channel to the high sea. Vladivostok is becoming increasingly important as a great entrepot for European and Asiatic Russia, as well as for central Asia and southeastern Europe.

It is though by the best informed men in this part of Siberia that years must elapse, after the conclusion of the present war, before Russian manufactured goods can compete with those from foreign countries. Ample time will be allowed in which American manufacturers and exporters, if they are alert and aggressive, can occupy and hold a large portion of this rich and expanding territory.

Presents Opportunity for an American Bank.

As banking facilities are not advanced, the best Russian firms are willing at present to pay cash for all purchases, although the Germans and English were very accommodating in granting credit. It would seem to be an excellent field for the establishment of an American bank. A good system of finance and credit here, in the hands of Americans, would probably prove profitable in itself and of great value to American trade.

Vladivostok is a city of some 100,000 population and is growing rapidly. It is thoroughly modern and progressive, and is the distributing point for a large and rich territory.

Things needed at present in Vladivostok are many. A few may be mentioned. Gloves of leather or cloth are in great demand. There are few or none in most of the large shops. It is not advisable to send silk or embroidered gloves. Hosiery for men and women is needed. There is particular demand for fine grades. Japan is sending some hosiery, but it is not gaining a wide market.

Ready-made suits for men and women are in demand. The prices of Russian goods, inflated by war taxes,

are very much above the prices for which equal goods from the United States could be sold at Vladivostok. Since the Russian depends for warmth upon fur outer clothing, light weights are preferred—about the weight used in the United States in the autumn and early spring.

Overalls, etc., meet with favor. Very cheap American goods are now being sold to the fishermen and common laborers, and a large trade could be worked up. American shoes are in favor in this part of the Far East.

American Machinery Improperly Packed.

Machinery, especially motors and farm implements, is eagerly sought. Every ship from the west brings in some of this cargo for Vladivostok, and the docks at this city and at Tsugura are crowded with shipments from the United States for the factories and farms of Siberia. Much of this machinery was so insecurely packed that it was likely to be broken or injured on the voyage, and so exposed as to be liable to rust on the way from the United States to eastern Siberia. It was packed as if for a journey between the factory at home and some near suburb, instead of an ocean voyage of thousands of miles during which it is subjected to as rough usage as is possible even on the high seas.

Among the demands of the Vladivostok field are those for salesmen and samples of American clothing and clothing materials. In every shop the inquiry has been made: "Will your exporters send us samples? We can do nothing without samples. The Germans and English sent us all the samples we needed." In the Far East, the United States supplies the styles, while other countries supply the material. They take American fashion plates, and make clothes of British or German cloth. The United States could furnish the material, also, and the ready-made clothes, if it went after the business as others have gone after it. Salesmen, also, would find Vladivostok a profitable field. Agents, importing houses, branch houses, etc., are needed.

Shops Transact Large Volume of Business.

There are many prosperous shops in Vladivostok, which would repay the investigations of salesmen on the spot, and the volume of business transacted is remarkably large, even in time of war. The demand is so great and so rapidly increasing that traffic continues even under the most unfavorable conditions. The war has already advanced prices by 10 to 100 per cent, but this has not seriously affected the growth and prosperity of the city.

The principal stores in Vladivostok handling wearing apparel are eager to receive samples and information concerning prices, styles, terms, etc.

[A list of the stores in Vladivostok can be obtained at the Bureau of Foreign and Domestic Commerce, Customhouse, San Francisco. Refer to file No. 950.]

FIRM IN CHINA SEEKS HEATING-PLANT AGENCY.

A firm in Hankow, China, has stated to the American consul general, Edwin S. Cunningham, its desire to obtain an agency for American plumbing and heating plants. In accepting such an

agency it would expect the manufacturer to send out a competent and reliable American thoroughly acquainted with the work. "We would be prepared," it states in a letter, "to pay half his salary while he was out here, on a time contract of say three or five years, as well as a small interest in the business in the way of a commission on all his sales and on all orders taken by the firm in this particular line. We would expect the agency firm in America to pay his passage out to China, in consideration of our placing all our orders for materials, etc., through them, and on the termination of his contract would agree to pay his passage back to the States.

The name of the firm in Hankow mentioned may be obtained from the Bureau of Foreign and Domestic Commerce, Customhouse, San Francisco. Refer to file No. 78706.

LIGHT AND FOG-SIGNAL STATION FOR PACIFIC COAST.

The sundry civil act, approved July 1, 1916, appropriated \$80,000 for establishing a light and fog-signal station at Point Vicente, Cal. Point Vicente is the most prominent point on the California coast between Point Loma and Point Conception, a distance of 220 nautical miles. There is at present an unlighted gap of 32 nautical miles on the usual course of coasting vessels, between Point Hueneme and Point Fermin light stations, which will be broken up by the proposed station. This light will serve the increased traffic due to the opening of the Panama Canal.

The work contemplated to carry out the provisions of this appropriation consists of the erection of a tower, including the acquisition of a site and providing a water supply, the installation of illuminating and fog-signal apparatus (the latter in a separate building), the construction of dwellings for three keepers, and the construction of outbuildings, fences, oil storage, piping, and necessary accessories.

Instructions have been given by the United States Lighthouse Service that the work be proceeded with as promptly as possible.

"THE EXTENTE CORDIALE."

F-W-D- Trucks the Subject of Diplomatic Representation.

Old Petrarch once said, "We cannot so act as to please all the world."

Fortunately or unfortunately the Four Wheel Drive Auto Company of Clintonville, makers of that now world famous F-W-D Truck, is having its share of super-abundance of popularity.

It has gone so far as to affect the gaiety of the nations, and even farther for some of them have become peeved because the others have been trying to monopolize this indispensable and unfailing transporter of heavy guns and munitions of war over the almost impossible fields of conflict at home and abroad.

Two of the contestants had signed contracts for the entire output of F-W-D Trucks for months ahead.

Meanwhile the U. S. Government, having discovered how indispensable these trucks were in operations in Mexico, commandeered the entire out-

put of the factory, which caused such an explosion in diplomatic circles abroad that the foreign representatives of these governments at Washington made it the subject of a diplomatic discussion between themselves and the U. S. Government officials, resulting happily in a compromise wherein all contracts are to be carried out as originally planned.

The triumphal march to world fame of these Monarchs of the Road, the F-W-D Trucks, is a tremendous asset for the makers whose plant has had to be enlarged again and again to meet the increasing demand for these trucks whose use in war as well as in peace has demonstrated the correctness of the four wheel drive principle and established them upon a pinnacle of popularity from which they will never be dislodged.

First in war, first in peace, first in the hearts of truck drivers and owners, in all parts of the world, where they are doing duty—a record of achievement reflecting credit alike upon their makers and their country.

CHEMICAL PRODUCTION WORKS.

BAKERSFIELD, CAL. — Establishment of a big chemical reduction works in Bakersfield to handle minerals such as antimony, chrome, arsenic, barium and magnesite, is planned by Dr. W. L. Smith of the Mineral Resources Co., financed by Kansas City and Chicago capitalists, if a five-year contract for fuel gas can be obtained from the Valley Gas Co. The plant would require at least 1,000,000 feet of gas daily and that cheap gas would be the inducement to locate in Bakersfield.

Properties of the Calcium Silicates and Calcium Aluminate Concerning in Portland Cement.

It has been shown comparatively recently that the constituents of Portland cement of normal composition and normal burning are tricalcium silicate, dicalcium silicate and tricalcium aluminate. The present investigation was undertaken to show what part each of these played in developing the physical properties of this material. By the use of small amounts of boracic acid and chromium oxide as "mineralizers," the two silicates were prepared in a fair condition of purity and in amount large enough to permit of the making of neat and standard sand mortar test pieces. These test pieces were broken over a period of one year. The rate of setting and of hydrating was also studied, the latter both chemically and microscopically. The results show that the aluminate sets and hydrates almost immediately on the addition of water, but never attains a strength much over 100 pounds per square inch; the dicalcium silicate takes several days for setting and at the end of one year contains but 5.5 per cent water of hydration. It has practically no strength at seven days, but at the end of one year has a tensile strength of 600 pounds per square inch. The tricalcium silicate has all the properties of Portland cement, both in regard to setting and attaining strength.

Mixtures of either silicate with aluminate and with the aluminate and plaster, and of both silicates with the aluminate and plaster, were also studied. The effect of the aluminate

was more marked on the setting properties, as was also the case with the plaster additions; the effect of either of these two additions on the strength of either silicate or a mixture of the two was not very striking, in general not materially changing the strength of the silicate.

Copies of this report, Technologic Paper No. 78, will be ready for distribution in a few days and may be obtained without charge upon application to the Bureau of Standards, Washington, D. C.

AMERICAN MINERAL WAX.

The American need for ozokerite (a substance commonly known as mineral wax) has heretofore been largely met by imports from the mines in Galicia Austria, but as the war in Europe has seriously affected ocean transportation, interest in the domestic supply of this material has been stimulated. In order to obtain information regarding the deposits of ozokerite in Utah, the principal deposits in this country, a geologist of the U. S. Geological Survey, Department of the Interior, examined, in September, 1914, the deposits near Soldier Summit and Colton, in the central part of the State.

As described in the resulting report by H. M. Robinson the ozokerite is found in fissures and brecciated zones, principally in the Wasatch formation, of Eocene age. Tests made by the Bureau of Mines on six samples show their specific gravity, solubility, melting point, and the fractional distillates they yield, and it is suggested that by boiling crude ozokerite with strong denatured alcohol a commercial separation of the refined product ceresin may be made. On account of the irregular distribution of the ozokerite no safe estimate can be made as to the quantity of undeveloped ozokerite, but the quality, as far as the melting point is concerned, compares favorably with the Austrian product and the market conditions brought about by the war in Europe offer exceptional opportunities for the development of Utah ozokerite.

Ozokerite is a nonconductor of electricity and is extensively used for insulating. Candles made from ozokerite have superior qualities. Much of the ozokerite mined is converted into ceresin, a highly purified product which is used to replace or mix with beeswax and has a variety of other uses. Ozokerite is also used as a foundation for various waxes and polishes; as a covering to protect metal surfaces from the action of moisture, acids or alkalis; and for wax figures and dolls.

A copy of the report—Bulletin 641-A—may be obtained free on application to the Director of the Geological Survey, Washington, D. C.

OIL-MIXED CONCRETE FOR ROAD BUILDING.

WASHINGTON, D. C.—Concrete as a road building material is of "perhaps more universal adaption than any other material now in use," said Director Logan Walter Page, of the office of Public Roads of the United States Department of Agriculture, recently. Concrete, as sized up by the department, has the following advantages:

1. Durability under ordinary conditions.

2. A smooth, even surface, not too slippery.

3. Practically no dust.

4. Is easily cleaned and maintained at small cost until patching or resurfacing becomes necessary.

5. A pleasing appearance.

6. Forms an excellent basis for other materials when resurfacing becomes necessary.

Its disadvantages are as follows:

1. Noisy under horse traffic.

2. Difficult to repair.

3. Cracks must be given prompt attention or deterioration will ensue.

Improved concrete for road building as well as for other purposes, that is proof against water absorption has been announced by the department in oil-mixed concrete.

After extensive experiments with a view to producing a non-absorbent concrete mixture, the department found that the addition of ten per cent of heavy, mineral oil to the Portland cement paste acted as an effective repellent to moisture. The susceptibility long been recognized as one of its inherent weaknesses as a road-building material.

The addition of the oil does not lower the tensile strength, the department

has found, and has the further advantage of making the mixture impervious to the destructive action of alkali salts.

AMERICAN "ICHTHYOL."

The current publication of the United States Geological Survey, Department of the Interior, on the production of asphalt and related bitumens in 1915 contains a brief note on the subject of Ichthylol. Prior to August, 1914, this asphaltic material, which is employed as an antiseptic medicant, was imported from Europe. It is derived from a bituminous rock, filled with fossil fish, that is found in the Austrian Tyrol. American imports had increased from 24,000 pounds in 1910 to 60,000 pounds in 1914, but dropped off last year to less than 25,000 pounds. In view of the inadequacy of the foreign supply to meet the domestic demand under present conditions, it is interesting to know that in this product, as in others, America has come to depend on its own resources. So far as known, there are in the United States no deposits of asphaltic material of the peculiar type from which ichthylol is derived, but American chemists have

New Building Laws

of

San Francisco

On Sale, 25c per Copy.

Daily Pacific Builder

560 MISSION STREET

Mail Orders Solicited. Send coin or postage stamps of 1 and 2 cent denominations.

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

San Francisco, Sacramento

Scenic Line

Regular - Fast - Electric train service between Bay Cities and points in the Sacramento Valley.

Thru beautiful Redwood Canyon and Mt. Diablo country.

Write for illustrated folder and time table.

Oakland, Antioch & Eastern Railway

L. H. RODEBAUGH
Traffic Manager
Oakland - Cal.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

solved the problem of supplying the domestic needs in this regard, and favorably recommended substitutes for ichthyol, prepared from domestic materials by synthetic methods, are now available in the markets.

The Geological Survey's general report on "Asphalt, Related Bitumens, and Bituminous Rock in 1915" is now ready for distribution. During the year the natural asphalt of all varieties sold at the sources of production in the United States aggregated 75,751 short tons, valued at \$526,490.

CONCESSION FOR WATER POWER IN PERU.

The Government of Peru has granted to the Hydroelectric Co. of the Canon del Pato, a concession for water power in the River Santa to be used for industrial purposes. The concession as published in El Peruano of July 1: grants water rights of 45,000 liters per second in a section of the river 500 meters above the confluence of the Santa with the Colcas for a distance of 25 kilometers, following the course of the River Santa. This water is conceded for manufacturing, and may not be used for any other purpose. Definite plans covering the utilization of the water must be presented before December 1 of next year, and the work must be completed within three years from that date.

To guarantee the fulfillment of its obligations in connection with this concession the company must deposit with the Peruvian Government before December 31, 1917, the sum of 20,000 pounds gold (pound equals \$4.8665) or its equivalent in national bonds. At least 50 per cent of the company's employees, technical men as well as laborers, must be native Peruvians. The company shall be governed according to the laws of Peru, and the concession cannot be transferred without Government permission. If all the section of the river conceded to the company is not utilized at the time specified, the Government may concede the unused part to another applicant. The Government reserves the right to expropriate the property of the company in accordance with terms set forth in the concession.

COUNTY COURT HOUSE AND HOSPITAL FOR TULARE COUNTY.

VISALIA, Cal.—Expenditure by the county for improvements and additions to county institutions close to \$200,-

000 is now under consideration. Committees are investigating plans and sites. The expenditures by the county include \$40,000 for a new county jail or improvements to the present structure; \$80,000 for a new hospital for the county and a like amount for a new hall of records.

A committee is now investigating sites for a new county hospital to replace the structure which has stood for a quarter of a century.

EUREKA'S BUILDING OPERATIONS.

EUREKA, CAL.—The report of Building Inspector Ira B. Thomson gives the building operations for July for Eureka as \$10,666.

FAST ELECTRIC TRAINS TO Sacramento

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland, Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2155 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 1735.

Cut this out and mail to-day

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News

560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____



Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 36.

Publication Office,
560 Mission St.

San Francisco, Cal., September 6, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,
Telephone Douglas 3111

San Francisco

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"
Automatic
Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS
Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 5941

THE
Safe Deposit Vaults
of the
BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fire and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and O'Connell

SAN FRANCISCO, CAL.



Anticipate your customer's request by suggesting that they have you install "Kzy-eta", the silent closet that cannot be heard outside the closed closet door.

Its a good way to build up your trade on the better grade of Plumbing Fixtures.

"Pacific"



Plumbing Fixtures

Showroom and Main Offices,
67 New Montgomery St.
San Francisco, Cal.

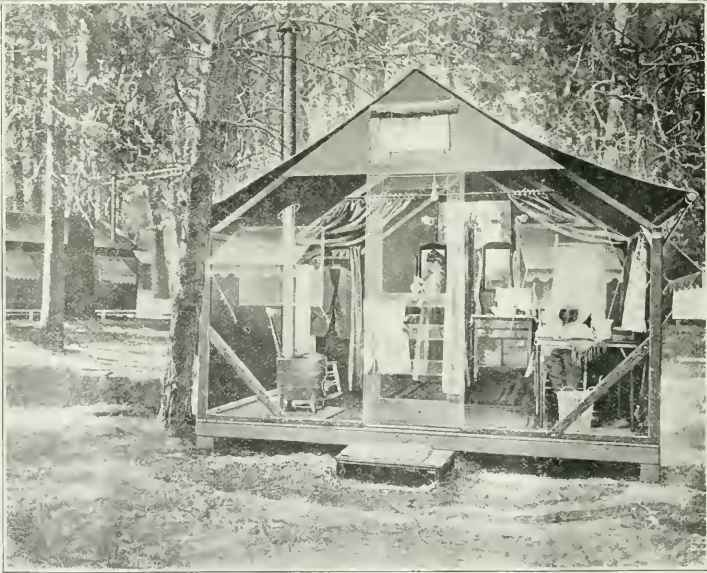
Factories,
Richmond
California.

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. September 6, 1916

Sixteenth Year, No. 36



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.
L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	1
Apartment Houses	2
Banks	4
Bonds	4
Bridges, Dams and Harbor Works	15
Churches	5
Editorial Comment	5
Factories and Warehouses	5
Pipe Report	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	23
Garages	5
Government Work and Supplies	5
Hospitals	6
Hotels	6
Irrigation and Reclamation Projects	6
Los Angeles and Southern California	25
Marin, Contra Costa and Sonoma Counties	22-23
Oakland and Alameda County	17-18-19-20-21
Portland and Oregon	26
Railroad Construction, Stations and Equipment	6
Residences	6-7
Sacramento, Stockton and Northern California	23-24-25
San Francisco	11-12-13
San Jose and the Santa Clara Valley	14-15-16-17
Schools	21-22-23
Sealed Proposals	9-10
Seattle and Washington	26
Sewers and Street Work	7-8-9
Stores	9
Theatres	9

UNDER SWISS SYSTEM ONLY YOUNG MEN WOULD SERVE.

Major-General Wood Says It Would Give Us a Citizen Reserve of 3,500,000 Men.

"In this country," testified Major-General Leonard Wood, before the House Committee on Military Affairs "we have in round numbers, a million men coming of age every year. That means possibly 500,000 fit for military training. To begin military service (that is training and liability to service in time of war) at 18 years of age, and terminate it at 25 years of age, you would have three and a half million men on whom you could depend, and that would be a force up to the limit of need in any ordinary war.

"Out of that force you could have organized certain military units—infantry, cavalry, artillery, field and coast engineers, reserves, etc. Every man ought to be used in that arrangement in the line of work for which he is best fitted.

Benefits Far More Than Equivalent to Service.

"The men in these organizations would be taken from the men within the period of obligatory service, let us say from 18 to 25. The procedure would probably be to permit such men as wanted to enter the organized unit of the reserve to do so, and in case any district failed to present its proper quota, the men would then be drawn by lot. All men liable to serve would have to take the chance of being drawn to fill up any units which were not filled otherwise. This liability would only last during the period for which they are liable to service. These organized units would correspond to the present militia except that they would be the organized units of a federal force. They should be paid a little something while at maneuvers and camps of instruction but not at any other time. Men not serving in these organizations and not engaged in any duties as instructors or otherwise will not receive pay. They would simply be performing their obligatory military service for the nation. The period would be brief and they would receive benefits far more than equivalent to the time they give to the nation."

Better Preparedness at Reduced Cost.

That last fact needs to be kept uppermost—the compensating benefits that would accrue to the individual youth from this training. Incidentally, the country would have a vast increase of preparedness and save money by the change.

"Under these circumstances," suggested Representative Hull, "we could maintain a large army at very much less expense?"

"Yes," replied General Wood. "Take the Swiss system. Their murder rate is about 12 per 1,000,000, against a rate of

124 per 1,000,000 here. Taking those figures into consideration it would seem that their military training has done some good. They are running their entire military establishment (or were when the European war started) on about \$7,000,000 a year. They could put 250,000 men into the line in 18 hours, and they would have 200,000 more in reserve. This has been done by means of the acceptance of the general principle that every man owes something to the nation's service. That is what we shall have to come to."

In a special letter, from the Military Training Camp at Plattsburg, to H. H. Sheets, Secretary and Treasurer and Founder of the Association for National Training, General Wood forwarded the following statement, which is most illuminating, and is presented in his usual forceful and convincing manner.

General Wood writes:

"Have we anything worth defending—country, religion, institutions, ideals, convictions, family? If we have do we intend to defend them? Have we training, equipment and organization to do it? Are we intelligent enough to realize that without training, equipment and organization we cannot meet with any hope of success, just as good men physically, intellectually and morally as we are, who in addition have training, equipment and organization?"

"This is the proposition in a nutshell. If we haven't anything worth defending, of course, we are not interested, but we have and we are going to defend them to the last. It behooves us to look the matter squarely in the face and decide whether or not we shall take those reasonable measures of preparation which will enable us to defend with some hope of success those things which we believe worth defending.

"The condition throughout the world today is one which indicates however much we may desire universal arbitration and however hard we may work for world's peace, that arbitration is not of general application and world's peace is certainly not with us at present. The existing situation, while very unfortunate, is one which must be reckoned with and while we are going to continue our struggle for peace and for a wider application of arbitration we must recognize facts as they are and prepare for our own defense. We must recognize that the forces of wrong must be met by the organized strength of right."

DO YOU KNOW THAT

One million two hundred thousand Americans die each year, it is estimated?

Heart disease, pneumonia and tuberculosis cause more than 20% of deaths. Sickness lowers earning capacity

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO. Apartment house, 2 story and base, frame, \$10,000. Architect, none. Owner, L. B. Ham, 274 25th avenue, S. E. Location West Palm avenue, south of Euclid. Will contain four apartments of four rooms each and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO. Apartment house, 3 story and base, frame, \$50,000. Architect, Houghton Sawyer, Shreve Bldg., S. E. Owner, Dr. Edith H. Williams. Location, California, near Gough. Will contain a number of two and three room apartments. Plans complete and figures being taken.

LOS ANGELES. CAL.—Apartment house, 2 story and base, frame. Cost not stated. Architects, W. J. Dodd, and William Richards, Brockman Bldg., L. A. Owner, H. C. Hollins. Location, corner of Santa Monica and Gower. Will contain six stores on the first floor and 15 apartments of two and three rooms on the upper floor. Plans being prepared.

LOS ANGELES. CAL.—Apartment house, 4 story and base, brick. Cost not stated. Architect, George W. Eldridge, Consolidated Realty Bldg., L. A. Owner, D. W. Ferguson. Location, Westlake avenue, near 6th street. Will contain 24 apartments of two, three and four rooms. Plans being prepared.

BANKS

ALAMEDA. ALAMEDA CO., CAL.—Bank, 1 story and base, reinforced concrete, \$10,000. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owners, Citizens Bank of Alameda. Location, corner of Webster and Haight streets. Will contain public space, banking rooms, vaults and office. Plans complete and figures being taken.

OAKLAND. CAL.—Bank and apartments, 2 story and base, frame, \$6,000. Architects, Oliver and Thomas, Pantages Theatre Bldg., Oakland. Owners, E. P. and J. Jacoby. Location, Miles and College avenues. Will contain a branch bank on the first floor and apartments above. Plans complete and figures being taken.

FRESNO. FRESNO CO., CAL.—Bank alterations, \$2,000. Architect's name not given. Owners, First National Bank of Fresno. Work will consist of interior alterations only. Plans complete and work to be done by Day Labor.

FILLMORE. VENTURA CO., CAL.—Bank and offices, 2 story and base, Class C construction. Cost not stated. Architect, A. C. Martin, Higgins Bldg., L. A. Owners, State Bank of Fillmore. Will cover an area of 41 by 80 feet. First floor arranged for banking quarters and upper floor for offices. Plans complete and figures to be taken at once.

BONDS

EUREKA. HUMBOLDT CO., CAL.—Humboldt County's proposed road bond issue, calling for the expenditure of \$1,500,000, was decisively defeated at the election held last week.

SAN RAFAEL. MARIN CO., CAL.—The City Council of San Rafael has called the \$50,000 canal bond election for October 30th.

OROVILLE. BUTTE CO., CAL.—The bonds for the construction of ditches, headgates and waterways at Drainage District No. 100, have been validated by order of the Superior Court of Butte County. George F. Jones of Oroville was counsel for the drainage district, which is located near Richvale.

SAN RAFAEL. MARIN CO., CAL.—The Marin Municipal Water District bonds of \$3,000,000 have been declared valid. The bonds were voted to finance the purchase of the existing water companies.

SANTA ANA. ORANGE CO., CAL.—The United Storm District, formed for the purpose of constructing protection works for about 60,000 acres in Orange County, proposed the following work, as outlined in a statement to voters, as follows: A channel 1100 feet wide, 4 1/2 miles long, the construction of a dike 50 feet on top, with zig-zag pilings and barbed wire to protect this dyke, and the planting of trees. The estimated cost will be \$45,000 for moving 300,000 cubic yards dirt for the channel; \$5,000 for 100,000 pounds barbed wire; \$41,000 for piling and placing 5200 piles; other labor and materials bringing total up to \$125,000, of which it is possible the county may pay \$25,000. O. E. Stewart is the district engineer.

PORTERVILLE. TULARE CO., CAL.—F. J. Schul of San Francisco plans the erection of a \$20,000 natatorium in this city. Several sites are under consideration.

MODESTO. STANISLAUS CO., CAL.—By a vote of about 5 to 1 the Waterford Irrigation District voted bonds of \$165,000 for the construction work of the new district and to pay the Modesto District for the use of water from its canals. Of the entire sum \$254,000 will go to the Modesto District, and the balance will be used in construction work. It is understood that the bonds will be advertised for sale at once, and as soon as the money is available bids for the construction of canals and laterals will be advertised.

MERCED. MERCED CO., CAL.—The Board of Education has decided to purchase a site for the new \$150,000 High School, and is now negotiating for the grounds. Many tracts have been offered.

SACRAMENTO. CAL.—The Board of Supervisors have fixed October 3rd as the date on which the people will vote on \$1,700,000 worth of bonds to construct roads in Sacramento County.

SAN DIEGO. SAN DIEGO CO., CAL.—The City Council has decided to submit to voters the proposition of a bond is-

sue for the construction of one dam, to be at Lower Otay and to cost \$82,200. The election will probably include a proposition to build a pipe line from La Mesa dam to the city distributing system at a cost of \$125,000. The City Attorney of San Diego has been instructed to include in the forthcoming bond election a proposition to vote \$85,000 to pay the cost of placing an apron 8 inches in thickness of 1:2:4 concrete, reinforced with 3/4-inch steel bars on 8-inch centers.

WILLOWS. GLENN CO., CAL.—The Larkin School District, ten miles east of this city on the river, has voted \$10,000 bonds for the construction of a new school building.

PIEDMONT. ALAMEDA CO., CAL.—Unanimous approval of the proposed bond issue of 114,000 by the Board of Trustees was given by a mass meeting of citizens called to consider the move.

BRIDGES, DAMS AND HARBOR WORK

WILLOWS. GLENN CO., CAL.—Bridges, 4 reinforced concrete. Cost not stated. Engineers, Leonard & Day, Rio Alto Bldg., S. E. Owners, Glenn County. Plans are nearly complete for four reinforced concrete bridges to be erected in the various Road Districts in Glenn County. Bids will be called for shortly.

VISALIA. TULARE CO., CAL.—Bridge, reinforced concrete, \$6,400. Engineer, County Surveyor, Visalia. Owners, Tulare County. The Board of Supervisors has approved plans for a \$6,400 concrete bridge to be built at Springfield, just above the swinging bridge.

SANTA BARBARA. SANTA BARBARA CO., CAL.—Bridge, reinforced concrete, \$48,000. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Bids will be opened on September 6th at 10 a. m. for the construction of a reinforced concrete bridge across Arroyo Quemado, at Station 306 plus 00, Section F, on the route of the State Highway, in the Third Road District. The structure consists of two 110-foot arch spans with approaches, being about 100 feet long and 75 feet high.

SEATTLE. WASH.—Bridge superstructure. Cost not stated. Engineers, Port of Seattle Commission, Seattle. Owners, City of Seattle. At a recent meeting of the Seattle Board of Public Works the Beers Building Co., Seattle, contractors for the superstructure of the 16th avenue, northeast, or Eastlake Bridge, was declared in default following the receipt of a letter from S. H. Beers. The sureties on the contract, the guardian Casualty Co. of Salt Lake City, have been notified to complete the contract.

Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Visalia. Owners, Tulare County. Bids have been ordered received up to September 8th, 2 p. m., for the construc-

tion of the proposed reinforced concrete Springville bridge, over the Tule River at Springville. Plans may be had from the County Clerk.

Contracts Awarded.

CHICO, BUTTE CO., CAL.—Bridge, reinforced concrete and steel, \$5,000. Engineer, City Engineer, Chico. Owners, City of Chico. Contractor, T. H. Polk. Chico. Contract price, \$5,000.

SAN RAFAEL, MARIN CO., CAL.—Bridge enlargement, \$1,065. Engineer, City Engineer, San Rafael. Contract price, \$1,065.

CHURCHES

SAN JOSE, SANTA CLARA CO., CAL.—Church, 1 and 2 story and base, reinforced concrete, \$50,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Church of the Bleeding Wound Roman Catholic. Will contain a main auditorium and Sunday School rooms. Preliminary plans only, prepared.

GLENDALE, LOS ANGELES CO., CAL.—Church, 1 and 2 story and base, brick, \$35,000. Architect, Arthur G. Lindley, Hollingsworth Bldg., L. A. Owners, First Methodist Episcopal Church. Location, southeast corner of Kenwood and 3rd streets, covering an area of 90 by 140 feet. Will contain main auditorium, Sunday school rooms and social hall. Plans complete and figures being taken.

Contracts Awarded.

ASTORIA, ORE.—Church, 1 story and base, brick, \$20,358. Architects, Whitehouse & Poulloux, Wilcox Bldg., Portland. Owners, Methodist Episcopal Church. Contractors, Burgess and Burgess, Astoria. Contract price, \$20,358.

Factories and Warehouses.

FRESNO, FRESNO CO., CAL.—Packing house, 1 story, frame, \$10,000. Architect, none. Owners, Cudahy Packing Co., Fresno. Location, 1941 Cherry street. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Factory, 4 story and base, Class A construction. Cost not stated. Architects, Train & Williams, Exchange Bldg., L. A. Owners, Los Angeles Creamery Co. Location, Towne, between 10th and 11th streets. Will cover an area of 100 by 120 feet. Reinforced concrete construction throughout. Plans being prepared.

SEATTLE, WASH.—Warehouse addition, 2 story, frame, \$31,000. Architect, Port of Seattle Commission, Seattle. Location, foot of Spokane street. Will cover an area of 360 by 90 feet. Plans being prepared.

Contracts Awarded.

LOS ANGELES, CAL.—Factory, 2, 1 story and base, reinforced concrete. Cost not stated. Architect, none. Owners, Globe Grain & Milling Co., Los Angeles. Contractors, Leonardt & Peck, H. W. Hellman Bldg., L. A. Contract price not given. Note, one building will cover an area of 360 by 60 feet and the other an area of 200 by 200 feet.

LOS ANGELES, CAL.—Laundry, 3 story and base, reinforced concrete, \$160,000. Architects, Train & Williams, Exchange Bldg., L. A. Owners, Diamond Steam Laundry Co. Contractors, Atlas Building Co., Haas Bldg., L. A. Contract price, \$160,000.

HARBOR ISLAND, WASH.—Ship building plant, \$5,000,000. Engineer's name not given. Owners, J. F. Duthie

Co., Seattle. Contractors, E. J. Rounds Construction Co., Walker Bldg., Seattle. Note: The first unit of this plant has been awarded at a contract price of \$25,000. Other contracts will follow shortly.

FIRE REPORT

SAN RAFAEL, MARIN CO., CAL.—Fire house, 2 story and base, brick, \$12,500. Architect's name not given. Owners, City of San Rafael. Will contain apparatus room and quarters for the men. Plans being prepared.

VAN NUYS, LOS ANGELES CO., CAL.—Jail and fire house, 2 story and base, brick and concrete, \$25,000. Architect, J. J. Backus, Van Nuys. Owners, City of Van Nuys. Will contain some of the city offices, jail and fire department. Plans complete and figures to be taken at once.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, D. J. Clancy, 2884 Folsom street, S. F. Location, East 8th avenue, south of Lincoln Way. Will contain two flats of four and five rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, F. W. Neelenberg, 1837 Oak street, S. F. Location, East Shrader, south of Rivoli. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Flats, 2 story and base, frame, \$6,000. Architect, C. J. Ryland, Odd Fellows Bldg., Stockton. Owner, C. J. Ryland. Location, southeast corner of Grant and Jackson streets. Will contain four flats of four and five rooms. Plans being prepared.

SPOCKTON, SAN JOAQUIN CO., CAL.—Flats, 2 story and base, frame, \$6,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Elizabeth Pratto. Location, North Grant, between Channel and Miner. Will contain four flats of four and five rooms. Plans being prepared.

HOLLYWOOD, LOS ANGELES CO., CAL.—Flats, 2, 2 story and base, hollow tile. Cost not stated. Architects, Architectural Designing Co., Gross Bldg., L. A. Owner, Miss Cora D. Lane. Location, De Longue avenue, near Gowcr. Each building will contain twenty rooms. Plans complete and work to be done by Day Labor and sub-contract.

LOS ANGELES, CAL.—Flats, 2, 2 story and base, frame. Cost not stated. Architect, H. J. Knauer, Wesley Bldg., L. A. Owner, David Beidler. Location, Serano avenue, north of Wilshire. Each building will contain 24 rooms. Plans being prepared and subfigures to be taken.

GARAGES

SAN FRANCISCO—Garage, 1 story, reinforced concrete, \$7,000. Architect, Charles Farnion, 916 Kearny street, S. F. Owner, Paolo Arata. Location, north Pacific, west of Dupont, covering an area of 36 by 17½ feet. Designed for a commercial garage. Plans complete and figures being taken.

FRESNO, FRESNO CO., CAL.—Garage, 1 story, brick, \$8,500. Architect, R. P. Pelechin, Rowell Bldg., Fresno. Owner, Dr. D. H. Thorwbridge. Location, J street, near Merced, covering an area of 50 by 100 feet. Designed for a commercial garage. Plans complete and work to be done by Day Labor.

HOLLYWOOD, LOS ANGELES CO., CAL.—Garage and salesroom, 1 story and base, brick, \$20,000. Architect, E. P. Pacher, Hollywood Bldg., L. A. Owner, Olaf Johnson, leased to Overland Automobile Co. Location, corner of Hollywood Boulevard and Argyle avenue, covering an area of 100 by 55 feet. Plans being prepared and work to be done by Day Labor.

PORTLAND, ORE.—Garage, 2 story and base, reinforced concrete, \$20,000. Architects, Whitehouse & Poulloux, Wilson Bldg., Portland. Owner, M. J. Thorsen. Location, corner of 16th and Washington streets. Designed for a commercial garage. Plans complete and figures being taken.

GOVERNMENT WORK & SUPPLIES

Hilo, H. T., Light Fixtures.

As previously reported, the contract for installing lighting fixtures in the U. S. post office at Hilo, H. T., was awarded to the Beardslee Chandelier Manufacturing Company, Chicago, Ill., at \$3,531.80. In the prosecution of the work, fixtures and material manufactured by the following firms will be used: Pendant switches, Perkins; keyless sockets, Weber; reflectors and glassware, Ivanhoe-Ilegent Works.

Nelson Reservoir, Milk River Project.

The following bid for earthwork on Nelson Reservoir, South Canal, Milk river project, Montana, was received at the United States Reclamation Service, Malta, Mont., on August 14.

James O'Connor & John T. Whalin, Malta, Mont., \$108,352.50.

Portland, Oreg., Mechanical Equipment.

The contract for installing mechanical equipment, except elevators, lifts, and lighting fixtures, in the U. S. post office at Portland, Oreg., has been awarded to J. F. Shea, 2 N. 2d street, Portland, Oreg., at \$76,138; time, 22 months.

Macon, Ga., Plumbing, Etc.

The contract for installing plumbing, heating, and lighting repairs in the U. S. post office and court house at Macon, Ga., has been awarded to Algernon Blair, Montgomery, Ala., at \$2,675; time, 100 days.

HONOLULU, HAWAII—Army post building, 1 and 2 story, frame and concrete, \$300,000. Engineer's name not given. Owners, United States Government. The Chief Ordnance Office at Honolulu will shortly call for bids for approximately \$200,000 worth of construction to be done at Honolulu under his direction. Included in the work will be 5 large warehouses, 6 gun sheds, 2 magazines, 2 shop buildings, 1 office building, 1 barracks, 1 field officers' quarters, 1 company officers' quarters, 2 non-commissioned officers' quarters, 1 stable and 1 wagon shed. Construction will be of concrete, brick and frame. Further mention will be made of this work.

HOSPITALS

FRESNO, FRESNO CO. CAL.—Hospital, 4 story and base, reinforced concrete, \$75,000. Architects, J. E. Kraft & Sons, Phelan Bldg., S. F. Owners, Burnett Sanitarium Co. Will cover an area of 75 by 120 feet. Interior arranged for wards and private rooms. Plans complete and figures being taken.

CLARKDALE, ARIZ.—Hospital, 2 and 3 story and base, reinforced concrete, \$80,000. Architect, Arthur R. Kelly, Story Bldg., L. A. Owners, United Verde Mining Co. Location, Clark street. Only preliminary plans have been prepared. Further mention will be made of the work when the architect returns from Arizona.

GLOBE, ARIZ.—Hospital, 2 story and base, reinforced concrete. Cost not stated. Architects, Lescher & Kibbey, Phoenix. Owners, Old Dominion Copper & Smelting Co. Will cover an area of 50 by 165 feet. Arranged for wards, private rooms, office and operating room. Plans being prepared.

HOTELS

STOCKTON, SAN JOAQUIN CO. CAL.—Hotel, 3 story and base, frame, brick, \$16,000. Architects, Peter Sala and Frank Mayo, Commercial & Savings Bank Bldg., Stockton. Owner, S. Sanguenetti. Location, south El Dorado street, near Lafayette. Will contain office and stores on first floor and a number of single rooms on the upper floors. Plans being prepared.

GLENDALE, LOS ANGELES CO. CAL.—Hotel, 2 story and base, brick, \$25,000. Architect, C. C. Rittenhouse, Wilcox Bldg., L. A. Owners, H. E. Betz. Location, 327 Brand Boulevard, covering an area of 55 by 84 feet. Will contain stores on the first floor and a number of single rooms and baths above. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Hotel, 10 story and base. Class A construction, \$200,000. Architects, John M. Cooper and Douglas Lee, Marsh-Strong Bldg., L. A. Owner, John M. Cooper. Location, south West Sixth street, near Hope, covering an area of 75 by 103 feet. Will contain 252 rooms, all of which will have private baths. Reinforced concrete construction throughout. Plans being revised.

IRRIGATION PROJECTS

MALTA, MONT.—Irrigation work, \$108,325. Engineers, United States Reclamation Service, Malta. Owners, United States Government. Contractor Jas. O'Connor was the only bidder when the United States Reclamation Office opened bids for the largest piece of excavation work ever let in the Milk River excavation project. For the removal of 615,000 cubic yards of earth, O'Connor bid somewhat under engineer's estimate of \$108,332. O'Connor will probably be awarded the contract.

RAILROAD CONSTRUCTION AND EQUIPMENT

PORTLAND, ORE.—Warehouse addition, 1 story, reinforced concrete, \$35,000. Engineer, Engineering Depart-

ment O. R. & N., Portland. Owners, Oregon-Washington Railway & Navigation Co. Location, North Portland. Plans being prepared.

ROSEBURG, ORE.—Railroad construction, \$300,000. Engineer's name not given. Owners, Roseburg & Eastern. Bids are being advertised for by the city of Roseburg, Ore., calling for contract figures on constructing the proposed Roseburg & Eastern Railway which the city is financing. It is understood that a tentative agreement has already been reached with Kendall Bros., of Pittsburg, whereby they will handle the job, which is expected to run close to \$300,000. In fact, it is understood that they have already offered practically all of the materials. With the railroad work under way the city officials have every reason to believe that Kendall Bros. will erect a large sawmill plant at Roseburg to cost about \$250,000. The railroad is to be 25 miles in length, and taps a rich lumber belt.

RESIDENCES

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architects, Sidney R. and Noble Newsum, Nevada Bldg., S. F. Owner, Frank L. Fenton. Location, 11th avenue. Will contain seven rooms, two baths and basement garage. Plans complete and figures being taken.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,600. Architect, none. Owner, F. Monson, 354 Sussex street, S. F. Location, East 18th avenue, south of Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, O. E. Evans & Co., 2569 Mission street, S. F. Owner, G. Lindberg. Location, Crocker Amazon Tract. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO — Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owner, Albert A. Russell, 75 Brosman street, S. F. Location, East 9th avenue, north of Anza. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, N. J. Nelson, 547 Elizabeth street, S. F. Location, East 22nd avenue, south of Clement. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$7,500. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F. Location, northeast corner of 29th avenue and Lake street. Will contain eight rooms, two baths and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO — Residence, 1 story and base, frame. Cost not stated. Architects, O. E. Evans & Co., 2569 Mission street, S. F. Owner's name not given. Location, Glen Park. Will contain five rooms and bath. Plans complete and figures being taken.

BERKELEY, ALAMEDA CO. CAL.—Residence, 2 story and base, frame, \$6,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Robert Shuey. Location, Benvenue, near Ashby. Will contain eight rooms, three baths and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, R. Cormack, 559 39th street, Oakland. Location, South Rich, west of Webster. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, Alvin J. Stern, 306 14th street, Oakland. Owner, Roy Pellenton. Location, 41st and Manila. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO. CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Arvid E. Olson, 2129 Telegraph avenue, Berkeley. Location, East Park, north of Oregon. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO. CAL.—Residence, 1 story and base, frame, \$1,700. Architect, none. Owner, G. H. Noble, 2320 Central avenue, Alameda. Location, 2503 Noble avenue. Will contain four rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO. CAL.—Residence, 1 story and base, frame, \$2,600. Architect, none. Owner, Edward Larmer, 470 Boulevard Way, Oakland. Location, South Derby and Ellsworth. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, A. D. Darling, 2264 East 21st street, Oakland. Location, south corner of 23rd avenue and East 29th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, P. S. Walsh, 495 Rich street, Oakland. Location, South Rich, east of Telegraph. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—1, 1 story and base, frame, \$2,000 each. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, South Arkansas, east of Curran avenue. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, L. J. Dolan, 2257 East 16th street, Oakland. Location, East Santa Clara, south of Valle Vista. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO. CAL.—Residence, 1 story and base, frame, \$1,000.

250. Architect, none. Owner, M. E. Taylor, 1607 Sonoma avenue, Berkeley. Location, North Ada, west of Sacramento. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,800. Architect, none. Owner, S. Matto, 5125 Lawton avenue, Oakland. Location East Lawton, north of 51st. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, West Sacramento, north of Cedar. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, James Welsh, 543 18th avenue, S. F. Location, East 18th avenue, north of Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame \$30,000. Architect, G. Albert Jansburgh, 709 Mission street, S. F. Owner, Fred. B. Henderson. Location, northwest corner of Washington and Laurel. Will contain fourteen rooms, three baths and separate garage. Plans complete and figures being taken.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, W. D. McKoy, 2029 E street, Sacramento. Location, 421 19th street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, W. H. Ackerman, 3rd and Huntington streets, Fresno. Location, Alta Vista Tract. Will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

LAFAYETTE, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architects, Thomas & Oliver, Pantages Theatre Bldg., Oakland. Owner, L. H. Thomas. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Residence, 1 and 2 story and base, frame. Cost not stated. Architect, Frank M. Tyler, Black Bldg., L. A. Owner, Mrs. E. E. Wilson. Location, 5th and Serrano streets. Will contain ten rooms, three baths and separate garage. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architects, Universal Drafting Bureau, 1544 5th avenue, Oakland. Owner, M. P. Brash. Location, Thousand Oaks Park. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architects, Sidney R. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, Mrs. Newsom. Location, Thousand Oaks Park. Will contain seven rooms, bath and sleeping porch. Plans complete and figures being taken.

MT. DIABLO, CONTRA COSTA CO., CAL.—Residence, 2 story and base, frame, \$5,500. Architects, Universal Drafting Bureau, 1814 5th avenue, Oakland. Owner, E. J. Rull. Location, Mt. Diablo. Will contain eight rooms, two baths and sleeping porch. Separate garage. Plans being prepared.

Contracts Awarded.

BEVERLEY HILLS, LOS ANGELES CO., CAL.—Stock buildings, frame and plaster. Cost not stated. Architects, W. P. Dodd and William Richards, Brockman Bldg., L. A. Owner, J. M. Danziger. Location, near Beverly Hills. Will consist of a group of buildings including cow barns, dairy, employees' club room, and quarters stables and paddocks. Plans complete and figures to be taken from selected contractors.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Residence, 2 story and base, reinforced concrete, \$125,000. Architect, Carlton M. Winslow, Van Nuy Bldg., L. A. Owner, William H. Bliss. Contractor, Thomas C. Marlow, Van Nuy Bldg., L. A. Contract price, \$125,000.

LOS ANGELES, CAL.—Residence, 2 story, attic and base, frame, \$21,475. Architects, Hunt and Purns, Laughlin Bldg., L. A. Owner, L. Isaacs. Contractor, C. J. Nordquist, 1122 Bellevue avenue, L. A. Contract price, \$21,475.

SCHOOLS

ALBANY, ALAMEDA CO., CAL.—School, 1 story and base, concrete or hollow tile, \$24,816. Architect, J. J. Donovan, Perry Bldg., Oakland. Owners, City of Albany. E. E. Etherton, Monadnock Bldg., S. F., submitted the lowest figures for this work and will probably be awarded the contract. A complete list of the bids received will be found under the head of Oakland and Alameda County.

RIO VISTA, CONTRA CO., CAL.—Convent school, 2 story, frame, \$15,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Roman Catholic Church. Will contain class rooms, dormitory and chapel. Plans complete and figures being taken.

ALAMEDA, ALAMEDA CO., CAL.—School, 2 story and base, brick and concrete, \$75,000. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. Revised plans are complete and figures will again be called for on the Lincoln School. An official advertisement will be published this week.

PLACERVILLE, EL DORADO CO., CAL.—Schools, 2, 1 story, hollow tile, \$27,000 and \$3,000. Architects, N. W. Sexton & Co., Merchants National Bank Bldg., S. F. Owners, Town of Placerville. The larger building will contain six class rooms and the smaller two class rooms. Plans complete and figures being taken. Bids open on September 8th at 1 p. m.

LOS ANGELES, CAL.—School group, 1 and 2 story, frame and stone. Cost not stated. Architect, Robert Orr, Van Nuy Bldg., L. A. Owners, Claremont School for Boys. Site embraces 20 acres. There will be 2 dormitory buildings, one 35x86 feet, containing 22 rooms, baths, etc., and one 35x72 feet, divided into 13 rooms, matron's quarters, etc.; a service building, 40x105, divided into social hall, dining room and kitchen department. A porch and por-

tic will connect the service building with the school rooms, of which there will be six and an assembly hall. There will also be an athletic field, a gymnasium building, 36x60 feet, with locker rooms, director's quarters, showers, etc., and an open concrete pool 60x25 feet.

Contracts Awarded.

RIPON, SAN JOAQUIN CO., CAL.—School, 1 story and base, concrete, \$24,820. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Ripon School District. Contractor, John Madison, Ripon. Contract price, \$24,820.

SAN JOSE, SANTA CLARA CO., CAL.—School addition, 2, 1 story, reinforced concrete, \$42,960. Architect, William Binder, Rea Bldg., San Jose. Owners, City of San Jose. Contractors, Monson Bros., S. F. Contract price, \$42,960. Contracts have also been awarded for the heating system to be installed in the First Ward School. John Stock & Sons, San Jose, secured the contract at \$3,895.

LA CANADA, LOS ANGELES CO., CAL.—School, 1 story and base, hollow tile, \$20,900. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, La Canada School District. Contractor, M. N. Yesberg, 1650 Morton avenue, L. A. Contract price, \$20,900.

SEWERS, STREET WORK & WATER SYSTEMS

HANFORD, KINGS CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Hanford. Owners, Kings County. Bids will be opened on September 7th at 2 p. m. for Highway No. 3, Division 1—A, 2, Section 2, and Highway No. 3, Division 1—A, Section 3 (Quincy east and south, Corcoran north and west). The quantities are as follows: Type A (15-foot width): 1—18,000 cubic yards of excavation (including borrow); 2—1,302,369 square feet of 2½-inch asphaltic concrete base (surface area); 3 or 4—1,302,369 square feet of 1½-inch Topoka or Warrenton wearing surface; 5—300 linear feet of Standard Guard Fence; 6—1,302,369 square feet 4-inch asphaltic concrete pavement (surface area), including sand and wearing surface. Type B (15-foot width): 1—18,000 cubic yards of excavation (including borrow); 2—1,221,172 square feet of 2½-inch asphaltic concrete base (surface area); 3 or 4—1,221,172 square feet of 1-inch Topoka or Warrenton wearing surface; 5—300 linear feet of Standard Guard Fence; 6—1,221,172 square feet 4-inch asphaltic concrete pavement (surface area), including sand and wearing surface.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, County Engineer, Oakland. Owners, Alameda County. Bids will be opened on September 18th at 10 a. m. for oiling and screening of portions of County Road No. 957, or the Redwood Road, and County Road No. 35, or Laurel avenue, in Eden Road District, Eden Township.

TRACY, SAN JOAQUIN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Tracy. Owners, City of Tracy. Bids will be opened on September 7th for street improvements authorized under the following resolutions:

That the roadway of the following streets: West Sixth street, from east line of West street to the west line of North B street, and north A, from the south line of 7th street, to the north line of West 6th, be improved by grad-

ing and graveling, also that concrete and redwood curbing be constructed.

That 6th street, from the east line of North B street to the west line of North C street, be improved by grading and graveling the roadway; also that redwood curbing and a concrete sidewalk 4 feet wide and four inches thick be constructed.

That the roadway portions of the following streets, to-wit: That West street, from the south line of West 6th street, to a line parallel to and 375 feet north of the north line of 16th street, and East street, from the north line of 6th street to a line parallel to and 375 feet north of the north line of 16th street, be improved by grading and graveling roadway, also that concrete and redwood curbing be constructed along the sides of the roadway.

REDDING, SHASTA CO., CAL.—Engineer, City Engineer, Redding. Own-Lighting system. Cost not stated. Engineer, City Engineer, Redding. Owners, City of Redding. No bids for constructing the second unit of the street lighting system were received by the City Trustees and the unit will be built by Day Labor according to the decision of the trustees at their last meeting.

EUREKA, HUMBOLDT CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Bids will be opened on September 12th for the construction of one-half mile of wagon road near Upper Mattole post office in Road District No. 1.

CRESCENT CITY, DEL NORTE CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Crescent City. Owners, Del Norte County. Bids will be opened on September 15th for grading the new road and constructing culverts, etc., from the north end of the Smith River bridge to a point near Fred, Green's house.

OROVILLE, BUTTE CO., CAL.—Road improvements. Cost not stated. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be opened on September 12th at 2 p. m. for certain work on parts of Sacramento avenue, Nord avenue and Kennedy avenue, in Road District Number 2.

VISALIA, TULARE CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Visalia. Owners, Tulare County. The County Clerk has been instructed to receive bids up to September 8th, 2 p. m., for the construction of Road No. 1149, in Road District No. 1. Plans may be had from the County Clerk.

SALINAS, MONTEREY CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Salinas. Owners, City of Salinas. Bids will be opened on September 11th at 8 p. m. for grading the roadway of that portion of Salinas street, from the south line of Alisal street to the north line of San Luis street, and constructing thereon a hydraulic cement concrete base, with a two course asphalt and screening surface, together with concrete curbs on both sides of the roadway.

Bids will also be opened on the same date for grading the roadway of that portion of Stone street, from the north line of Central avenue to the south line of Market street, and constructing

thereon a hydraulic cement concrete base with a two course asphalt and screening surface, together with concrete curbs along both sides of the roadway.

SAN RAFAEL, MARIN CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. The City Council has awarded a contract to Botfini Mazzotti, Toll Road, San Rafael, for the following work: That a concrete sidewalk 5 feet wide be laid along the following names streets, to-wit: On the west side of Grand avenue, between 4th street and Watt avenue; the north side of 1st street, between Shaver street and Hayes street; on the west side of Shaver street, between 1st street and Minnie street; on the south side of Bay View street, between C and D streets; on the north side of Frances street, between D street and E street; on the east side of E street, between 1st and 2nd streets; on the east side of Grand avenue, between Highland avenue and Acacia avenue.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on September 5th at 8 p. m. for street improvements authorized under the following resolutions:

That First street, from its north termination to the north line of Ripley avenue, be graded, curbed, guttered and sidewalked with cement concrete, and paved with macadam.

That 6-inch salt-glazed, vitrified pipe sewers, manholes of brick and concrete, lampholes of vitrified, salt-glazed sewer pipe and Y branches of standard salt-glazed, vitrified sewer pipe, be constructed as follows: In Ohio avenue and Center avenue, between the northeast line of Pullman avenue and the east boundary line of the Pullman Park Tract. In Florida avenue, between 25th street and the east boundary line of Pullman Park Tract. In 25th street and a projection thereof, between Center avenue and Pullman avenue. In 29th street and a projection thereof, between Center avenue and Ohio avenue.

That Contra Costa street, between the southwest line of Standard avenue and the northeast line of Tewksbury avenue, be graded between the curb lines and grade; that the existing wooden curbs be removed; cement concrete curbs and gutters be constructed; that open drains of cement concrete be constructed along the gutter lines across Hillside and Mancilla avenues; and that the roadway be paved with Richmond Standard Macadam consisting of broken stone and of asphaltum.

Contracts Awarded.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions:

J. W. Terrill, 1111 29th street, Sacramento, has been awarded contracts for the following street and sewer improvements:

That the alley west of Sherman avenue, from V street to Upper Stockton road, and the alley south of Mier and Sowell's High School Tract, from Sher-

man avenue to 34th street, be improved by excavating a trench and constructing therein an 8 and 10-inch vitrified ironstone pipe sewer; constructing 5 concrete manholes and placing 2 flusher branches; placing 6-inch vitrified ironstone Y branches and 10 and 8-inch vitrified pipe sewer; backfilling all trenches.

That 41st street, from F street to the alley between G and H streets, be improved by excavating a trench and constructing therein 8-inch and 10-inch vitrified ironstone pipe sewer; backfilling the trenches and constructing 2 concrete manholes complete with cast iron curbs and covers.

That 37th street, from Park avenue to 7th avenue, be improved by excavating a trench and constructing 8, 10 and 24-inch vitrified ironstone pipe sewer, backfilling all trenches and constructing 4 concrete manholes complete with cast iron curbs and covers.

That Brough avenue, from J street to a point 586 feet north therefrom, be improved by excavating a trench and constructing therein an 8-inch vitrified ironstone pipe sewer with 20 6-inch vitrified ironstone Y branches; 1 concrete manhole complete; placing 1 6-inch flusher branch complete, and backfilling the trench.

OROVILLE, BUTTE CO., CAL.—Highway construction, \$6,950. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, Daniel Layles, Biggs. Contract price, \$6,950.

SAN FRANCISCO—Wood paving blocks. Cost as follows. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contractors, Pacific Creosoting Co., S. F. Contract price, \$41.24 per thousand.

PETALUMA, SONOMA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Petaluma. Contract price not stated.

SALINAS, MONTEREY CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Salinas. Owners, City of Salinas. Contractor, Dan McCormick Salinas. Contract price not stated.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works:

The improvement of Francisco street between Polk street and Van Ness avenue, by the construction of artificial stone sidewalks of the full width where asphalt or artificial stone sidewalks are not already constructed at least 6 feet in width. Awarded to Owen L. McHugh, 304 Russ Bldg., San Francisco, for \$54.40.

The improvement of Mariposa street, between Utah street and San Bruno avenue, and of the crossing of Utah and Mariposa streets, by the construction of an 8-inch vitrified, salt-glazed ironstone pipe sewer with 10 Y branches and 1 brick manhole, galvanized iron, wrought iron steps; concrete curbs; artificial stone sidewalks; and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to D. L. Bienfield, Phelan Bldg., San Francisco, for \$2,928.18.

The improvement of Bessie street, opposite the termination of Manchester

street, where not already improved, by the construction of granite curbs; artificial stone sidewalks; one brick catch basin with cast iron frame, grating and trap, 10-inch vitrified, salt-glazed, ironstone pipe culvert on the southeast angular corner; basalt block gutters; and a basalt block pavement on sand with a gravel filler on the remainder of the roadway thereof. Awarded to D. L. Hienfeld, Phelan Bldg., San Francisco, for \$187.21.

STORES AND OFFICES.

SAN FRANCISCO—Stores and offices, 4 story and base, reinforced concrete, \$100,000. Architect, Edward G. Bolles, 660 Market street, S. E. Owner, C. W. Burgess. Location, northeast corner of Ecker and Mission, covering an area of 100 by 100 feet. Will contain stores on the first floor and offices and lofts above. Plans being prepared.

SAN FRANCISCO—Stores repairs, 1 story, frame, \$3,000. Architect, John Ettler, 604 Mission street, S. E. Owners, Bothin Estate. Location, southwest corner of 8th and Tehama. Work will consist of repairs to fire damage. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Stores and office, 2 story and base, brick, \$15,000. Architects, none. Owner, Herbert F. Brown. Location, northeast corner of 10th and Macdonald avenue. Stores on first floor and a number of offices above. Plans being prepared.

OAKLAND, CAL.—Produce buildings, 2, 1 story brick. Cost not stated. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Fruit & Produce Realty Co. Location, southwest corner of Second and Franklin streets. One building will cover an area of 75 by 75 feet and the other 75 by 100 feet. Plans complete and figures being taken.

MADIRA, MADERA CO., CAL.—Store, 1 story, brick, \$4,000. Architect, none. Owners, The Roberts Estate Co. Will cover an area of 45 by 120 feet. Plans complete and work being done by Day Labor.

FRESNO, FRESNO CO., CAL.—Glass, 1 story, brick, \$8,600. Architects, Glass & Butner, Republican Bldg., Fresno. Owner, E. F. Mitchell. Location, corner Tulare and M streets, covering an area of 45 by 65 feet. Plans complete and figures being taken.

FRESNO, FRESNO CO., CAL.—Store alterations, \$3,000. Architects, Glass & Butner, Republican Bldg., Fresno. Owners, Wells Fargo Express Co. Location, Ruth Building. Work will include new store fronts and fixtures. Plans being prepared.

PORTLAND, ORE.—Stores and offices, 5 story and base, brick and tile, \$150,000. Architects, J. V. Bennes, Chamber of Commerce Bldg., Portland. Owner, Anton Huth, Tacoma. Leased to Liebes & Co. Location, corner Broadway and Morrison. Will cover a considerable ground area. First floor store and upper floors lofts and offices. Plans complete and figures being taken.

Contracts Awarded.

LOS ANGELES, CAL.—Store and lofts, 3 story and base, brick. Cost not stated. Architect, Richard D. King, Van Nuys Bldg., L. A. Owners, W. A. and

M. T. Glaescock. Contractor, Carl J. Lange, Story Bldg., L. A. Contract price not stated.

THEATRES

SOUTH PASADENA, LOS ANGELES CO., CAL.—Theatre, 2 story and base, brick, \$25,000. Architect, E. J. Borgmeyer, Stimson Bldg., L. A. Owner, Edward N. Jarecki. Location, Fair Oaks avenue. Will contain two stores, and a theatre seating 600 people. Plans being prepared.

OREGON CITY, ORE.—Theatre, 2 story and base, reinforced concrete, \$30,000. Architect, White Bros., Oregon City. Owner, W. A. Long. Arranged for stores, offices, and a theatre seating 1,000 people. Plans complete and figures to be called for at once.

Contracts Awarded.

STOCKTON, SAN JOAQUIN CO., CAL.—Theatre, 2 story and base, brick and steel, \$65,000. Architect, A. W. Cornelius, Merchants National Bank Bldg., S. E. Owners, Turner & Dahnen Circuit. Contractor, James Mulcahy, 526 Grant street, Stockton. Contract price, \$65,000.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

Office Constructing Quartermaster, Fort Mason, Cal.—Sealed proposals, in triplicate, for constructing improvements to Water Supply System at Presidio of San Francisco, Cal., will be received here until 11:00 a. m., September 18, 1916, and then opened. Further information on application.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until 2 o'clock p. m., September 20, 1916, for the construction of canal and structures on the Flathead project, Montana, involving about 125,000 cubic yards of excavation, 195 cubic yards of reinforced concrete, 10,000 square yards of paving, 10,100 square feet of canal lining, manufacturing and laying 3,100 linear feet of concrete pipe, laying 210 cubic yards of dry rubble wall and placing 9,000 pounds of structural and reinforcing steel. The work is located from 3 to 10 miles west of Ronan, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or St. Ignatius, Mont. MORRIS BIRN, acting director.

PROPOSALS FOR VALVES.

VALVES—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 p. m., September 20, 1916, for furnishing needle valves for the north tunnel of the Roosevelt Dam, Salt River project, Arizona. For particulars address the United States Reclamation Service, Washington, D. C., or Denver, Colo. A. P. Davis, chief engineer.

PROPOSALS FOR CEMENT, ETC.

CEMENT, STONE AND SAND—U. S. Engineer Office, 723 Central Building, Los Angeles, Cal.—Sealed proposals will be received at this office until 11 a. m., September 15, 1916, for furnishing American Portland cement, sand and stone at San Pedro, Cal. Information on application.

PROPOSALS FOR CANAL WORK.

CANAL WORK, ETC.—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed

proposals will be received at the office of the United States Reclamation Service, Malta, Mont., until 2 o'clock p. m., September 27, 1916, for the construction of structures on the Milk River project, Montana, involving about 10,000 cubic yards of excavation, 600 cubic yards of reinforced concrete, 1,300 square yards of paving, the placing of 10,000 pounds of reinforcement steel and the placing in wooden structures of about 131,000 feet, b. m., of lumber. The work is located in the vicinity of Saco and Bitter Lake, Montana, on the Great Northern Railway. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Malta, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Fort Laramie, Wyo., until 2 o'clock p. m., September 28, 1916, for earthwork and structures on about 13 miles of main canal, Fort Laramie unit, North Platt project, Nebraska-Wyoming, involving the construction of approximately 1,635,000 cubic yards of material and the placing of approximately 1,150 cubic yards of concrete. This work is situated near the Bridgeport-Gurnsey line of the Chicago, Burlington and Quincy Railway in the vicinity of Torrington and Lingle, Wyo. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Fort Laramie, Wyo. A. P. DAVIS, chief engineer.

NOTICE TO CONTRACTORS.

OFFICE of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County at his office, until Monday, September 11, 1916, at 10 o'clock a. m. (the day when said bids will be opened and the contract awarded) for the construction of a Tubercular Hospital Building, on the site near Livermore owned by the County of Alameda.

Complete plans and specifications for said work are on file in the office of the County Clerk, in the Hall of Records Building, Oakland, California, where copies may be obtained by depositing with the County Clerk the sum of ten (10) dollars. Contractors will be restricted as to the length of time they may retain these plans and specifications to ten (10) days.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to the County Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the contract.

(Seal) G. B. GIBSON, Clerk of the Board of Supervisors of the County of Alameda.

Dated August 11, 1916.

PROPOSALS FOR POWER PLANT.

POWER PLANT—Sealed Proposals indorsed "Proposals for Heating and Power Plant" will be received at the bureau of yards and stores, Navy Department, Washington, D. C., until 1 o'clock a. m., September 30, 1916, and there publicly opened, for installing generator sets furnished by the government, and furnishing and installing boilers, condensers, pumps, motors, switchboard equipment, piping, wiring, heating, etc. for the heating and power plant at the naval torpedo station, Puget Sound, Wash. Plans and specifications can be obtained on application to the bureau of the heating and power plant, navy yard, Bremerton, Wash. F. R. HARRIS, chief of bureau.

PROPOSAL FOR CANAL WORK.

CANAL WORK—Department of the Interior, United States Reclamation Service, Washington, D. C., August 11, 1916.—Sealed proposals will be received at the office of the United States Reclamation Service, Montrose, Colo., until 4 o'clock p. m. September 15, 1916, for the construction of the Ironstone Canal extension, California Mesa Lateral No. 3, and the Buttermilk Lateral, Uncompahgre Valley project, in the vicinity of Delta and Glade, Colo. This work involves the excavation of about 84,500 cubic yards of material in open cut. For particulars address the United States Reclamation Service, Montrose, Colo., or Washington, D. C. MORRIS BIEN, acting director.

PROPOSAL FOR EXCAVATING.

EXCAVATING—Department of the Interior, U. S. Reclamation Service, Washington, D. C., August 11, 1916.—Sealed proposals will be received at the office of the United States Reclamation Service, Grand Junction, Colo., until 2 o'clock p. m. September 14, 1916, for about 142,700 yards of lateral excavation. The work is situated in the vicinity of Mack, Colo. For particulars address the United States Reclamation Service, Grand Junction, Colo.; Denver, Colo., or Washington, D. C. MORRIS BIEN, acting director.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 17, 1916.—Sealed proposals will be opened in this office at 3 p. m. October 2, 1916, for the construction complete of the United States post office at Willows, Cal. Drawings and specifications may be obtained from the custodian of site at Willows, Cal., or at this office in the discretion of the Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect.

PROPOSALS FOR MAIL-HANDLING DEVICE.

MAIL-HANDLING DEVICE—Treasury Department, Supervising Architect's Office, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m. October 2, 1916, for mail-handling devices, etc., in the U. S. post office at Denver, Colo., in accordance with specification and drawing, copies of which may be obtained at this office, in the discretion of the supervising architect, JAMES A. WETMORE, acting supervising architect.

TO STUDY ELECTRICAL-GOODS MARKETS ABROAD.

The markets for electrical goods in China, India, Australia, South Africa, and several other countries which are in the Far East are to be studied by a representative of the Bureau of Foreign and Domestic Commerce. The war has greatly handicapped the principal European competitors of American manufacturers of electrical goods in the Far Eastern field, and strong efforts will be made to obtain such information as will enable exporters in this country to conduct an effective campaign for trade extension. R. A. Lundquist, consulting engineer of Minneapolis, has been selected for this work.

Much preliminary study is still needed, and Special Agent Lundquist will ascertain the types, qualities, and costs of electric apparatus with which American goods come into competition, as well as look into the general opportunities for the sale of such goods. Before leaving on the trip the special agent will spend some weeks in the principal business and manufacturing centers conferring with manufacturers and exporters.

Mr. Lundquist graduated from the University of Minnesota in 1905 with

the degree of electrical engineer, following which he put in six years with prominent electrical houses. Since 1911 he has been in business for himself in Minneapolis, specializing in hydroelectric and transmission-line work. He is the author of "Transmission Line Construction—Methods and Costs," and has contributed numerous articles to the technical press. He is chairman of the Minnesota section of the American Institute of Electrical Engineers.

Railway Equipment in Asia, Australia and South Africa.

An expert from the Division of Valuations of the Interstate Commerce Commission will represent the Bureau of Foreign and Domestic Commerce in an investigation of the field for American railway equipment and supplies in the Far East, Australia, and South Africa.

Frank Rhea is the special agent appointed to make the investigation, and he is already engaged in making arrangements for conferences with manufacturers, contractors, and selling agents, which will be held during a preliminary trip to the principal manufacturing centers in this country. This preliminary trip will be made in September. He will then go abroad to enter upon a careful study of the conditions as they affect railway construction, equipment, traffic, the probable reconstruction of railways, tramways, etc. While all specific opportunities for securing orders will be promptly reported, the real purpose of the investigation is to gather fundamental facts for the American manufacturer.

Those who wish to get in touch with Mr. Rhea before he leaves this country should address the Division of Commercial Agents, Bureau of Foreign and Domestic Commerce, Customhouse, New York. This is the new office opened in New York by the Bureau to keep in closer touch with business houses interested in foreign trade.

NICARAGUAN RAILWAY AGREEMENT.

Formal approval of the agreement between the Nicaraguan Government and the Pacific Railroad Co. of Nicaragua has been given by both houses of the Nicaraguan Congress and is promulgated by the President in La Gaceta of June 28. Under the terms of this agreement the railroad company which is financed in New York City will construct and operate a railway from the Atlantic coast to the present Pacific railway system of Nicaragua or to the steamship lines owned by the same company. The total length of the new railway will be about 200 miles and it will supply much needed transportation facilities from the Atlantic coast.

New South African Business for American Firms.

An initial order for pencil sharpeners, from which excellent business should develop; an agency for a paper-bag company, which has already booked orders from several large milling companies; a complete year's supply of garden seeds; agencies for several lines of butcher's supplies; an

order for an outfit of drills, taps and dies, with an agency in view; a consignment of glassware; and negotiations that will shortly end in an order for a complete set of store fixtures and a new store front—all this new South African business for American firms has resulted, either directly or indirectly, during the past quarter from information obtained at the Port Elizabeth consulate.

PYRAMID LAKE DAM.

RENO, NEV.—Surveyors practically have completed their work at Pyramid Lake preparatory to the construction of a permanent dam for irrigation project on the Indian reservation. An appropriation of \$30,000 was made last year to start the work and supplies and material for the dam have been ordered. The project calls for the expenditure of \$85,000.

OAKLAND ARCHITECT DIES SUDDENLY IN CITY OFFICE.

While working at his desk in the offices of Maurice C. Couchot, an engineer in the French Bank Building, William Sading, an Oakland architect, fell to the floor dead last Thursday from heart failure. Sading was 36 years of age and resided with his mother at 763 Fifty-fourth street, Oakland. According to his employers, he had been working for them but a few days and had complained of serious headaches.

BORDEN TO ERECT MILK CONDENSER IN STANISLAUS CO.

MODESTO, CAL.—A hundred thousand dollar condensed milk plant will be erected here by the Gail Borden Condensed Milk Company. A two-story brick building 280 feet long will be erected for the initial plant. Stanislaus County now has 40,000 dairy cows, and will be able to support the plant. Borden has fifteen milk plants west of the Mississippi River.

CONSULAR TRADE WORK IN NEW ZEALAND.

An order for 50 tons of supercalendered printing paper resulting from the publication of a "trade opportunity" in Commerce Reports, an order for furniture that followed the sending of catalogues from the consular files to a leading Auckland furniture dealer, and the establishment of an agency for lead-headed nails with prospects of business amounting to \$100,000 a year, formed part of the new business placed with American firms by New Zealand houses during the past quarter, as reported by Consul General Alfred A. Winslow.

NEW SCHOOL BUILDING IN COLON.

The building division of the Panama Canal has begun the erection of a new school building for the accommodation of the children of canal employees residing in Colon and in Cristobal, Canal Zone. The new school house will be constructed of reinforced concrete, with Spanish tile roof; it will be 174 feet long by 56 feet wide, two stories in height, and in its 18 class rooms it will provide accommodation for all the

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, F. Monson, 354 Sussex street, S. F. Location, East 18th avenue, south of Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, O. E. Evans & Co., 2563 Mission street, S. F. Owner, G. Lindberg. Location, Crocker Amazon Tract. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, Albert A. Russell, 75 Brosnan street, S. F. Location, East 9th avenue, north of Anza. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, N. J. Nelson, 547 Elizabeth street, S. F. Location, East 22d avenue, south of Clement. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$7,500. San Francisco. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F. Location, northeast corner of 29th avenue and Lake street. Will contain eight rooms, two baths and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame. Cost not stated. San Francisco. Architects, O. E. Evans & Co., 2563 Mission street, S. F. Owner's name not given. Location, Glen Park. Will contain five rooms and bath. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Owner, James Welsh, 543 18th avenue, S. F. Location, East 18th avenue, north of Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$30,000. San Francisco. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owner, Fred. B. Henderson. Location, northwest corner of Washington and Laurel. Will contain fourteen rooms, three baths and separate garage. Plans complete and figures being taken.

STREET IMPROVEMENTS. Cost as follows: San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works:

The improvement of Francisco street, between Polk street and Van Ness avenue, by the construction of artificial stone sidewalks of the full width where asphalt or artificial stone sidewalks are

not already constructed at least 6 feet in width. Awarded to Owen L. McHugh, 304 Russ Bldg., San Francisco, for \$44.10.

The improvement of Mariposa street, between Utah street and San Bruno avenue, and of the crossing of Utah and Mariposa streets by the construction of an 8-inch vitrified, salt-glazed ironstone pipe sewer with 19 Y branches and 1 brick manhole, galvanized iron, wrought iron steps; concrete curbs; artificial stone sidewalks; and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to D. L. Bienfield, Phelan Bldg., San Francisco, for \$2,928.18.

The improvement of Bessie street, opposite the termination of Manchester street, where not already improved, by the construction of granite curbs; artificial stone sidewalks; one brick catch basin with cast iron frame, grating and trap; 19-inch vitrified, salt-glazed ironstone pipe culvert on the southeast angular corner; basalt block gutters; and a basalt block pavement on sand with a gravel filler on the remainder of the roadway thereof. Awarded to D. L. Bienfield, Phelan Bldg., San Francisco, for \$487.21.

APARTMENT HOUSE—2 story and base, frame, \$16,000. San Francisco. Architect, none. Owner, L. R. Ham, 274 25th avenue, S. F. Location, West Palm avenue, south of Euclid. Will contain four apartments of four rooms each. Basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$50,000. San Francisco. Architect, Houghton Sawyer, Shreve Bldg., S. F. Owner, Dr. Edith H. Williams. Location, California, near Gough. Will contain a number of two and three room apartments. Plans complete and figures being taken.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, P. W. Necklenberg, 1837 Oak street, S. F. Location, East Shadrer street, of Revoli. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, D. J. Clancy, 2884 Folsom street, S. F. Location, East 8th avenue, south of Lincoln Way. Will contain two flats of four and five rooms. Plans complete and work to be done by Day Labor.

GARAGE—1 story, reinforced concrete, \$7,000. San Francisco. Architect, Charles Fantoni, 916 Kearny street, S. F. Owner, Paolo Arata. Location, North Pacific, west of Dupont, covering an area of 36 by 137 1/2 feet. Designed for a commercial garage. Plans complete and figures being taken.

ARMY POST BUILDING—1 and 2 story, frame and concrete, \$300,000. Honolulu, Hawaii. Engineer's name not given. Owners, United States Government. The Chief Ordnance Office at

Honolulu will shortly call for bids for approximately \$200,000 worth of construction to be done at Honolulu under his direction. Included in the work will be five large warehouses, 6 gun sheds, 2 magazines, 2 shop buildings, 1 office building, 1 barracks, 1 field officers' quarters, 1 company officers' quarters, 2 non-commissioned officers' quarters, 1 stable and 1 wagon shed. Construction will be of concrete, brick and frame. Further mention will be made of this work.

STORES AND OFFICES—6 story and base, reinforced concrete, \$100,000. San Francisco. Architect, Edward G. Bolles, 660 Market street, S. F. Owner, C. W. Burgess. Location, northeast corner of Ecker and Mission, covering an area of 100 by 100 feet. Will contain stores on the first floor and offices and lofts above. Plans being prepared.

STORES REPAIRS—1 story, frame, \$3,000. San Francisco. Architect, John Etlter, 601 Mission street, S. F. Owners, Bothin Estate. Location, southwest corner of 8th and Tehama. Work will consist of repairs to fire damage. Plans complete and work to be done by Day Labor.

frame, \$5,000. San Francisco. Archi-

RESIDENCE—2 story and base, teets, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, Frank L. Fenton. Location, 11th avenue. Will contain seven rooms, two baths and basement garage. Plans complete and figures being taken.

WOOD PAVING BLOCKS—Cost as follows: San Francisco, Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contractors, Pacific Creosoting Co., S. F. Contract

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2511	Arnott	Arnott	1900
2515	Arnott	Arnott	1900
2516	Borneque	Healing	400
517	Cayaux	Fraser	500
518	Killilea	Killilea	400
2519	Dekost	Dekost	400
2520	Muller	Muller	500
2521	Tognotti	Tognotti	1000
2522	Newman	McCarthy	900
2523	Symington	Symington	1000
2524	Liebert	Liebert	1000
2525	Quibert	Quibert	1000
2526	Johnston	Johnston	1000
2527	Moller	Moller	2000
2528	Newman	McCarthy	875
2529	Loustanan	Lauchere	1200
2530	St Francis Hospil.	Higginson	15000
2531	Richardson	Higginson	8900
2532	Russell	Russell	2000
2533	Russell	Russell	2000
2534	Moffatt	Nagel	1000
2535	Donahue	Donahue	450
2536	Pehrson	Pehrson	4000
2537	Zelberbach	Macdonald	10000
2538	Brown	Brown	1800
2539	Mead's	Mead's	400
2540	Ayle	Ayle	400
2541	Hunter	Hunter	400
2542	Stroh	Stroh	400
2543	Robson	Sattler	400
2544	Masco	Masco	400
2545	Chinc Sai Yat	Owner	400
2546	Allen	Allen	7500
2547	Bernatonic	Brown	800
2548	Nelson	Nelson	2000
2549	Budde	Westerlund	3240
2550	Hoopes	Butte	3048
2551	Wheeler	McLeod	770

2552	Coates	Sharman	2300
2553	Wise	Evans	4250
2554	Otis	Lyden	821
2555	Ellis	Hamill	4275
2556	Bannan	Mayer	7275
2557	Dill	Koschnitzki	4600
2558	Lager	Johnson	2271
2559	Strillog	Coburn	5800
2560	Monson	Monson	2600
2561	Welsh	Welsh	3000
2562	Fodersto	Podesto	900
2563	Ramsdell	Donovan	850
2564	Ryan	Ryan	400
2565	Varellas	Brimfield	400
2566	Dignan	Brimfield	400
2567	Rednall	Rednall	400
2568	Zietich	Zietich	400
2569	Weuster	Weuster	500
2570	Ebbinhausen	Owner	450
2571	Schuppert	Peterson	600
2572	Marenzi	Marenzi	1500
2573	Haas	Haas	950
2574	Mecklenberg	Owner	4850
2575	Rulfs	Schwartz	645
2576	Rulfs	Michel	860
2577	Rulfs	Schrader	696
2578	Rulfs	Otis	1625
2579	Rulfs	Am. Elect. Eng.	925
2580	Uy, Cal.	McLeran	15300
2581	Kohn	Natl. Elect.	966
2582	Kahn	Pinkerton	1244
2583	Kohn	Peterson	320
2584	Kohn	Emanuel	4650
2585	Kohn	Koschnitzki	7272
2586	Fischer	McKenzie	15374
2587	Fischer	Mecklenburg	3680

DWELLING

(2514) W NINETEENTH AVE 153 S
Rivera. One and one-half story and
basement frame dwelling.
Owner.....Jas. A. Arnott, 1322 3rd
avenue, S. F.
Architect.....None.
Contractor.....Jas. A. Arnott & Son, 517
Noe, S. F.
COST, \$1900

DWELLING

(2515) W NINETEENTH AVE 128 S
Rivera. One and one-half story and
basement frame dwelling.
Owner.....Jas. A. Arnott, 1322 3rd
avenue, S. F.
Architect.....None.
Contractor.....Jas. A. Arnott & Son, 517
Noe, S. F.
COST, \$1900

FLOOR

(2516) NO. 1270 Golden Gate avenue
New floor.
Owner.....W. Borneque, 830 Powell,
San Francisco.
Architect.....None.
Contractor.....Geo. Healing, 3665 Sacra-
mento, S. F.
COST, \$100

ALTERATIONS

(2517) NO. 21 BAKER. Change base-
ment for garage.
Owner.....C. Cayaux, 303 Hayes, San
Francisco.
Architect.....None.
Contractor.....John Fraser, 1005 Califor-
nia, S. F.
COST, \$500

ALTERATIONS

(2518) NO. 151 HYDE. Changes in
roof.
Owner.....M. J. and M. E. Kihlha, 451
Hyde, S. F.
Architect.....None.
Contractor.....M. J. Kihlha, 451 Hyde
San Francisco.
COST, \$100

ALTERATIONS

(2519) NE MISSION and 17th. Change
store front.
Owner.....Dekost Realty Co.
Architect.....William Koenig, 914 Hum-
holdt Bank Bldg., S. F.
Day's work.....COST, \$600

BUILDING AND ENGINEERING NEWS

DWELLING

(2520) SW SILLIMAN and Madison.
One story and basement frame dwlg.
Owner.....Mrs. Marie L. Muller, 23
Athens, S. F.
Architect.....None.
Day's work.....COST, \$500

STORE

(2521) NW INGALLS and Fitzgerald.
One story frame store.
Owner.....S. Tognotti, 29 Egbert, San
Francisco.
Architect.....None.
Day's work.....COST, \$1000

ALTERATIONS

(2522) NO. 3912 CLAY. Alterations
for dwelling.
Owner.....S. J. Newman, Premises.
Architect.....Heiman & Schwartz, Ne-
vada Bank Bldg., S. F.
Contractor.....Jas. F. McCarthy, 432 Eu-
reka, S. F.
COST, \$900

ADDITION

(2523) NO. 3925 NINETEENTH ST
Add to residence.
Owner.....Cleo S. Symington, Prem.
Architect.....None.
Day's work.....COST, \$1000

ADDITION

(2524) W ELEVENTH AVE 175 S
Moraga. Add for dwelling.
Owner.....Oscar Liebert, 1733 11th
avenue, S. F.
Architect.....None.
Day's work.....COST, \$1200

ALTERATIONS

(2525) NE POLK and VALLEJO. Al-
ter and add for flats.
Owner.....Mrs. Emma Quinn, — 10th
avenue, S. F.
Architect.....W. D. Shea, 244 Kearny
San Francisco.
Day's work.....COST, \$1000

DWELLING

(2526) E ARKANSAS 416 S 22nd. One
story and basement frame dwelling.
Owner.....Miss Margaret Johnston.
4070 17th street, S. F.
Architect.....J. T. Johnston, 4070 17th
street, S. F.
Day's work.....COST, \$1000

ALTERATIONS

(2527) SE TWENTY-FOURTH and
Osage. Alterations for present build-
ing; change same into stores and add
to same.
Owner.....R. W. Moller, 756 Cali
Bldg., S. F.
Architect.....None.
Day's work.....COST, \$2900

ALTERATIONS

(2528) N CLAY between Cherry and
1st avenue, No. 3912 Clay. Altera-
tions and additions to building.
Owner.....Samuel J. Newman, Prem.
Architect.....Heiman & Schwartz, Ne-
vada Bank Bldg., S. F.
Contractor.....James F. McCarthy.
Filed Aug. 28, '16. Dated Aug. 26, '16.
Completed\$437.50
60 days after completion218.75
90 days after completion218.75
TOTAL COST, \$875
Bond, Sureties, Forfeit, none. Limit
30 days from issuance of permit. No
plans or specifications filed.

DWELLING

(2529) NO. 144 27TH (rear). All work
for one-story and basement frame
dwelling.

Owner.....Michael Lousanan, Prem.
Architect.....Fabre & Bearward, 625
Market S. F.

Contractor.....M. L. Lauchere & J. B
Bourdien, 804 Potrero frame
San Francisco.

Filed Aug. 28, '16. Dated Aug. 16, '16
Enclosed ready for plaster and
roof on\$450
Completed and accepted450
Usual 35 days300
TOTAL COST, \$1200

Bond, \$600. Sureties, Michael Mazeris
and Remy Lassalle. Forfeit, none.
Limit, 45 days. Plans and specifica-
tions filed.

EMERGENCY HOSPITAL

(2530) N BUSH 102-6 E Hyde E 35xN
137-6. All work for one-story and
basement Class A building (Emer-
gency Hospital building).

Owner.....St. Francis Hospital, Prem.
Architect.....Alfred I. Coffey, 783 Mar-
ket, S. F.

Contractor.....Higginson Co.
Filed Aug. 28, '16. Dated Aug. 23, '16.
On 1st of each month75%
Usual 35 days25%
TOTAL COST, \$15,000
Bond \$7,500. Sureties, J. H. McCallum
and E. O. Benner. Forfeit \$50. Limit,
90 days from completion of steel frame.
Plans and specifications filed.

RESIDENCE

(2531) E TWENTY-FIFTH AVE 160 N
Lake N 30x E 120. All work for a
two-story residence.
Owner.....Suzanne W. Richardson.
Architect.....Falch & Knoll, Hearst
Bldg., S. F.

Contractor.....Higginson Co.
Filed Aug. 28, '16. Dated Aug. 21, '16.
Frame up\$3225
Brown coated2225
When completed2225
Usual 35 days2225
TOTAL COST, \$8900

Bond, \$4450. Sureties, U. S. Fidelity
and Guaranty Co. Forfeit \$10. Limit,
75 working days. Plans and specifica-
tions filed.

DWELLING

(2532) E NINTH AVE 200 N Anza.
Two-story and basement frame
dwelling.
Owner.....Albert A. Russell, 75 Bros-
nan, S. F.
Architect.....None.
Day's work.....COST, \$2900

ALTERATIONS

(2533) NW LARKIN and ELLIS.
Changes in store.
Owner.....Moffatt Estate Co., Prem.
Architect.....None.
Contractor.....Chas. Nagel, 381 10th, San
Francisco.
COST, \$1000

REPAIRS

(2535) NOS 973-5-7-9 BRYANT. Gen-
eral repairs for flats.
Owner.....Wm. H. Donahue, Court
House, Oakland.
Architect.....None.
Day's work.....COST, \$450

APARTMENTS

(2536) W MISSION 795 S College Ave.
Two-story and basement frame (4)
apartments.

Contractors all over the country are moving more material in less time and at a smaller expense with
FOUR WHEEL DRIVE TRUCKS
than with any other method of transportation.

Consider what power on all four wheels would mean for you in your business.

Large Contractors and corporations the world over are finding that power on all four wheels results definitely and decisively in:--

100 per cent saving in cost of tires.

Greater durability to every wearing part.

Allows equal distribution of load, thus

Eliminating undue strain on any one part.

Enormous saving in cost of up-keep.

More mileage per gallon of gasoline and oil.

DEPENDABLE SERVICE - no idle days waiting for repairs.

Remember that every F. W. D. Truck built in the past seven years is working to-day, and they are performing harder and more persistent service at a given cost than any other truck built to-day.

You owe it to yourself to investigate the F. W. D. truck.

Four Wheel Drive Truck Co.

Telephone Market 334 343 Golden Gate Ave.

San Francisco

**Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City**

Owner... G. I. Pehrson, Premises.
 Architect... O. E. Evans & Co., 2569
 Mission, S. F.
 Day's work. COST, \$4000

ADDITION
 (2537) SW MONTGOMERY and Francisco. Add one story (reinforced concrete) to six-story warehouse and factory.

Owner.....Zellerbach Co., 534 Battery street, S. F.
 Consulting Engineers, Macdonald & Kahn, Rialto Bldg., S. F.
 Contractor...Macdonald & Kahn, Rialto Bldg., S. F.
 COST, \$10,000

DWELLING
 (2738) N SUSSEX 150 W Castro. One- and one-half story and basement frame dwelling.

Owner.....A. C. Brown, 17 Surrey, San Francisco.
 Architect....None.
 Day's work. COST, \$1800

ALTERATIONS
 (2539) NO 3, MARKET. Change front. Owner.....Mead's Restaurant.
 Architect....None.
 Day's work. COST, \$400

REPAIRS
 (2540) NO. 2464 SUTTER. Repair present building.
 Owner.....W. W. Ayle, 1466 10th Ave., San Francisco.
 Architect....None.
 Day's work. COST, \$400

REPAIRS
 (2541) SW LAIDLEY AND ROANOKE. Put in foundation and make repairs. Owner....W. H. Hunter, 552 Laidley.
 Architect....None.
 Day's work. COST, \$409

GARAGE
 (2542) NO. 545 TENTH AVE. One-story frame garage.
 Owner.....Fred Stroh, 515 10th Ave., San Francisco.
 Architect....None.
 Contractor...O. C. Holt, 110 Jessie, San Francisco.
 COST, \$100

(2543) NE STOCKTON AND GEARY. Change partitions.
 Owner.....Rehson & Sattler, 1201 Nevada Bank Bldg., S. F.
 Architect....None.
 Day's work. COST, \$100

ALTERATIONS
 (2544) NO. 20 GEARY. Change store front.
 Owner.....T. Masco, Premises.
 Architect....None.
 Day's work. COST, \$100

ELEVATOR
 (2545) NO. 505 SACRAMENTO. Install hand power elevator.
 Owner.....Ching Sai Yat Co., Frem.
 Architect....None.
 Day's work. COST, \$400

DWELLING
 (2546) NE TWENTY-NINTH AVE and Lake. Two-story and basement frame dwelling.
 Owner.....Allen & Co., 125 Sutter, San Francisco.
 Architect....Architectural Dept. of Allen & Co., 125 Sutter, San Francisco.

Contractor...Allen & Co., 28th avenue and Lake, S. F.
 COST, \$7500

DWELLING
 (2547) NE GOETTINGER 100 NW Ward. One-story and basement frame dwelling.
 Owner.....Erminio Bernattoni, 340 Crescent, S. F.
 Architect....None.
 Day's work. COST, \$400

DWELLING
 (2548) E TWENTY-SECOND AVE 175 S Clement. Two-story and basement frame dwelling.
 Owner.....N. J. Nelson, 547 Elizabeth, San Francisco.
 Architect....None.
 Day's work. COST, \$2900

FLAT AND SHOP
 (2549) SW SUMNER 75 E Howard SE 25xSW 58. All work for two-story frame flat and shop.
 Owner.....Anna Budde.
 Architect....E. A. Hermann, 3163 Folsom, S. F.
 Contractor...John Westerland, 3159 Folsom, S. F.

Filed Aug. 30, '16. Dated Aug. 26, '16.
 Frame up\$607
 Plumbing and electrical work roughed in and ready for lathing 607
 White coated and ready for interior finish 607
 Completed and accepted 607
 Usual 35 days 810
 TOTAL COST, \$3240

Bond, \$1620. Sureties, Henry C. Hagensen and John A. Anderson. Forfeit, \$2. Limit, 65 days. Plans and specifications filed.

(2550) W BATTERY 45-10 N Pine N 140-1xW 137-6. Electric wiring.
 Owner.....John A. Hooper.
 Architect....Kenneth MacDonald, Jr., Holbrook Bldg., S. F.
 Contractor...Butte Engineering and Electric Co., 683 Howard, San Francisco.
 Filed Aug. 28, '16. Dated Aug. 19 '16.
 Payments not given.
 TOTAL COST \$3018

Bond, Sureties, Forfeit, Limit, none. No plans or specifications filed.

PLUMBING AND GAS FITTING
 (2551) SE STEINER AND McALLISTER. All work for plumbing and gas fitting for alterations to flats.
 Owner.....Ann and Grace Wheeler, Frederick Apts., 336 41st St., Oakland.
 Plans by Alfred Le Gault, 3929 West, Oakland.
 Contractor...J. J. McLeod, 1143 Golden Gate S. F.

Filed Aug. 30, '16. Dated Aug. 28, '16.
 Roughed in\$288.75
 Completion 288.75
 Usual 35 days 192.50
 TOTAL COST, \$770

Bond, \$385. Sureties, Richard Coppin and Sarah L. Cochran. Limit, Forfeit, none. No plans or specifications filed.

DWELLING
 (2552) NE REVERE 75 NW Keith NW 25xNE 100. All work for one and one-half story frame dwelling.
 Owner.....F. W. Coates.
 Architect....None.

Contractor...T. L. Shorman, 1440 Shafter avenue, S. F.
 Filed Aug. 30, '16. Dated Aug. 18, '16.
 Frame up\$525
 Brown coated 525
 Completed and accepted 525
 Usual 35 days 525
 Balance monthly of not less than \$15 per month.

TOTAL COST, \$2300
 Bond, \$1150. Sureties, Leon J. Hermitte and James E. Donoghue. Forfeit, none. Limit, 75 days. No plans or specifications filed.

RESIDENCE
 (2553) S BUSH 137-6 E Lion E 27-6x S 137-6. All work for two-story and basement frame residence.
 Owner.....Fred W. and Annie Wise, 2865 Bush, S. F.
 Architect....O. E. Evans & Co., 2567-A, Mission, S. F.
 Contractor...Oliver Evans, 1224 Naples, San Francisco.

Filed Aug. 30, '16. Dated Aug. 16, '16.
 Frame up\$750
 Brown coated 750
 Completed and accepted 750
 Usual 35 days 750
 Bal. of \$1250 promissory note, payable monthly of \$25 per month at rate of 6% per annum Note secured by deed of trust on above property.

TOTAL COST, \$4250
 Bond, none. Limit, 65 days. Plans and specifications filed.

PLASTERING
 (2554) S MARKET and 8th SW 200 SE275 NE 155 NW 105 NE 45 NW 170. Inside ornamental plastering for alteration of seven-story and basement hotel building.

Owner.....James Otis, trustee, 310 California, S. F.
 Architect....Wright & Rushforth, 354 Pine, S. F.
 Contractor...Lyden & Bickel, 269 Fell, San Francisco.

Filed Aug. 31, '16. Dated Aug. 28, '16.
 Browning completed\$2500
 Completed and accepted 4115
 Usual 35 days 2206

TOTAL COST, \$3821
 Bond, \$4,410.50. Sureties, U. S. Fidelity and Guaranty Co. Forfeit, \$25. Limit, 34 days. Plans and specifications filed.

RESIDENCE
 (2555) W TWENTY-THIRD AV 125 S California S 25xW 120. All work for a two-story residence.
 Owner.....Geo. and Mary Ellis, 1342 McAllister, S. F.
 Designer....Milton W. Morrison, 374 26th avenue, S. F.
 Contractor...Thomas Hamill 5535 Geary, San Francisco.

Filed Aug. 21, '16. Dated Aug. 30, '16.
 Frame up\$1050
 Brown plastered 1075
 When completed 1075
 Usual 35 days 1075

TOTAL COST, \$4275
 Bond, Sureties, Forfeit, none. Limit, 70 working days. Plans and specifications filed.

FLATS
 (2056) W HOWARD 60 S 20th. All work except mantels, gas fixtures and shades for two-story and basement frame flats.

Owner.....Catherine C. Bannan.
Architect.....None.
Contractor...Mager Bros., 110 Jessie,
San Francisco.

Filed Aug. 31, '16. Dated Aug. 30, '16.
Frame up\$1818
Brown coated1818
Accepted1821
Usual 35 days1818
Bond, Sureties, Forfeit, none. Limit.
TOTAL COST, \$7275
90 days from Aug. 30. Plans and specifications filed.

ADDITIONS

(2557) E Devisadero 141 N Vallejo.
Carpentry and plumbing work for alterations and additions to two-story frame residence.

Owner.....E. F. Dill.
Architect.....None.
Contractor...J. J. Koschnitzki, 1321 12th
avenue, S. F.

Filed Aug. 31, '16. Dated Aug. 25, '16.
Frame completed\$1450
Roof on and ready for plaster-
ing700
Standing finish on700
Completed and accepted600
Usual 35 days1150
TOTAL COST, \$4600

Bond, \$3300. Sureties, Hartford Accident and Indemnity Co. Forfeit, none. Limit, 60 days. Plans and specifications filed.

RESIDENCE

(2558) W UTAH 250 N 24th. All work for one-story and basement frame building (residence.)

Owner.....Emil Lager.
Architect.....Arthur G. Scholz, 839
Phelan Bldg., S. F.
Contractor...Joel Johnson, 110 Jessie,
San Francisco.

Filed Aug. 31, '16. Dated Aug. —, '16.
Frame up ready for roofing.....\$575.00
Brown coated500.00
Completed and accepted.....636.50
Usual 35 days568.50
TOTAL COST, \$2274
Bond, Sureties, Forfeit, none. Limit,
50 days. Plans and specifications filed.

FRAME BUILDING

(2559) W SAN JOSE AVE 223-3 S
24th S 27-1/2 W 175. All work for two-story and basement frame building.
Owner.....John D. Stelling, care
Rolph Navigation Co, 250
California, S. F.

Architect.....C. O. Clausen, Hearst
Bldg., S. F.
Contractor...Charles Cohn, 1030 21th,
San Francisco.

Filed Aug. 31, '16. Dated Aug. 30, '16.
Frame up\$1087
Brown coated1087
Standing finish on1088
Completed and accepted.....1088
Usual 35 days1450
TOTAL COST, \$5800

Bond, \$2900. Sureties, Chas. Monson and V. Meinberger. Forfeit, \$5. Limit, 70 days. Plans and specifications filed.

DWELLING

(2560) 15 EIGHTEENTH AVE 100 S
Balboa. Two-story and basement frame dwelling.

Owner.....F. Monson, 354 Sussex, San
Francisco.
Architect.....None.
Day's work. COST., \$2606

DWELLING

(2561) E EIGHTEENTH AVE 125 N
Balboa. Two-story and basement

frame dwelling.

Owner.....James Welsh, 543 18th ave-
nue, S. F.

Architect.....None.
Day's work. COST, \$3000

ALTERATIONS

(2562) NO. 1351 GREEN. Alterations
for dwelling.

Owner.....Victor Podesto, Premises.
Architect.....August G. Headman, 737
New Call Bldg., S. F.
Day's work. COST, \$300

ALTERATIONS

(2563) NO. 267 CHERRY. Alterations
for dwelling.

Owner.....R. C. Ramsdell, Premises.
Architect.....None.
Contractor...T. J. Donovan 1477 6th ave-
nue, S. F.
COST, \$850

CONCRETE FOUNDATION

(2564) E TEXAS 92 N 20th. Concrete
foundation, underpin, etc.

Owner.....J. S. Ryan, 2448 Third, San
Francisco.
Architect.....None.
Day's work. COST, \$400

ELECTRIC SIGN

(2565) NO. 2558 MISSION. Electric
Sign

Owner.....P. X. Varellas, Premises.
Architect.....None.
Contractor...Brumfield Electric Sign
Co., 18 7th, S. F.
COST, \$400

ELECTRIC SIGN

(2566) NO. 181 EDDY. Electric Sign.
Owner.....L. J. Dignan, Premises.

Architect.....None.
Contractor...Brumfield Electric Sign
Co., 18 7th, S. F.
COST, \$100

ALTERATIONS

(2567) NO. 2659 FILBERT. Altera-
tions for dwelling, painting, etc.

Owner.....W. W. Rednall, 2500 Fil-
bert, S. F.
Architect.....None.
Day's work. COST, \$100

ALTERATIONS

(2568) NO. 2165 UNION. Alterations
in dwelling.

Owner.....A. Zietich, 2190 Union, San
Francisco.
Architect.....None.
Day's work. COST, \$400

ADDITION

(2569) NO. 529 MOSCOW. Add to
dwelling.

Owner.....Mrs. A. Weuster, Premises.
Architect.....None.
Day's work. COST, \$500

ROOF

(2570) NW MISSION and 21st. Five-
ply T. & G. roof.

Owner.....Ebbinghausen Estate, 46
Kearny, S. F.
Architect.....H. Gelfuss & Con, 46
Kearny, S. F.
Day's work. COST, \$450

ALTERATIONS

(2571) SE POST AND LAGUNA. Al-
terations for bakery.

Owner.....O. F. Schuppert and wife,
62 Post, S. F.
Contractor...Pettersson & Persson, 62
Post, S. F.
COST, \$600

DWELLING

(2572) E LAGUNA 100 N Lombard.
One-story and basement frame dwlg.

Owner.....Andrea Marenzi, 3223 La-
guna, S. F.
Architect.....None.
Day's work. COST, \$1500

REPAIRS

(2573) NO. 3577 JACKSON. Repairs
for garage.

Owner.....Fred Haas, Jr., 2022 Fell,
San Francisco.
Architect.....None.
Day's work. COST, \$950

FLATS

(2574) E SHRADER 30 S Rivoli. Two-
story and basement frame flats.

Owner.....F. W. Mecklenberg, 1837
Oak, S. F.
Architect.....None.
Day's work. COST, \$4950

(2575) W LEAVENWORTH, 77-19 N
Sutter. Glass and glazing on four-
story and basement Class "C" apart-
ment house.

Owner.....A. Rulfs, 955 Pine, S. F.
Architect.....Falch & Knoll, Hearst
Bldg., S. F.
Contractor...Schwartz & Gottlieb, 560
Eddy, S. F.
COST, \$615

(2576) ORNAMENTAL IRON on above.
Contractor...Michel & Pfeffer, 42 Otis,
San Francisco.

COST, \$860

(2577) STRUCTURAL IRON on above
Contractor...Schrader Iron Works, 1247
Harrison, S. F.

COST, \$630

(2578) ELEVATOR WORK on above
Contractor...Otis Elevator Co., Beach
and Stockton, S. F.

COST, \$1622

(2579) ELECTRIC WORK on above.
Contractor...American Electric En-
gineering Co., 1723 Polk, San
Francisco.

COST, \$925

ALTER AND ADD

(2580) SITE OF AFFILIATED COL-
leges. Alterations and additions to
Dental College Bldg.

Owner.....University of California.
Architect.....Lewis P. Hobart, Crocker
Bldg., S. F.

Contractor...McLeran & Peterson, Shar-
on Bldg., S. F.
COST, \$15,200

ELECTRIC WORK

(2581) E TENTH AVE 150 N Clement
N 50x8 120. Electric work, etc for a
two-story frame residence.

Owner.....Phillip Kohn, Kohl Bldg.,
San Francisco.
Architect.....Cunningham & Politeo, 1st
Nat'l Bank Bldg., S. F.

Contractor...National Electric Co., 103
Turk, S. F.

Filed Sept. 1, '16. Dated Aug. 29, '16.
On 1st and 15th of each month.....75%
Usual 35 days25%
TOTAL COST, \$966

Bond, \$453. Sureties, United States
Fidelity and Guaranty Co. Forfeit, \$5.
Limit, 30 days after notification. Plans
and specifications filed.

(2582) GAS FITTING, PLUMBING, vacuum cleaning pipes, etc., on above. Contractor, James H. Pinkerton, 2266 Fulton, S. F.

Filed Sept. 1, '16. Dated Aug. 29, '16. Payments same as above.

TOTAL COST, \$1244

Bond, \$622. Sureties, Fidelity and Deposit Co. of Maryland. Forfeit, \$5. Limit 35 days after ready. Plans and specifications filed.

(2583) EXTERIOR AND INTERIOR painting on above.

Contractor, Martin Peterson, 215 29th, San Francisco.

Filed Sept. 1, '16. Dated Aug. 29, '16. Payments same as above.

TOTAL COST, \$930

Bond, \$465. Sureties, Massachusetts Bonding and Insurance Co. Forfeit, \$5. Limit, 25 days after ready for same. Plans and specifications filed.

(2584) HARDWOOD FLOORS, SASHES, doors, glazing, screens, interior finish, wood cornices, book cases, hardware on above.

Contractor, L. and E. Emanuel, 144 12th, S. F.

Filed Sept. 1, '16. Dated Aug. 26, '16. Payments same as above.

TOTAL COST, \$4650

Bond, \$2325. Sureties, New Amsterdam Casualty Co. Forfeit, \$5. Limit, 30 days after notified. Plans and specifications filed.

(2585) EXCAVATING, CONCRETE, dampproofing, cement floors, steps, brick work, carpentry, mill work, roof, windows, lath, plaster, etc., on above.

Contractor, J. Koschnitzki, 1321 12th avenue, S. F.

Filed Sept. 1, '16. Dated Aug. 25, '16. Payments same as above.

TOTAL COST, \$7272

Bond, \$3636. Sureties, National Surety Co. Forfeit, \$5. Limit, 70 days after required. Plans and specifications filed.

DWELLING

(2533) E NINTH AVE 175 N Anza. Two-story and basement frame dwelling.

Owner, Albert A. Russell, 75 Brogan, S. F.

Architect, None.

Day's work. COST, \$2900

APARTMENT BUILDING

(2586) NW ASHBURY AND FELL N 100xW 56-3. Carpenter work for a four-story apartment building.

Owner, E. G. Fisher, 623 Clayton, San Francisco.

Architect, Edw. T. Foulkes, Crocker Bldg., S. F.

Contractor, K. H. McKenzie, 2783 McAllister, S. F.

Filed Sept. 1, '16. Dated Sept. 1, '16. On or before 16th each month, 75% Usual 35 days 25%

TOTAL COST, \$15,374

Bond, \$7687. Sureties, J. H. Pinkerton and L. M. Zimmerman. Forfeit, none. Limit, without delay. Plans and specifications filed.

(2587) LATH AND PLASTER on above Contractor, F. W. Mecklenburg, 1837 Oak, S. F.

Filed Sept. 1, '16. Dated Aug. 25, '16. Payments same as above.

TOTAL COST, \$3680

Bond, \$1840. Sureties, Guardian Casualty and Guaranty Co. Forfeit, none. Limit, without delay. Plans and specifications filed.

LEASE.

Aug. 31, 1916—S MARKET 150 W 7th W 75xS 165. The Felton Company to Western Theatre Co, 10 years, \$187,000.

Aug. 28, 1916—N "I" 82-6 E 10th avenue E 56xN 160. Morris Fox to F. R. Macauley, 5 years \$10,500, with option to renew. Assigned August 25 by Morris Fox to Samuel and Dora Ungur.

Aug. 30, 1916—200 BOSWORTH, H. G. Brown to J. J. Burke 5 years \$25 per month and option to renew.

Aug. 28, 1916—483 and 485 BROADWAY S line between Montgomery and Kearny. C Ahello to M. S. Bacigalupi. Aug. 1, 1921, \$50 per month.

BUILDING PERMITS FOR AUGUST.

The following is a report of building operations for the month of August as issued by the Board of Public Works:

Class	No. Bldgs.	Amount
"A"	1	\$ 8,500
"B"	1	150,000
"C"	3	86,500
Frames	137	518,792
Alterations	418	210,159
Harbor Bldgs.	1	10,112
Public Bldgs.	1	8,957
	562	\$993,620

For the same month during the year 1915 the valuation of building permits issued by the Works Board amounted to \$970,090.

NOTICE OF NON-LIABILITY.

Aug. 28, 1916—SELMA. Central Pacific Railway on building California Peach Growers as to improvements on leased property.

NOTICE OF NON-RESPONSIBILITY.

Aug. 30, 1916—W TWENTY-SIXTH avenue 125 N Judah N 25x W 120. Sol Getz & Sons, Inc., as to improvements on leased property.

Aug. 31, 1916—SW POST and Fillmore 75 on Fillmore. No. 1651 Fillmore. Ida C. Schinkel as to improvements on leased property.

COMPLETION NOTICES.

San Francisco

RECORDED

ACCEPTED

Aug. 18, 1916—W LARKIN 30 S Post 54xW 95. Savings Union Bank & Trust Co to A P Brady. Aug. 11, 1916

Aug. 18, 1916—SE HAYES AND Octavia E 62-6xS 120. Daniel M Moran to Geo P Butler and Jno Cunningham, Extrs Estate Thos Butler, J W Smith and Martin H Carrick...

Aug. 18, 1916—S MARKET & THIRD SW 125 SE 100 NE 50 NW 30 NE 75 NW 70. City Investment Co to Ralph McLeran and C H Peterson (McLeran & Peterson). Aug. 15, 1916

Aug. 18, 1916—E UTAH 87-6 N 18th N 25x E 100. Jacob and wife Anna Cesar to W F Cook & Co. Aug. 18, 1916

Aug. 19, 1916—W SIXTEENTH AVE

203-11 N Clement N 25xW 120. Lorenz H and Henrietta M Hanson to Thomas McCormick. Aug. 18, 1916

Aug. 19, 1916—N EIGHTEENTH 55 E Lexington E 25xN 85. Geo A and Mary A Muller to Chester L Knight. Aug. 18, 1916

Aug. 19, 1916—LOT 2 BLK 2840 Forest Hill Court. The Newell-Murdoch Realty Co to Higginson Co., Inc. Aug. 14, 1916

Aug. 21, 1916—W ALDER ALLEY 24 S 21st, 32x117-6. Sarah Marks to E. K. Nelson. Aug. 21, 1916

Aug. 21, 1916—NW SANSOME AND Bush NW 137-6 W 67-6 S 137-6 E 67-6. Standard Oil Co. by P. J. Walker, Agent, to Vitrolite Construction Co. Aug. 12, 1916

Aug. 22, 1916—LOTS 12 AND 14 ON N Merced avenue, Forest Hill Extension. Ehrhart Construction Co. to J. J. Murray. Aug. 20, 1916

Aug. 22, 1916—NO. 3506 CLAY, Dr. R. G. Broderick to L. N. Vezina. Aug. 3, 1916

Aug. 22, 1916—W FIFTH AVE AND Mint NW 50xSW 75. Boyd Investment Co. to J. Harold Johnson, Aug. 7, 1916; Scott Company. Aug. 22, 1916

Aug. 23, 1916—E COLE between Alma and Grattan No. 1116 Cole. Ray Roberts to J. W. Marsden. Aug. 23, 1916

Aug. 23, 1916—SE FOURTH AND Brannan 137-6x275. John Bollman Company to Cramer Bros. Aug. 15, 1916

Aug. 23, 1916—NW VIENNA 200 NE Italy avenue NE 25xNW 100. John and Camelia Russo to C. A. Jeffers. Aug. 19, 1916

Aug. 24, 1916—NW BUSH AND Sansome N 137-6xW 67-6. Standard Oil Co. by P. J. Walker, agent, to H. Maundrell, Aug. 15, 1916; Standard Electric Construction Co. Aug. 15, 1917

Aug. 24, 1916—NW SAN JOSE and Lakeview 25x100. W. R. Meredith to Emil F. Tomnitz. Aug. 23, 1916

Aug. 24, 1916—NE REVERE AVE 137-6 NW Keith NW 37-6xNE 100. G. B. Finocchio to O. Swanson. Aug. 22, 1916

Aug. 24, 1916—W HYDE 117-11 N Broadway N 19-7xW 70. Dolores Barry to E. S. Montgomery. Aug. 24, 1916

Aug. 24, 1916—W SIXTEENTH AVE 175 S Balboa 25x120. Fred K. Perry to whom it may concern. Aug. 24, 1916

Aug. 24, 1916—LOT 24, BLK 2975 Claremont Court. Alfred L. Meyerstein to C. E. McMullin and Von Voorhies. Aug. 5, 1916

Aug. 24, 1916—E TWELFTH AVE 100 N Cabrillo N 25x E 120. David and Elizabeth G. Kron to Alton R. Lapham. Aug. 24, 1916

Aug. 25, 1916—NE VALLEJO AND Jones E 137-6xN 137-6. Norman B. Livermore to Marcus Marcussen. Aug. 23, 1916

Aug. 25, 1916—SE HAYES and Octavia E 62-6xS 120. Daniel M. Moran to H. L. Peterson. Aug. 22, 1916

Aug. 25, 1916—NO. 1231 MARKET. James Otis, Trustee, to John B. Dennis. Aug. 22, 1916

Aug. 25, 1916—E TWELFTH AVE 150 N Fulton N 25x E 120. Bertha A. Gribble to Charles Schwarz. Aug. 25, 1916

Aug. 25, 1916—SE CLEMENT & 40th avenue E 30xS 100. Pockman & Co. to whom it may concern.....Aug., 1916
Aug. 25, 1916—NW EDDY and Pierce 30x75. Virginia Luvisi to John H. Merz.....Aug. 25, 1916
Aug. 26, 1916—PROPERTY IN BLK bounded by Market, Spear, Mission and Stewart. Southern Pacific Co. to D. J. Dolan Wrecking and Construction Co.....Aug. 22, 1916
Aug. 26, 1916—W SEVENTEENTH avenue 146-1 S California S 25xW 120. John T. Gallagher to E. F. Helms.....Aug. 25, 1916
Aug. 28, 1916—W TWENTY-SECOND avenue 200 N Anza N 25x120. John H. or John Harvey Frederick to Devincenzi Bros. & Co., Aug. 23, 1916
Aug. 28, 1916—W FORTY-FIFTH avenue 100 N Judah. Neil Bros. to whom it may concern.....Aug. 23, 1916
Aug. 28, 1916—W FORTY-FIFTH AV 125 N Judah 25x120. Neil Bros. to whom it may concern.....Aug. 23, 1916
Aug. 28, 1916—SE FOURTH and Brannan 187-6x275. The John Bollman Company to Lange & Bergstrom and Alexander Coleman.....Aug. 15, 1916
Aug. 28, 1916—SE FOURTH and Brannan 137-6x275. The John Bollman Company to Lange & Bergstrom and Pacific Fire Extinguisher Company.....Aug. 15, 1916
Aug. 28, 1916—NW NAPLES 300 NE France avenue NE 25xNW 100, pt. lot 7, Blk 44, Excelsior Hld. H. W. McPherson to whom it may concern.....June 12, 1916
Aug. 30, 1916—E TWENTY-FOURTH avenue 50 N Anza N 25xE 31-S. Jacob Weissbein to Ernest E. Dunn.....Aug. 30, 1916
Aug. 30, 1916—S WASHINGTON 60 W Devisadero W 60xS 50. Sarah Lowenhein to Salih Construction Co., Aug. 23, 1916; Petersen-James Company, Aug. 24, 1916; H. S. Tuttle, Aug. 24, 1916; Demarta Painting Co.....Aug. 24, 1916
Aug. 30, 1916—W EUREKA NOS. 543-550 Eureka. Margaret M. Lynch Scanlan to Jeremiah Scanlan.....Aug. 26, 1916
Aug. 30, 1916—SW ELLIS and Hyde W 57-6xS 82-6. D. & S. Investment Co. to Jas. F. Smith.....Aug. 22, 1916
Aug. 30, 1916—SW FOLSOM and 26th W 170 S 150-9 1/2 more or less S 86 deg 35 min E 175 more or less N 173. Board of Trustees of Cogswell Polytechnical College to J. W. Bender Roofing and Paving Co.....Aug. 22, 1916
Aug. 30, 1916—SW UNION and Scott 52-6x110. Mrs. E. S. Tuttle Bray to Richard Sinnott and Charles Alsop.....Aug. 29, 1916
Aug. 31, 1916—SW FREDERICK and Downey W 53-1 1/2xS 106. Alfred Hampton to E. E. Carnahan, E. S. Mulford and Carnahan & Mulford.....Aug. 29, 1916
Aug. 31, 1916—SE FIFTEENTH and Albion avenue 32x106. P. J. Ferguson to William Heidenreich.....Aug. 20, 1916
Aug. 31, 1916—S FIFTEENTH 137-6 W Valencia 75x106. P. S. Ferguson to H. L. Peterson, Mortensen Construction Co., Comyns & Nygren et al.....Aug. 20, 1916
Aug. 31, 1916—W MASON 33-6 N Kent 20-6x50. G. Fignone to V. Filippis.....Aug. 31, 1916

Aug. 31, 1916—LOT 36 BLK 21 Crocker Amazon Tract. Anthony Glesin to C. E. McMullin.....Aug. 31, 1916
Sept. 1, 1916—W GILBERT 230 N Brannan 22.06x80. J. Hannan to Geo. D. Gilmour.....Sept. 1, 1916
Sept. 1, 1916—NW HAIGHT AND Cole, S. H. Levin to Golden Gate Iron Works, Aug. 28; Trevia & Pasqualetti.....Aug. 23, 1916
Sept. 1, 1916—NE LAKE and 22nd avenue E 57-6xN 100. John H. Sherry to Scott Co.....Aug. 31, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED	AMOUNT
Aug. 12, 1916—S GERMANIA AVE 210 E Fillmore E 25xS 62. Gus Johnson vs E C Duggan and Moore & Burlingame.....	\$85
Aug. 12, 1916—W GUERRERO 65 N 17th. William Maundrell vs J S Hofmeister and Frank E Berdahl (as Hofmeister & Berdahl).....	\$309
Aug. 16, 1916—W SAN CARLOS AVE 210 N 19th N 20-6xW 80. Julius E Back vs John F Haner.....	\$95
Aug. 16, 1916—S PINE 68-9 E Sansome E 34-4 1/2xS 96. The Simplex Window Co vs Postal Realty Co and D W Carmichael and D L Thornbury.....	\$70.08
Aug. 16, 1916—NW POWELL & BUSH 77-6x55-6. Phillip O'Donnell vs Joseph Cahen and Edward J Greenhood.....	\$50
Aug. 18, 1916—E RHODE ISLAND, 100 S 22nd, E 25xN 100. T. W. Simmie & Co. vs. G. Orri, Flinn & Treacy and H. V. Tucker.....	\$754.97
Aug. 19, 1916—COMG 25 S CABRILLO, S 75xE 120; com'g 35 S Cabrillo S 125, W 120, N 50, E 20, N 75, E 100. J. R. McLeod, \$69; Robert Clark, \$80 vs. Beno Meyer and Finance and Realty Development Co.....	\$110
Aug. 19, 1916—NW EAGLE & YUKON N 266-7 W 104 S 248-6 E 70-9. Leonard Lumber Co vs Alvilda Lehman.....	\$380.11
Aug. 19, 1916—NW 24TH & POPLAR Alley W 30 N 80-1 NE 30-2 1/2 m or 1 S 84-7 1/4. Edwin T Peterson vs Frank Saportiti, Theresa Benetti and J S McLelland.....	\$253
Aug. 21, 1916—E THIRTY-EIGHTH avenue 125 N Fulton N 25xE 120. San Francisco Lumber Co. vs. W. F. and Jeanette Yates and Curtis and Amelia Frances Berry.....	\$528.53
Aug. 21, 1916—NW NINETEENTH and Church, W 30xN 70. J. H. Wickstrom vs. O. E. Evans & Co., George S. Long, Jr., and Lottie M. Long.....	\$187.50
Aug. 23, 1916—W GUERRERO 65 N 17th N 25xW 85. C. Farrenkopf vs. James and Lillian Fitzpatrick and John Doe Hofmeister and Richard Roe Berdahl as Hofmeister & Berdahl.....	\$200
Aug. 22, 1916—E THIRTY-EIGHTH avenue 125 N Fulton N 25xE 120. J. J. Powers vs. William F. Yates, Curtis Berry and Amelia Frances Berry.....	\$250
Aug. 25, 1916—BUSH 187-6 W Powell, W 87-6xN 137-6. Willett & Burr vs. L. M. Bigelow.....	\$36
Aug. 26, 1916—NE CALIFORNIA and Divisadero E 30xN 62. F. G. Denke vs. John P. Hart.....	\$150

Aug. 30, 1916—W GUERRERO 65 N 17th N 25xW 85. John Carlin vs. J. S. Hofmeister and F. E. Berdahl, James and Lillian Fitzpatrick.....\$30
Aug. 30, 1916—N GEARY 52-6 E 19th avenue E 50xN 75. Marshall & Stearns Co. vs. Thos. Scoble.....\$102
Aug. 30, 1916—NW TWENTY-THIRD avenue and Rivera (R) W 32-6xN 100. C P Carlson vs. John F. and Itae Haner, Charles Wolf, Jr., and Edna W. Wolf.....\$60
Aug. 31, 1916—E FORTY-FOURTH avenue 225 S Geary S 25xE 120. Alfred Pelton vs. Finance and Realty Dev. Co.....\$17.50
Aug. 31, 1916—E FORTY-FOURTH 200 S Geary S 25xE 120. Alfred Pelton vs. Finance and Realty Development Co.....\$22.50
Aug. 31, 1916—E FORTY-FOURTH avenue 250 S Geary S 25xE 120. Alfred Pelton vs. Finance and Realty Development Co.....\$32.50

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, County Engineer, Oakland. Owners, Alameda County. Bids will be opened on September 18th at 10 a. m. for oiling and screening of portions of County Road No. 357, or the Redwood Road, and County Road No. 35, or Laurel avenue, in Eden Road District, Eden Township.

RESIDENCE—2 story and base, frame, \$6,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Robert Shuey. Location, Benvenue, near Ashby. Will contain eight rooms, three baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Owner, R. Cormack, 589 39th street, Oakland. Architect, none. Owner, R. Cormack, 589 39th street, Oakland. Location, South Rich, west of Webster. Will contain six rooms bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, Alvin J. Stern, 306 14th street, Oakland. Owner, Roy Pellaton. Location, 41st and Manila. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, Arvid E. Olson, 2129 Telegraph avenue, Berkeley. Location, East Park, north of Oregon. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,700. Alameda, Alameda Co., Cal. Architect, none. Owner, G. H. Noble, 2220 Central avenue, Alameda. Location, 2502 Noble avenue. Will contain four rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, Edward Larmer, 470 Boulevard Way, Oakland. Location, South Derby and Ellsworth. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,800. Oakland, Cal. Architect, none. Owner, A. D. Darling, 2264 East 21st street, Oakland. Location, south corner of 23rd avenue and East 29th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect, none. Owners, P. S. Walsh, 495 Rich street, Oakland. Location, South Rich, east of Telegraph. Will contain five rooms, bath and sleeping porch. Plans complete and work done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Oakland, Cal. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, South Arkansas, east of Curran avenue. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,500. Oakland, Cal. Architect, none. Owner, L. J. Dolan, 2257 East 16th street, Oakland. Location, East Santa Clara, south of Valle Vista. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,250. Berkeley, Alameda Co., Cal. Architect, none. Owner, M. E. Taylor, 1607 Sonoma avenue, Berkeley. Location, North Ada, west of Sacramento. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,800. Oakland, Cal. Architect, none. Owner, S. Matto, 5126 Lawton avenue, Oakland. Location, East Lawton, north of 51st. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, R. C. Hillman, 430 Haight avenue, Alameda. Location, West Sacramento, north of Cedar. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,500. Oakland, Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, M. P. Bransch. Location, Thousand Oaks Park. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame. Cost not stated. Oakland, Cal. Architects, Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. Owner, Mrs. Newsom. Location, Thousand Oaks Park. Will contain seven rooms, bath and sleeping porch. Plans complete and figures being taken.

BANK—1 story and base, reinforced concrete, \$10,000. Alameda, Alameda Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owners, Citizens Bank of Alameda. Location, corner of Webster and Haight streets. Will contain public space, banking rooms, vaults and office. Plans complete and figures being taken.

BANK AND APARTMENTS—2 story and base, frame, \$6,000. Oakland, Cal. Architects Oliver and Thomas, Pantages Theatre Bldg., Oakland. Owners, E. P. and J. Jacoby. Location, corner

of Miles and College avenues. Will contain a branch bank on the first floor and apartments above. Plans complete and figures being taken.

SCHOOL—1 story and base, concrete or hollow tile, \$34,816. Albany, Alameda Co., Cal. Architect, J. J. Donovan, Perry Bldg., Oakland. Owners, City of Albany. E. E. Etherton, Monadnock Bldg., S. F., submitted the lowest figures for this work and will probably be awarded the contract. A complete list of the bids received will be found under the head of Oakland and Alameda County.

SCHOOL—2 story and base, brick and concrete, \$75,000. Alameda, Alameda Co., Cal. Architects, Cunningham & Polite, First National Bank Bldg., S. F. Owners, City of Alameda. Revised plans are complete and figures will again be called for on the Lincoln School. An official advertisement will be published this week.

PRODUCE BUILDINGS—2, 1 story, brick. Cost not stated. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Fruit & Produce Realty Co. Location, southwest corner of Second and Franklin streets. One building will cover an area of 75 by 75 feet and the other 75 by 100 feet. Plans and figures being taken.

Building Contracts Awarded Oakland

No.	Owner	Contractor	Am't.
2044	Tyson	BKertelsen	1600
2045	Volling	Rubenstein	400
2046	Kelleher	Chichester	500
2047	Arve	Woolley	1100
2048	Cornack	Cornack	2400
2049	Finey	Quigley	1800
2050	Latimer	Swenson	2610
2052	Levagge	Neal	1020
2054	Rosenberg	Curry	2500
2055	Kat	Kat	500
2056	Vollmar	Vollmar	2500
2057	Darling	Darling	1800
2058	Walsh	Walsh	1600
2059	Noble	Noble	1700
2060	Decota	Goodmunson	400
2067	Busch	Kolmodin	2000
2068	Hillen	Hillen	2000
2069	Hillen	Hillen	2000
2070	Coit	Coit	3000
2071	Reynolds	Foster	400
2072	Dolan	Dolan	2500
2075	Matto	Matto	1800
2074	Reiff	Reiff	400
2075	Domoto	Domoto	500
2076	F & P Co.	Christensen	4900
2079	Turner	Dahnen	1000
2080	Woodward	Woodward	2000
2081	Chamberlain	Whalin	400
2082	Jackson	Blake	5000
2086	Crawford	Rutherford	5536

STORE

(2013) S EAST FOURTEENTH ST. 56 E 81st street, Oakland. One-story store.

Owner, M. J. Schmidt, 1606 54th avenue, Oakland.

Architect, None.

Day's work. COST, \$500

ALTERATIONS

(2041) SOTELLO AVE. Piedmont Acres, Oakland. Alterations.

Owner, Jas. Tyson, 25 Sotello avenue, Oakland.

Architect, None.

Contractor, S. J. Bertelsen, 667 39th street, Oakland.

COST, \$1600

GARAGE

(2045) NO. 5305 BELVEDERE, Oakland. Garage.

Owner, I. Volting, Wollende Apartments, Oakland.

Architect, None.

Contractor, K. Rubenstein, 668 6th St. Oakland.

COST, \$400

ADDITION

(2046) NO. 3760 MANILA AVE. Oakland. Addition.

Owner, N. Kelleher, 3766 Manila avenue, Oakland.

Architect, None.

Contractor, H. B. Chichester, 2826 Kelsey St., Berkeley.

COST, \$700

DWELLING

(2047) W NINETIETH AVE 300 N Blanche, Oakland. One-story four-room dwelling.

Owner, Mrs. A. Jarve.

Architect, None.

Contractor, Wooley & Rich, 4208 Lusk Oakland.

COST, \$1100

DWELLING

(2408) S RICH 60 W Webster, Oakland. One-story six-room dwlg.

Owner, R. Cornack, 583 39th St. Oakland.

Architect, None.

Day's work. COST, \$2400

ALTERATIONS

(2049) SW TWENTY-SEVENTH AND Telegraph, Oakland. Alterations.

Owner, James E. Finney, 536 18th street, Oakland.

Architect, None.

Contractor, C. E. Quigley, 771 Randolph, Oakland.

COST, \$1800

ALTERATIONS

(2052) SIXTY-SECOND AND DOVER streets, Oakland. All work for alterations and additions to two-story and basement dwelling except painting and finish hardware.

Owner, G. B. Levagge, 702 62nd, Oakland.

Architect, Italo Zanolin, 604 Montgomery St. S. F.

Contractor, Joseph Neal, Oakland.

Filed Aug. 23, '16. Dated Aug. 26, '16. Frame and roof in place, \$382.50

Completed and accepted, 382.50

Usual 35 days, 255.00

TOTAL COST, \$1020

Bond Sureties, none. Forfeit \$10

Limit, 30 days. Plans and specifications filed.

DWELLING

(2051) N OAKLAND AVE between Jerome and Greenback, Piedmont. One-story frame dwelling.

Owner, I. Rosenberg.

Architect, None.

Contractor, L. L. Curry.

COST, \$2500

ADDITION

(2055) NO. 2120 HUMBOLDT, Oakland. Addition.

Owner, Mrs. Jeannie A. Kat, Prem.

Architect, None.

Contractor, Wm. Kat, Premises.

COST, \$500

DWELLING

(2056) W THIRTEENTH AVE 301 N Hampel street, Oakland. One-story six-room dwelling.

Owner, F. W. Vollmar, 1183 Regent, Alameda.

Architect, None.

Contractor, W. G. Vollmar, 1183 Re-

gent, Alameda.

COST, \$2500

DWELLING

(2057) SE TWENTY-THIRD AVE and East 29th street, Oakland. One-story five-room dwelling.

Owner.....A. D. Darling, 2264 East 21st street, Oakland.

Architect....None.

Day's work.

COST, \$1800

DWELLING

(2058) S RICH 250 E Telegraph, Oakland. One-story five-room dwelling.

Owner.....P. S. Walsh, 495 Rich, Oakland.

Architect....None.

Day's work.

COST, \$1600

DWELLING

(2059) NO. 2503 NOBLE AVE, Oakland. One-story 4-room dwelling.

Owner.....G. H. Noble, 2320 Central avenue, Alameda.

Architect....None.

Day's work.

COST, \$1700

REPAIRS

(2066) NO. 2320 TELEGRAPH, Oakland. Roof repairs.

Owner.....Ezra Decoto, Security Bank Bldg., Oakland.

Architect....None.

Contractor.....A. K. Goodmundson, 565 16th street, Oakland.

COST, \$400

(2067) N MELROSE AVE 80 W 50th avenue, Oakland. One story six-room dwelling.

Owner.....P. J. Busch, 50th and Melrose avenues, Oakland.

Architect....None.

Contractor.....Chick & Kolmodin, 2624 60th avenue, Oakland.

COST, \$2000

DWELLING

(2068) S ARKANSAS 115 E Curran, Oakland. One-story five-room dwlg.

Owner.....R. C. Hillen, 430 Haight avenue, Alameda.

Architect....None.

Day's work.

COST, \$2000

DWELLING

(2069) S ARKANSAS 155 E Curran, Oakland. One-story, five-room dwlg.

Owner.....R. C. Hillen, 430 Haight avenue, Alameda.

Architect....None.

Day's work.

COST, \$2000

DWELLING

(2070) S CHENEY 50 E Walker avenue, Oakland. Two-story seven-room dwelling.

Owner.....C. B. Coit, 306 14th street, Oakland.

Architect....None.

Contractor.....Roger Coit, 306 14th street, Oakland.

COST, \$3000

ALTERATIONS

(2071) NOS. 377-9 NINTH ST., Oakland. Alterations.

Owner.....Chas. A. Reynolds.

Architect....None.

Contractor.....E. H. Foster, 563 17th St., Oakland.

COST, \$400

DWELLING

(2072) E SANTA CLARA AVE 200 S Valle Vista, Oakland. Two-story, seven-room dwelling.

Owner.....L. J. Dolan, 2257 East 16th

street, Oakland.

Architect....None.

Day's work.

COST, \$3500

DWELLING

(2073) E LAWTON AVE 350 N 51st, Oakland. One-story five-room dwlg.

Owner.....S. Matta, 5126 Lawton avenue, Oakland.

Architect....None.

Day's work.

COST, \$1800

GARAGE

(2074) E GRAND AVE 400 S Boulevard Way, Oakland. Garage.

Owner.....Lester B. Reiff, 1038 Grand avenue, Oakland.

Architect....None.

Day's work.

COST, \$400

ADDITION

(2075) NO. 5000 MELROSE AVE, Oakland. Two-story addition.

Owner.....F. T. Domoto, Premises.

Architect....None.

Day's work.

COST, \$500

BRICK STORES

(2076) (1) N SECOND ST 75 E Franklin; (2) E Franklin street between 2nd and 3rd streets, 200 feet frontage on Franklin; (3) W Franklin 25 S 4th, 50 feet frontage; (4) W Franklin, 25 N 3rd, 75 feet frontage; (5) W Franklin between 2nd and 3rd streets, 200 feet frontage; (6) N 2nd street 75 W Franklin, 50 feet frontage, Oakland. All work for one-story and mezzanine brick stores.

Owner.....Fruit and Produce Realty Co.

Architect....Chas. W. McCall, Central Bank Bldg., Oakland.

Contractor.....J. P. & C. Christensen, 237 Wayne avenue, Oakland.

Filed Aug. 28, '16. Dated Aug. 26, '16.

Brick walls on buildings A and B up to mezzanine floor.....\$2250

Brick walls on buildings E and F up to mezzanine floor..... 1900

Brick walls on buildings C and D up to mezzanine floor 2900

Reinforced concrete and brick walls completed, stud walls in place on buildings A and B 3500

Reinforced concrete and brick walls completed, stud walls in place on building E and F 3100

Reinforced concrete and brick walls completed, stud walls in place on buildings C and D 1500

Roofed, window frames, metal awnings posts and street walls plastered on A and B..... 2700

Roofed, window frames, metal awnings posts and street walls plastered on E and F..... 2000

Roofed, window frames, metal awnings posts and street walls plastered on C and D..... 1000

Wired and interior partitions in place on A, B, C, D, E and F..... 4000

Completed and accepted.....\$17,356.50

Usual 35 days\$12,500.00

TOTAL COST, \$49,086.50

Bond, \$36,813. Sureties, U. S. Fidelity and Guaranty Co. Forfeit none, Limit, 65 days. Plans and specifications filed.

ELECTRIC SIGN

(2079) SE ELEVENTH AND BROADWAY, Oakland. Electric sign.

Owner.....Turner & Dahnken.

Architect....None.

Day's work.

COST, \$1000

(2080) S BRIGHTON AVE 125 W Park

Boulvard, Oakland. One-story six-room dwelling.

Owner.....Mabel Woodard, Oakland.

Architect....None.

Contractor.....E. W. Woodard, 4031 Brighton avenue, Oakland

COST, \$2000

GARAGE

(2081) NO. 380 GRAND AVE, Oakland. Garage.

Owner.....Dr. N. H. Chamberlain, Premises.

Architect....None.

Contractor.....W. E. Whalin, 565 16th St., Oakland.

COST, \$400

DWELLING

(2082) W BROOKSIDE AVE 100 N Acacia, Oakland. Two-story nine-room dwelling.

Owner.....E. S. Jackson, First National Bank, Oakland.

Architect....None.

Contractor.....Blake Bros. Co., 312 Oakland Bank of Savings Bldg., Oakland.

COST, \$5000

ALTERATIONS

(2086) NE TWENTY-FOURTH and Telegraph avenue N 45x E 82, Oakland. Alteration and additions. Alter frame flats to apartments.

Owner.....S. B. Crawford, Oakland.

Architect.....A. W. Smith, 1010 Broadway, Oakland.

Contractor.....Thos Rutherford, 985 35th, Oakland.

Filed Sept. 1, '16. Dated Aug. 29, '16.

Ready for lath\$1000

Completed except finish work and painting 1634

Completed and accepted 1350

Usual 35 days 1350

TOTAL COST, \$5336

Bond, \$3000. Sureties, J. E. MacCormac and Daniel Geary. Forfeit, \$4. Limit, November 15. Plans and specifications filed.

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Amt.
2051	Beedles	Schmidt	400
2055	Nutting	Nelson	2500
2083	City of Bkly.	Welding	975
2084	Sharp	Sharp	100
2085	Thaxter	Thaxter	2000

GARAGE

(2051) NO. 1120 LE ROY AVE, Berkeley. Garage.

Owner.....Mrs. Beedles, Premises.

Architect....None.

Contractor.....B. H. Schmidt, 2337 East 19th street, Oakland.

COST \$400

REINFORCED CONCRETE WALLS

(2053) LOTS 16 AND 17, BLK G Claremont Court Berkeley. All work for reinforced concrete walls.

Owner.....Franklin P. Nutting, Engineer.....A. V. Saph.

Contractor.....F. E. Nelson, 565 16th Oakland.

Filed Aug. 28, '16. Dated Aug. 24, '16.

Completed 75%

Usual 35 days 25%

TOTAL COST, \$2500

Bond, \$1250. Sureties Massachusetts Bonding and Insurance Co. Forfeit, none. Limit, 30 days. Plans and specifications filed.

SHOP AND STORE
(2083) WEST ST AND ALLSTON
Way, Berkeley. One-story brick shop
and store, Class C building.
Owner.....City of Berkeley.
Architect....W. H. Ratcliff, Jr., First
National Bank Bldg., Bkly.
Contractor...J. Wendering, 1911 Addison,
Berkeley.
COST, \$3975

ADDITION
(2654) NO. 2749 DOHR ST., Berkeley.
Addition.
Owner.....J. S. Sharp, Premises.
Architect....None.
Day's work. COST, \$400

DWELLING
(2655) E REGENT 100 N Prince, Berkeley.
Two-story seven-room dwlg.
Owner.....George T. Thaxter, 3024
Regent, Berkeley.
Architect....None.
Contractor...F. W. Thaxter, 3024 Regent,
Berkeley.
COST, \$3000

Building Contracts Awarded

Alameda

No.	Owner	Contractor	Ant.
2043	Schmidt	Schmidt	500
2060	Barre	Grotts	1190
2061	Larmer	Larmer	2000
2062	Tromley	Noble	2000
2062	Olson	Olson	2000
2064	Duschak	Riddell	3400
2065	Shredded Wheat	Watson	5124
2071	Taylor	Taylor	1250
2078	Hillen	Hillen	2000

BUILDING
(2050) W GROVE 36 SW Van Buren,
NW 114xSW 35.50, Alameda. All
work for building.
Owner.....Miss Edith Latimer, 2265
Alameda avenue, Alameda.
Architect....None.
Contractor...F. Swenson, 2242 Encinal
avenue, Alameda.
Filed Aug. 26, '16. Dated Aug. 24, '16.
Frame up and roof on 1/4
Plastered 1/4
Completed 1/4
Usual 35 days 1/4
TOTAL COST, \$2640
Bond, Sureties, Forfeit, none. Limit,
60 days after August 28. No plans or
specifications filed.

DWELLING
(2660) N LINCOLN AVE 340 W 5th
street, Alameda. Two-story 4-room
dwelling.
Owner.....C. M. Barre, 1649 16th avenue,
Oakland.
Architect....None.
Contractor...C. J. Grotts, 569 Haight
avenue, Alameda.

DWELLING
(2661) SE DERBY and Ellsworth,
Berkeley. One-story five-room dwlg.
Owner.....Edw. Larmer, 470 Boulevard
Way, Oakland.
Architect....None.
Day's work. COST \$2000

DWELLING
(2662) N BERKELEY WAY 215 E
Grant, Berkeley. One-story 5-room
dwelling.
Owner.....Mrs. L. J. Tromley, 504
Willow street, Oakland.
Architect....None.
Contractor...G. H. Noble, 2220 Central
avenue, Alameda.
COST, \$2000

DWELLING
(2663) E PARK 55 N Oregon, Berkeley.
One-story five-room dwelling.
Owner.....Arvid E. Olson, 2129 Telegraph,
Berkeley.
Architect....None.
Day's work. COST, \$2000

(2664) LOT 18, BLK 4, Hopkins Terrace
No. 4, Berkeley. All work for
one-story five-room dwelling.
Owner.....L. H. Duschak, 1437 Le
Roy avenue, Berkeley.
Architect....None.
Contractor...Riddell Building Service
Corp., 2247 Telegraph, Berkeley.

Filed Aug. 30, '16. Dated Aug. 21, '16.
Frame up 1/4
Brown coated 1/4
Completed and accepted 1/4
Usual 35 days 1/4
TOTAL COST, \$3400
Bond, Sureties, Forfeit, none. Limit
90 days. Plans and specifications filed.

BRICK OVENS
(2665) NO LOCATION GIVEN. All
work for brick ovens.
Owner.....Pacific Coast Shredded
Wheat Co.
Architect....J. S. Bogart, 1421 Market,
Oakland.
Contractor...Sage Watson.

Filed Aug. 30, '16. Dated Aug. 18, '16.
Three payments equaling 75%
on completion of contract.....
Usual 35 days 25%
TOTAL COST, \$5121
Bond, \$2562. Sureties, G. W. Thomas
and Sidney Watson. Forfeit, none.
Limit, Oct. 1, 1916. Specifications only
filed.

DWELLING
(2677) N ADA 165 W Sacramento,
Berkeley. One-story four-room dwlg.
Owner.....M. E. Taylor, 1607 Sonoma
avenue, Berkeley.
Architect....None.
Day's work. COST, \$1250

(2678) W SACRAMENTO 243 N Cedar,
Berkeley. One-story five-room dwlg.
Owner.....R. C. Hillen, 430 Haight
avenue, Alameda.
Architect....None.
Day's work. COST, \$2,000

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED **ACCEPTED**
Aug. 12, 1916—NW TELEGRAPH AV
and 24th N 100xW 99, Okd. Som-
marstrom Invst Co to whom it
man concern.....Aug. 11, 1916
Aug. 12, 1916—LOT 10 BLK "A" Map
Triangle Park, Bkly. Roy O Long
to Mason-McDuffie Co.....Aug. 5, 1916
Aug. 12, 1916—LOT 21 BLK 7 Map
Shaw Tract Bkls 4, 6, 7, 8 and 9,
Bkly. W H McNaughton to Mason-
McDuffie Co.....Aug. 9, 1916
Aug. 14, 1916—LOT 137 AND NW 1/4
Lot 136, Okd. Louis and Katherine
Helmuth to M C Kaler.....Aug. 12, 1916
Aug. 14, 1916—LOT 57 BLK 8 Map
Steinway Terrace, Okd. Sara Jane
Braslan to Pratt & Tuttle.....Aug. 12, '16
Aug. 14, 1916—LOT 19 BLK 7 Map
Shaw Tract Bkls 4, 6, 7, 8 and 9,
Bkly. W H McNaughton to Mason-
McDuffie Co.....Aug. 12, 1916
Aug. 15, 1916—W BONITA, bet. Rose
and Berryman, Bkly. Caroline
Wolbold to Jacob Kollmer.....

.....Aug. 15, 1916
Aug. 16, 1916—LOT 17 BLK 14 Map
San Pablo Park, Berkeley. George
and Anna Bradley to O M & H G
Patrick.....Aug. 14, 1916
Aug. 16, 1916—LOT 21 BLK "M" Map
No. 3 of Sbdvn of Ptn Central Oak-
land Tract; E Telegraph Ave, Okd.
Clifford J Andrus to whom it may
concern.....Aug. 16, 1916
Aug. 16, 1916—LOT 4 BLK 1 Amended
Map Ptn La Loma Park & Wheeler
Tract, Bkly. F Shaw by James
W Plachek to John W Jessiman..
.....Aug. 12, 1916
Aug. 16, 1916—E WASHINGTON 50 N
Fifth E 75xN 50, Okd. A Paladini
by Welsh & Carey to F J Edwards
assigned to M V Brady.....Aug. 16, 1916
Aug. 17, 1916—PTN LOT 16 BLK 9
Map Northbrae, Oakland Tract. Clar-
ence Graham Jones to whom it
may concern.....Aug. 16, 1916
Aug. 17, 1916—W TWENTY-FOURTH
317.50 E Valdez E 40xN 100, Okd.
L E Allen to O E Allen.....Aug. 14, 1916
Aug. 17, 1916—PTN LOTS 3, 4 AND 5
Map W G Henshaw's Sbdvn Lots at
24th and Bay Place, Okd. L E
Allen to whom it may concern.....
.....Aug. 14, 1916
Aug. 18, 1916—SE PRINCE AND
Shattuck Ave E 100 S 40 W 102-6
N 40.064, Bkly. C W Coles to Geo
W Patton.....Aug. 15, 1916
Aug. 18, 1916—N 123 LOT 21 BLK "D"
Map Broadway Terrace, Okd. M J
Diggs, Hazelle E and W R Martin
to Wooley & Rich.....Aug. 5, 1916
Aug. 18, 1916—LOT 18 Map Emmons
Tract, Alameda. R H Banning and
Jas E Stewart to whom it may
concern.....Aug. 12, 1916
Aug. 18, 1916—NE AILEEN AND LOS
Angeles Ave E 80xN 100, Okd. C H
Cutter to Thomas Rutherford.....
.....Aug. 18, 1916
Aug. 19, 1916—NW FRUITVALE AV
and SW line conveyed by
Willis E Gibson to William H
Wheeler recorded Liba 2393 Deeds
page 261 NE 90 NW 419 NW 20.85
th on curve to left 30.71 SW 53.41
th on curve to left 24.32 SE 67.93
NE 90, Okd. William H Wheeler to
whom it may concern.....Aug. 18, 1916
Aug. 21, 1916—NW FRUITVALE AVE
H. Wheeler, recorded liber 2393
and SW line land conveyed by
Melis E. Gibson et al to William
Deeds page 261. W. H. Wheeler to
O. C. Cooley.....Aug. 19, 1916.
Aug. 21, 1916—BARTLETT AVE,
Oakland. Southern Pacific Co to
Joe Costello.....Aug. 17, 1916
Aug. 22, 1916—LOT 15, BLK L Berry
Bangs Tract, Berkeley. Reuben
Hollman to J. S. Hanson.....
.....Aug. 10, 1916
Aug. 22, 1916—NW ROSE AND
Grove streets, Berkeley. R. J.
Thomas to Frank Button.....
.....Aug. 21, 1916
Aug. 22, 1916—REAR 248 LAKES-
shore Boulevard, being lot 39 Re-
vised map Alameda Co. Land Co.,
Blk 152, Oakland. Mrs. A. M.
Greenfield to whom it may concern
.....Aug. 19, 1916.
Aug. 23, 1916—N 40 LOTS 1 AND 2,
Blk 16, Daley Scenic Park, Berke-
ley. John B. Wrangham to Matt
L Koski.....Aug. 23, 1916
Aug. 23, 1916—S BANCROFT WAY
450 E Dana, Berkeley. N. R. David-
son by James W. Plachek to Arthur
Arlett.....Aug. 18, 1916
Aug. 24, 1916—W HOLDIS ST 225 S

Park avenue S 35, W 266, N 60, E 133, S 25, E 133, Emeryville. American Coin Register Co to W. H. and S. W. Jones (Jones Bros.)..... July 25, 1916
 Aug. 23, 1916—NO. 521 TWENTY-second street, Oakland. George Smith to whom it may concern..... Aug. 15, 1916
 Aug. 26, 1916—LOT 47, Map Grand Avenue Terrace, Oakland. Grace L. Forsterer to C. O. Bradhoff..... Aug. 25, 1916
 Aug. 23, 1916—SE PACIFIC AVE and 8th E 38-7/8xS 115, Alameda. Nettie Griffin to Robert W. Knepper..... Aug. 22, 1916
 Aug. 28, 1916—LOT 84, Map Nova Piedmont, Piedmont. A. R. Dexter to whom it may concern..... Aug. 28, 1916
 Aug. 28, 1916—N 60 LOT 170, Nova Piedmont, Piedmont. Mabel Woodward to E. W. Woodward..... Aug. 25, 1916
 Aug. 28, 1916—NOS. 533-5 HOBART, Oakland. Fannie C. Preble to F. L. Burnett..... Aug. 28, 1916
 Aug. 28, 1916—LOT 12, BLK 7, Daley's Scenic Park, Berkeley. Marie A. Wright to Charles Lock..... Aug. 26, 1916
 Aug. 30, 1916—NE RUDSDALE 50 NW 74th avenue NW 50xNE 100, Oakland. Gust Carlson to George H. Barber..... Aug. 30, 1916
 Aug. 30, 1916—LOT 100, Map Nova Piedmont, Piedmont. V. N. Strang to whom it may concern..... Aug. 24, 1916
 Aug. 31, 1916—LOT 6, DIMOND Terrace, Oakland. Mrs. Esther E. Lake to W. R. Brooks..... Aug. 30, 1916
 Aug. 30, 1916—LOT 15, BLK A, Claremont Avenue Tract Revised. I. S. Rankin agent for S. P. Sherry to J. L. Rankin..... Aug. 14, 1916
 Aug. 31, 1916—LOT 2, BLK 6, San Pablo Park Tract, Berkeley. Arvid E. Olson to whom it may concern..... Aug. 28, 1916

LIENS FILED

ALAMEDA COUNTY.

Aug. 12, 1916—LOT 122 AND S 5 LOT 124 Map Terminal Junction Tract, Albany. A H Bar (Bar Mercantile Co) vs A R and Annie D Morris..... \$135.72
 Aug. 12, 1916—LOT 113 of E 10 Lot 17 Map Terminal Junction Tract, Albany. A H Bar (Bar Mercantile Co) vs A R and Annie D Morris..... \$144.72
 Aug. 19, 1916—S HARWOOD 265 N College Ave S 115x E 40, Okd. Sunset Lumber Co vs F R Jordan..... \$238.37
 Aug. 23, 1916—NE PEARMAN ST and SE 105th Ave 766.73 SE from pt beginning SE 37 1/2 NE 100, Oakland. Hogan Lumber Co. vs. Louis and Catherine Helmut and M. C. Kaler..... \$351.60
 Aug. 24, 1916—LOT 21 BLK 22, Map Northbrae, Oakland Tp. Bruce Lumber and Mill Co. vs. J. G. and W. N. Taylor..... \$95.17
 Aug. 24, 1916—LOT 122 AND S 5 FT lot 124, Map Terminal Junction Tract, Albany. Peter N. Winlund (Emeryville Planing Mill Co.) vs. A. R. and Annie D. Morris..... \$142
 Aug. 25, 1916—LOT 122 AND S 5 FT lot 124, Map Terminal Junction Tract, Albany. Tilden Lumber Co. vs. A. R. Morris..... \$37.74
 Aug. 25, 1916—LOT 122 AND S 5 FT lot 124, Map Terminal Junction Tract, Berkeley. Swift & Wilcox

vs. A. R. and Annie D. Morris..... \$65.85
 Aug. 26, 1916—E OAK ST 110 N 9th street N 30x E 190, Oakland. Marshall & Stearns Co., \$390; The California Brick Co., \$149.30; Maxwell Hardware So., \$334.75; The California Brick Co., \$149.30; Ray B. Johnson (Tri-City Window Shade Manufactory), \$60; Hanna Lumber Mill Co., \$510.16; Fred S. Jackson, \$810; California Door Co., \$460.20; Powell Bros. Construction Co., \$395.20; W. H. Pollard, \$252.10; W. P. Fuller & Co., \$85; Ernest L. Thompson, \$177; vs. V. N. Strang.
 Aug. 21, 1916—LOT 8 BLK 7, Map Resubdivision Blks 9 to 14 inclusive, and ptn block 16, Rockridge Terrace, Oakland. I. Hartman and M. Hewes vs. Oakland Investment Co. \$85.12
 Aug. 22, 1916—LOT 118 AND E 10 feet lot 117, Map Terminal Tract, Albany. C. R. Cox and Lee Salih (Built-in Fixture Co.) vs. A. R. and Annie D. Morris..... \$21.60
 Aug. 23, 1916—LOT 122 AND S 5 feet lot 124, Map Terminal Tract, Albany. C. R. Cox and Lee Salih (Built-in Fixture Co.) vs. A. R. and Annie D. Morris..... \$24.60
 Aug. 26, 1916—E OAK ST 80 N 9th street, Oakland. Marshall & Stearns Co., \$372; W. P. Fuller & Co., \$195.16; W. P. Fuller & Co., \$182.75 vs. V. N. Strang \$174.50
 Aug. 26, 1916—E OAK 110 N 9th N 30x E 100, Geo. E. Zinslen vs. V. N. Strang \$177.70
 Aug. 30, 1916—LOT 35, Map Ardsley Heights, Oakland. I. M. Toalson (Alameda Hardwood Floor Co.) vs. V. N. Strang..... \$174.50

SAN JOSE AND THE SANTA CLARA VALLEY

STREET IMPROVEMENT—Cost not stated. Salinas, Monterey Co., Cal. Engineer, City Engineer, Salinas. Owners, City of Salinas. Contractor, Dan McCormick, Salinas. Contract price not stated.

CHURCH—1 and 2 story and base, reinforced concrete, \$50,000. San Jose, Santa Clara Co., Cal. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Church of the Bleeding Wound, Roman Catholic. Will contain a main auditorium and Sunday school rooms. Preliminary plans, only, prepared.

STREET IMPROVEMENTS—Cost not stated. Salinas, Monterey Co., Cal. Engineer, City Engineer, Salinas. Owners, City of Salinas. Bids will be opened on September 11th at 8 p. m. for grading the roadway of that portion of Salinas street, from the south line of Alisal street to the north line of San Luis street, and constructing thereon, a hydraulic cement concrete base, with a two course asphalt and screening surface, together with concrete curbs along both sides of the roadway.

Bids will also be opened on the same date for grading the roadway of that portion of Stone street from the north line of Central avenue to the south line of Market street and constructing thereon a hydraulic cement concrete base with a two course asphalt and screening surface, together with concrete curbs along both sides of the roadway.

Contracts Awarded.

SCHOOL ADDITION—2, 1 story, reinforced concrete, \$42,950. San Jose,

Santa Clara Co., Cal. Architect, William Binder, Rea Bldg., San Jose. Owners, City of San Jose. Contractors, Monson Bros., S. F. Contract price, \$42,950. Contracts have also been awarded for the heating system to be installed in the First Ward School, John Stock & Sons, San Jose, secured the contract at \$3,895.

RECEIVE FIGURES FOR HIGH SCHOOL ADDITION.

Contract for Two Reinforced Concrete Additions to San Jose High School to be Awarded.

(By Special Wire.)

SAN JOSE, CAL.—Bids were received at the Monday meeting of the Board of Education for the construction of two one-story concrete additions which are to be made to the San Jose High School building. The lowest figures were submitted by Monson Bros., 1907 Bryant street, San Francisco. They will probably be awarded the work. Plans were prepared by Architect, William Binder, Rea Bldg., San Jose. A complete list of the bids follows:

High School Addition.

Morrison Bros.	\$45,277
Z. O. Field	48,176
J. H. Miller	44,563
R. O. Summers	51,460
Monson Bros. (low)	42,960
Boyajohn-Arnold Co.	49,450
Charles Thomas	45,544
F. S. Edmans	48,226

Bids were received at the same meeting for installing heating systems in the Hawthorne School and in the First Ward School. C. L. Moisterheim was awarded the contract on the former at \$2,745 and F. Studer the contract for the latter at \$2,675. Both men are from San Jose.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

RANCH HOUSE
 ON ROAD FROM MENLO TO PAGE'S Mill. One story ranch house.
 Owner.....Elsie A. Drexler, Kohl Bldg., S. F.
 Architect.....Houghton Sawyer, Shreve Bldg., S. F.
 Contractor.....F. H. Mowwe.
 Filed Aug. 28, '16. Dated Aug. 3, '16.
 On list of each month..... 75%
 Usual 35 days 25%
TOTAL COST, \$1795
 Bond, \$900. Sureties, United States Fidelity and Guaranty Co. Forfeit, none. Limit, as soon as possible. Plans and specifications filed.

CONVENT

VINE between San Fernando and Park avenue, San Jose. Two-story brick convent.
 Owner.....The Roman Catholic Archbishop of San Francisco, 1100 Franklin, S. F.
 Architect.....L. T. Lenzen, 110 South 2nd, San Jose.
 Contractor.....R. O. Summers, 17 North 1st, San Jose.
 Filed Aug. 28, '16. Dated Aug. 25, '16.
 Foundation in and 1st floor joists in\$4521

Brick outer wall up to 2nd story	4521
Rough boards on	4521
Inside plastering on	4521
Job accepted	4521
Usual 35 days	7550

TOTAL COST, \$30,135

Bond, \$15,500. Sureties, A. F. Dougherty and C. L. Snyder. Forfeit, none. Limit, 144 days from filing. Plans and specifications filed.

REMODELING

E SAN FERNANDO between 1st and 2nd, San Jose. Remodeling store fronts.

Owner.....Auzerais Estate Co., Auzerais Bldg., San Jose.

Architect.....L. T. Lenzen, 110 South 2nd, San Jose.

Contractor.....J. C. Thorpe, Porter Bldg., San Jose.

Filed Aug. 30, '16. Dated Aug. 23, '16. On 1st and 15th of each month..... 75%

Usual 35 days 25% |

TOTAL COST, \$3049

Bond, \$1550. Sureties, H. J. Thorpe and J. M. Zollars. Forfeit, none. Limit, 45 days after notice. Plans and specifications filed.

DWELLING

HANCHETT TCT near San Jose. One-story frame dwelling.

Owner.....L. H. Schellbach, 508 South 11th, San Jose.

Architect.....Higbie & Hill.

Contractor.....D. H. Main, 88 South 7th, San Jose.

Filed Aug. 30, '16. Dated Aug. 23, '16.

Rough frame up 25% |

Brown coated 25% |

Job accepted 25% |

Usual 35 days 25% |

TOTAL COST, \$1849

Bond, \$2,424.50. Sureties, E. P. Main and Carrie Main. Forfeit, none. Limit, Dec. 15, 1916. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED

Aug. 22, 1916—MENLO HEIGHTS

(Sprague Property), Menlo Park.

Isabelle D. Pool to Collman & Duncan July 5, 1916 |

Aug. 23, 1916—LOT 4, BLK 5, Sub No. 3, Burlingame Park No. 3, Burlingame, Dr. G. Bergstrom to A. Dahlberg Aug. 17, 1916 |

Aug. 24, 1916—PORTIONS OF LOTS 41 and 40 of El Cerrito Park, San Mateo. M. M. Brown to Leadley & Wiseman Aug. 21, 1916 |

Aug. 24, 1916—NO. 617 DORCHESTER Road, San Mateo. J. H. Brady to Croop & Keegan Aug. 14 1916 |

COMPLETION NOTICES

SANTA CLARA COUNTY.

Aug. 28, 1916—LOT 13 BLK 1 PALM Haven, near San Jose. Frederick Griffin to R. C. Herschbach Aug. 23, 1916 |

Aug. 30, 1916—LOT 5 BLK 22, SEALE Addition, San Jose. P. A. Ross to Geo. B. Moore Aug. 30, 1916 |

MARIN, CONTRA COSTA AND SONOMA COUNTIES

RESIDENCE—1 story and base, frame, \$2,000. Lafayette, Contra Costa

Co., Cal. Architects, Thomas & Oliver, Pantages Theatre Bldg., Oakland. Owner, L. H. Thomas. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FIRE HOUSE—2 story and base, brick, \$12,500. San Rafael, Marin Co., Cal. Architect's name not given. Owners, City of San Rafael. Will contain apparatus room and quarters for the men. Plans being prepared.

STREET IMPROVEMENTS. Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on September 8th at 8 p. m. for street improvements authorized under the following resolutions:

That First street, from its north termination to the north line of Ripley avenue, be graded, curbed, gutted and sidewalks with cement concrete, and paved with macadam.

That 6-inch salt-glazed, vitrified pipe sewers, manholes of brick and concrete, lampholes of vitrified, salt-glazed sewer pipe and Y branches of standard salt-glazed, vitrified sewer pipe, be constructed as follows: In Ohio avenue and Center avenue, between the northeast line of Pullman avenue and the east boundary line of the Pullman Park Tract. In Florida avenue, between 27th street and the east boundary line of Pullman Park Tract. In 27th street and a projection south thereof, between Center avenue and Pullman avenue. In 29th street and a projection thereof, between Center avenue and Ohio avenue.

That Contra Costa street, between the southwest line of Standard avenue and the northeast line of Tewksbury avenue, be graded between the curb lines and grade; that the existing wooden curbs be removed; cement concrete curbs and gutters be constructed; that open drains of cement concrete be constructed along the gutter lines across Hillside and Mancilla avenues; and that the roadway be paved with Richmond Standard Macadam consisting of broken stone and of asphaltum.

STREET IMPROVEMENT. Cost not stated. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. The City Council has awarded a contract to Bottini Mazzotti, Toll Road, San Rafael, for the following work: That a concrete sidewalk 5 feet wide be laid along the following named streets, to-wit: On the west side of Grand avenue, between 4th street and Watt avenue; the north side of 1st street, between Shaver street and Hayes street; on the west side of Shaver street, between 1st street and Minnie street; on the south side of Bay View street, between C and D streets; on the north side of Frances street, between D street and E street; on the east side of E street, between 1st and 2nd streets; on the east side of Grand avenue, between Highland avenue and Acacia avenue.

RESIDENCE—2 story and base, frame, \$5,500. Mt. Diablo, Contra Costa Co., Cal. Architects, Universal Drafting Bureau, 1841 5th avenue, Oakland. Owner, E. J. Bull. Location, Mt. Diablo. Will contain eight rooms, two baths and sleeping porch. Separate garage. Plans being prepared.

CONVENT SCHOOL—2 story, frame, \$15,000. Rio Vista, Contra Costa Co., Cal. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Roman Catholic Church. Will contain class rooms,

dormitory and chapel. Plans complete and figures being taken.

STORES AND OFFICE—2 story and base, brick, \$15,000. Richmond, Contra Costa Co., Cal. Architect, none. Owner, Horbert F. Brown. Location, northeast corner of 10th and Macdonald avenue. Stores on first floor and a number of offices above. Plans being prepared.

Contracts Awarded.

BRIDGE ENLARGEMENT—\$1,065. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Contractor, A. Ghelotti, San Rafael. Contract price, \$1,065.

STREET IMPROVEMENTS—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Contractors, Woods & Silva, Petaluma. Contract price not stated.

BUILDING CONTRACTS

MARIN COUNTY.

DWELLING

SAN RAFAEL. One story frame dwelling.

Owner.....Joseph Sauer, San Rafael, Cal.

Architect.....Thos. O'Connor, San Rafael, Cal.

Contractor.....J. E. Warner, Fairfax, Marin County, Cal.

Filed Aug. 24, '16. Dated Aug. 23, '16.

Frame completed and rough

plumbing in \$500 |

Enclosed, chimney built and

brown mortar on 500 |

Completed and accepted 785 |

Usual 35 days 595 |

TOTAL COST, \$2380

Bond, \$1190. Sureties, R. A. Carey and A. Cayseili. Forfeit, none. Limit, 60 days. Plans and specifications filed.

REMODELING

CITY OF SAN RAFAEL. Remodeling five apartments of the Grand Central Hotel building.

Owner.....C. H. Dubois and Luella Dubois, San Rafael.

Architect.....None.

Contractor.....J. Rocca and G. B. Ghilotti, San Rafael.

Filed Aug. 24, '16. Dated Aug. 21, '16.

Rough partitions and rough

plumbing in \$746.25 |

Plastering done 746.25 |

Completed 746.25 |

Usual 35 days 746.25 |

TOTAL COST, \$2985

Bond, Sureties, Forfeit, none. Limit 62 days. No plans or specifications.

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

BRIDGE—Reinforced concrete, \$6,000. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. The Board of Supervisors has approved plans for a \$6,400 concrete bridge to be built at Springville, just above the swinging bridge.

HIGHWAY CONSTRUCTION—Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. Bids will be opened on September 7th at 2 p. m. for Highway No. 3, Division 1—A, 2 Section 2, and Highway No. 3, Division 1—A, Section 3 (Guernsey east and south,

Corcoran north and west). The quantities are as follows: Type A (16-foot width)—1, 18,000 cubic yards of excavation (including borrow); 2, 1,302,369 square feet of 2½-inch asphaltic concrete base (surface area); 3 or 4, 1,302,369 square feet of 1½-inch Topeka or Warrenton wearing surface; 5, 300 linear feet of Standard Guard Fence; 6, 1,302,369 square feet 4-inch asphaltic concrete pavement (surface area), including sand and wearing surface. Type B (15-foot width)—1, 18,000 cubic yards of excavation (including borrow); 2, 1,221,172 square feet of 2½-inch asphaltic concrete base (surface area); 3 or 4, 1,221,172 square feet of 1½-inch Topeka or Warrenton wearing surface; 5, 200 linear feet of Standard Guard fence; 6, 1,222,172 square feet 4-inch asphaltic concrete pavement (surface area), including sand wearing surface.

RESIDENCE — 2 story and base, frame, \$3,500. Fresno, Fresno Co., Cal. Architect, none. Owner, W. H. Ackerman, 3rd and Huntington streets, Fresno. Location, Alta Vista Tract. Will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

BRIDGE—Reinforced concrete. Cost not stated. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. Bids have been ordered received up to September 8th, 2 p. m., for the construction of the proposed reinforced concrete Springville bridge, over the Tule River at Springville. Plans may be had from the County Clerk.

HIGHWAY CONSTRUCTION—Cost not stated. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. The County Clerk has been instructed to receive bids up to September 8th, 2 p. m., for the construction of Road No. 1149 in Road District No. 1. Plans may be had from the County Clerk.

BANK ALTERATIONS—\$2,000. Fresno, Fresno Co., Cal. Architect's name not given. Owners, First National Bank of Fresno. Work will consist of interior alterations only. Plans complete and work to be done by Day Labor.

PACKING HOUSE—1 story, frame, \$10,000. Fresno, Fresno Co., Cal. Architect, none. Owners, Cudahy Packing Co., Fresno. Location, 1841 Cherry street. Plans complete and work to be done by Day Labor.

Fresno, Fresno Co., Cal. Architect, R. F. Felchlin, Rowell Bldg., Fresno. Owner, D. H. Thorwbridge. Location, J street, near Merced, covering an area of 50 by 100 feet. Designed for a commercial garage. Plans complete and work to be done by Day Labor.

HOSPITAL—4 story and base, reinforced concrete, \$75,000. Fresno, Fresno Co., Cal. Architects, J. E. Krafft & Sons, Phelan Bldg., S. F. Owners, Burnett Sanitarium Co. Will cover an area of 75 by 120 feet. Interior arranged for wards and private rooms. Plans complete and figures being taken.

STORE ALTERATIONS—\$3,000. Fresno, Fresno Co., Cal. Architects, Glass

and Butner, Republican Bldg., Fresno. Owners, Wells Fargo Express Co. Location, Ruth Building. Work will include new store fronts and fixtures. Plans being prepared.

STORE—1 story, brick, \$8,000. Fresno, Fresno Co., Cal. Architects, Glass & Butner, Republican Bldg., Fresno. Owner, E. F. Mitchell. Location, Tulare and M streets, covering an area of 45 by 65 feet. Plans complete and figures being taken.

STORE—1 story, brick, \$4,000. Madera, Madera Co., Cal. Architect, none. Owners, The Roberts Estate Co. Will cover an area of 46 by 130 feet. Plans complete and work being done by Day Labor.

BUILDING CONTRACTS

FRESNO COUNTY.

PACKING HOUSE
NO. 1841 CHERRY AVE, Fresno. All work for meat packing house. Owner.....Cudahy Packing Co. Architect.....None.
Day's work. COST, \$7500

DWELLING
LOTS 11, 12, BLK 9, CENTRAL ADD, Fresno. Dwelling. Owner.....Mrs. G. W. Smith. Architect.....None.
Contractor.....Gede & Gede, 451 Poplar, Fresno.
COST, \$1800

ALTERATIONS
LOTS 17 AND 18 BLK 70, Fresno. Alterations to building. Owner.....Jas. Porteous, 1041 T, Fresno. Architect.....None.
Day's work. COST, \$1000

DWELLING AND GARAGE
LOT 2, BLK 16, ALTA VISTA TRACT, Fresno. All work for dwelling and garage. Owner.....W. H. Ackerman, 3rd and Huntington, Fresno. Architect.....None.
Day's work. COST, \$3500

ALTERATIONS
FRESNO. Alterations to bank building. Owner.....First National bank of Fresno, I and Mariposa, Fresno. Architect.....None.
Day's work. COST, \$2000

DWELLING AND GARAGE.....
LOTS 8, 9, BLK 8, LA SIERRA TCT, Fresno. All work for dwelling and garage. Owner.....Central California Land and Improvement Co., 825 E, Fresno. Architect.....None.
Contractor.....R. Blackwell, 227 Coast, Fresno.
COST, \$3000

LIENS FILED

FRESNO COUNTY.

Aug. 24, 1916—LOTS 30,31, 32, BLK 53, East Fresno. E. E. Elzea vs. A. E. Cochran.....\$73

NOTICE OF NON-RESPONSIBILITY.

FRESNO COUNTY.

Aug. 21, 1916—LOT D OF DYE CHINA-town, Walnut Grove. Amy Brown, Sperry M. Milo E. and Corodon Dye as to improvements on leased property.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGES—4 reinforced concrete. Cost not stated. Willows, Glenn Co., Cal. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, Glenn County. Plans are nearly complete for four reinforced concrete bridges to be erected in the various Road Districts in Glenn County. Bids will be called for shortly.

ROAD CONSTRUCTION—Cost not stated. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Bids will be opened on September 12th for the construction of one-half mile of wagon road near Upper Mattole post office in Road District No. 1.

ROAD CONSTRUCTION—Cost not stated. Crescent City, Del Norte Co., Cal. Engineer, County Surveyor, Crescent City. Owners, Del Norte County. Bids will be opened on September 15th for grading the new road and constructing culverts etc. from the north end of the Smith River bridge to a point near Fred Green's house.

ROAD IMPROVEMENTS—Cost not stated. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, ButteCo County. Bids will be opened on September 13th at 2 p. m. for certain road work on parts of Sacramento avenue, Nord avenue and Kenedy avenue in Road District Number 2.

STREET PAVING—Cost not stated. Tracy, San Joaquin Co., Cal. Engineer, City Engineer, Tracy. Owners, City of Tracy. Bids will be opened on September 7th for street improvements authorized under the following resolutions:

That the roadway of the following streets, from east line of West street to the west line of North B street and the North A from the south line of 7th street to the north line of West 6th street, be improved by grading and graveling; also that concrete and redwood curbing be constructed.

That 6th street, from the east line of North B street to the west line of North C street, be improved by grading and graveling the roadway; also that redwood curbing and a concrete sidewalk 4 feet and 4 inches thick be constructed.

That the roadway portions of the following streets, to wit: That West street, from the south line of West 6th street to a line parallel to and 375 feet north of the north line of 10th street, and East street, from the north line of

6th street to a line parallel to and 375 feet north of the north line of 10th street, be improved by grading and graveling roadway; also that concrete and redwood curbing be constructed along the sides of the roadway.

STREET IMPROVEMENTS—Cost not stated Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions:

J. W. Terrill, 1111 29th street, Sacramento, has been awarded contracts for the following street and sewer improvements:

That the alley next west of Sherman avenue, from V street to Upper Stockton road, and the alley south of Mier and Sowell's High School Tract, from Sherman avenue to 34th street, be improved by excavating a trench and constructing therein an 8 and 10-inch vitrified ironstone pipe sewer; constructing 5 concrete manholes and placing 2 flusher branches; placing 6-inch vitrified ironstone Y branches and 10 and 8-inch vitrified pipe sewer; backfilling all trenches.

That 41st street, from F street to the alley between G and H streets, be improved by excavating a trench and constructing therein 8-inch and 10-inch vitrified ironstone pipe sewer, backfilling the trenches and constructing 2 concrete manholes complete with cast iron curbs and covers.

That 37th street, from Park avenue to 7th avenue, be improved by excavating a trench and constructing 8, 10 and 21-inch vitrified ironstone pipe sewer, backfilling all trenches and construct 1 concrete manholes complete with cast iron curbs and covers.

That Brough avenue, from J street to a point 556 feet north therefrom, be improved by excavating a trench and constructing therein an 8-inch vitrified ironstone pipe sewer with 20 6-inch vitrified ironstone Y branches; 1 concrete manhole complete; placing 1 6-inch flusher complete, and backfilling the trench.

HIGHWAY CONSTRUCTION—\$5,950. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, Daniel Layles Biggs. Contract price, \$6,950. price, \$41.24 per thousand.

RESIDENCE—1 story and base, frame, \$2,500. Sacramento, Cal. Architect, none. Owner, W. D. McKee, 3029 E street, Sacramento. Location, 421 19th street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$5,000. Stockton, San Joaquin Co., Cal. Architect, C. J. Ryland, Odd Fellows Bldg., Stockton. Owner, C. C. Ryland. Location, southeast corner of Grant and Jackson streets. Will contain four flats of four and five rooms. Plans are being prepared.

FLATS—2 story and base, frame, \$6,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Elizabeth Pratto. Location, North Grant, between Channel and Miner. Will contain four flats of four and five rooms. Plans being prepared.

HOTEL—3 story and base, frame, brick, \$16,000. Stockton, San Joaquin Co., Cal. Architects, Peter Sala and Frank Mayo, Commercial & Savings Bank Bldg., Stockton. Owner, S. San-

guetti. Location, South El Dorado street, near Lafayette. Will contain office and stores on first floor and a number of single rooms on the upper floors. Plans being prepared.

SCHOOLS—2, 1 story, hollow tile, \$27,000 and \$3,000. Placerville, El Dorado Co., Cal. Architects, N. W. Sexton & Co., Merchants National Bank Bldg., S. F. Owners, Town of Placerville. The larger building will contain six class rooms and the smaller two class rooms. Plans complete and figures being taken. Bids open on September 8th at 1 p. m.

LIGHTING SYSTEM—Cost not stated. Redding, Shasta Co., Cal. Engineer, City Engineer, Redding. Owners, City of Redding. No bids for constructing the second unit of the street lighting system were received by the City Trustees and the unit will be built by Day Labor according to the decision of the trustees at their last meeting.

Contracts Awarded.

BRIDGE—Reinforced concrete and steel, \$5,000. Chico, Butte Co., Cal. Engineer, City Engineer, Chico. Owners, City of Chico. Contractor, T. H. Polk, Chico. Contract price, \$3,000.

SCHOOL—1 story and base, concrete, \$25,820. Ripon, San Joaquin Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Ripon School District. Contractor, John Madison, Ripon. Contract price, \$24,820.

THEATRE—2 story and base, brick and steel, \$65,000. Stockton, San Joaquin Co., Cal. Architect, A. W. Cornelius, Merchants National Bank Bldg., S. F. Owners, Turner & Jahnen Circuit. Contractor James Mulcahy, 516 Grant street, Stockton. Contract price, \$65,000.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

NO. 1915 J (REAR) on 60 feet of lot 7 Bk I, J, 19th and 20th, Sacramento. All work for two-story frame galvanized iron warehouse.

Owner.....Sing Hing, 725 J, Sacramento.

Architect....None.
Contractor...E. D. Woodward, 1015 J, Sacramento.

COST, \$3000

RESIDENCE
NO. 421 NINETEENTH on S ½ of N ½ lot 8, Bk D, E, 19th and 20th, Sacramento. All work for one-story residence (6 rooms.)

Owner.....W. D. McKee, 3029 E, Sacramento.

Architect....None.
Day's work.

COST, \$2500

BRICK AND CONCRETE BUILDING
NOS. 1316 TO 1330, U on lots 3 and 4, Bk U, V, 13th and 14th, Sacramento. All work to build brick and concrete building.

Owner.....Caroline K. Teichert, 2401 J, Sacramento.

Architect....None.
Contractor...Ambrose & Teichert, Ochsen Bldg., Sacramento.

COST, \$15,000

BRICK OVENS

NO. 1731 FOURTEENTH S ½ of lots 7 and 8, Bk Q, R, 14th and 15th, Sacramento. Install two brick ovens in bakery.

Owner.....Perfection Bread Co., Jessee, 1731 14th, Sacramento.

Architect....None.
Day's work.

COST, \$1000

GARAGE

NO. 814 TENTH on S ¼ of lot 4, Bk H, I, 9th and 10th, Sacramento. One story frame galvanized iron garage with concrete floor.

Owner.....Dr. McKee.

Architect....None.
Contractor...G. R. Grimshaw, Jr., 930 H, Sacramento.

COST, \$600

REMODEL

NO. 912 NINTH on S 60 feet lot 4, Bk I, J, 8th and 9th, Sacramento. All work of remodeling store fronts and repair brick building.

Owner.....Meister Estate, Blacks Package Co., lessee, Prem.

Architect....None.
Contractor...Barton & Hite, Builders Exchange, Sacramento.

COST, \$1600

ALTERATIONS

NO. 2000 D ON W ½ OF N ½ LOT 1, Bk D, E, 29th and 31st, Sacramento. All work of altering residence into two flats.

Owner.....C. R. Cachettini.

Architect....None.
Contractor...E. W. Book, 2912 G, Sacramento.

COST, \$2500

NO. 328 L ON N 40 FT OF E 60 FT, LOT 4 Bk L, M, 3rd and 4th, Sacramento. Remodel two-story brick building.

Owner.....Smith & Schmidt, 1237 Polk, S. F.

Architect....None.
Contractor...Peter Leoni, 1339 Y, Sacramento.

COST, \$100

LOT 1, L, M, 27th and 28th, Sacramento. Certain mill work for three-

DIRECT TO YOU

Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

story and basement Class "C" lodge building.
Owner.....Scottish Rite Cathedral.
Architect....Carl Werner, Phelan Bldg., San Francisco.
Contractor...C. J. Guth, 1516 27th Sacramento.
Sub-contractor...Sacramento Planing Mill and Furniture Co., Inc., 3rd and "V," Sacramento.
Filed Aug. 25, '16, Dated Aug. 17, '16, COST, \$5500

TILE WORK on above.
Contractor...G. McElhinney, 1097 Mission, S. F.
Filed Aug. 25, '16, Dated Aug. 7, '16, COST \$800

BUILDING CONTRACTS

SONOMA COUNTY.

FLATS
KEILER ST., PETALUMA, CAL. Two-story and basement frame (3) flats.
Owner.....Mrs. Annie M. Ascherman, Petaluma Cal.
Architect....None.
Contractor...M. H. Fredericks, 525 7th street, Petaluma.

COMPLETION NOTICES

SACRAMENTO COUNTY.
RECORDED ACCEPTED
Aug. 25, 1916—SE EIGHTH AND J, Sacramento. Sacramento Valley Bank and Trust Co. to American Fixture Co.,July 24, 1916

LOS ANGELES AND SOUTHERN CALIFORNIA

BRIDGE—Reinforced concrete, \$48,000. Santa Barbara, Santa Barbara Co., Cal. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Bids will be opened on September 6th at 10 a. m. for the construction of a reinforced concrete bridge across Arroyo Quemado, at Station 306 plus 00, Section F, on the Route of the State Highway, in the Third Road District. The structure consists of two 110-foot arch spans with approaches, being about 400 feet long and 75 feet high.

RESIDENCE—1 and 2 story and base, frame. Cost not stated. Los Angeles, Cal. Architect, Frank M. Tyler, Black Bldg., L. A. Owner, Mrs. E. E. Wilson. Location, 5th and Serrano streets. Will contain ten rooms, three baths and separate garage. Plans complete and figures being taken.

APARTMENT HOUSE—2 story and base, frame. Cost not stated. Los Angeles, Cal. Architects, W. J. Dodd and William Richards, Brockman Bldg., L. A. Owner, H. C. Hollins. Location, corner of Santa Monica and Gower. Will contain six stores on the first floor and 15 apartments of two and three rooms on the upper floor. Plans being prepared.

APARTMENT HOUSE—4 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, George W. Eldridge, Consolidated Realty Bldg., L. A. Owner, D. W. Ferguson. Location, Westlake avenue, near 6th street. Will contain 24 apartments of two, three and four rooms. Plans being prepared.

RESIDENCE—2 story, attic and base frame, \$21,475. Los Angeles, Cal. Architects, Hunt and Burns, Laughlin

Bldg., L. A. Owner, L. Isaacs. Contractor, C. J. Nordquist, 1122 Bellevue avenue, L. A. Contract price, \$21,475.

RESIDENCE—2 story and base, reinforced concrete, \$125,000. Santa Barbara, Santa Barbara Co., Cal. Architect, Carlton M. Winslow, Van Nuys Bldg., L. A. Owner, William H. Bliss. Contractor, Thomas C. Marlow, Van Nuys Bldg., L. A. Contract price, \$125,000.

STOCK BUILDINGS—Frame and plaster. Cost not stated. Beverly Hills, Los Angeles Co., Cal. Architects, W. J. Dood and William Richards, Brockman Bldg., L. A. Owner, J. M. Danziger. Location, near Beverly Hills. Will consist of a group of buildings including cow barns, dairy, employees' club room, and quarters, stables and paddocks. Plans complete and figures to be taken from selected contractors.

FLATS—2, 2 story and base, hollow tile. Cost not stated. Hollywood, Los Angeles Co., Cal. Architects, Architectural Designing Co., Cross Bldg., L. A. Owner, Miss Cora D. Lane. Location, De Longpre avenue, near Gower. Each building will contain twenty rooms. Plans complete and work to be done by Day Labor and subcontract.

FLATS—2, 2 story and base, frame. Cost not stated. Los Angeles, Cal. Architect, H. J. Knauer, Wesley Bldg., L. A. Owner, David Beidler. Location, Serrano avenue, north of Wilshire. Each building will contain 24 rooms. Plans being prepared and subfigures to be taken.

BANK AND OFFICES—2 story and base. Class C construction. Cost not stated. Fillmore, Ventura Co., Cal. Architect, A. C. Martin, Higgins Bldg., L. A. Owners, State Bank of Fillmore. Will cover an area of 44 by 80 feet. First floor arranged for banking quarters and upper floor for offices. Plans complete and figures to be taken at once.

CHURCH—1 and 2 story and base, brick, \$25,000. Glendale, Los Angeles Co., Cal. Architect, Arthur G. Lindley, Hollingsworth Bldg., L. A. Owners, First Methodist Episcopal Church. Location, southeast corner of Kenwood and 3rd streets, covering an area of 90 by 140 feet. Will contain main auditorium, Sunday School rooms and social hall. Plans and figures being taken.

JAIL AND FIRE HOUSE—2 story and base, brick and concrete, \$25,000. Van Nuys, Los Angeles Co., Cal. Architect, J. J. Baekus, Van Nuys. Owners, City of Van Nuys. Will contain some of the city offices, Jail and fire department. Plans complete and figures to be taken at once.

LAUNDRY—3 story and base, reinforced concrete, \$160,000. Los Angeles, Cal. Architects, Train & Williams, Exchange Bldg., L. A. Owners, Diamond Steam Laundry Co. Contractors, Atlas Building Co., Haas Bldg., L. A. Contract price, \$160,000.

FACTORY—2, 1 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, none. Owners, Globe Grain & Milling Co., Los Angeles. Contractors, Leonard & Peck, H. W. Hellman Bldg., L. A. Contract price not given. Note one building will cover an area of 360 by 60 feet and the other an area of 200 by 200 feet.

FACTORY—4 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architects, Train & Williams, Exchange Bldg., L. A. Owners, Los Angeles Creamery Co. Location, Towne, between 10th and 11th streets. Will cover an area of 100 by 120 feet. Reinforced concrete construction throughout. Plans being prepared.

GARAGE AND SALESROOM—1 story and base, brick, \$20,000. Hollywood, Los Angeles Co., Cal. Architect, Ellet P. Pacher, Hollywood Bldg., L. A. Owner, Olaf Johnson, leased to Overland Automobile Co. Location, Hollywood, Boulevard and Argyle avenue, covering an area of 100 by 55 feet. Plans being prepared and work to be done by Day Labor.

HOSPITAL—2 and 3 story and base, reinforced concrete, \$80,000. Clarkdale, Ariz. Architect, Arthur R. Kelly, Story Bldg., L. A. Owners, United Verde Mining Co. Location, Clark street. Only preliminary plans have been prepared. Further mention will be made of the work when the architect returns from Arizona.

HOTEL—10 story and base. Class A construction, \$260,000. Los Angeles, Cal. Architects, John M. Cooper and Douglas Lee, Marsh-Strong Bldg., L. A. Owner, John M. Cooper. Location, South West Sixth street, near Hope, covering an area of 75 by 103 feet. Will contain 252 rooms of all of which will have private baths. Reinforced concrete construction throughout. Plans being revised.

HOTEL—2 story and base, brick, \$25,000. Glendale, Los Angeles Co., Cal. Architect, C. C. Rittenhouse, Wilcox Bldg., L. A. Owner, H. E. Betz. Location, 327 Brand Boulevard, covering an area of 53 by 84 feet. Will contain stores on the first floor and a number of single rooms and baths above. Plans complete and work to be done by Day Labor.

SCHOOL GROUP—1 and 2 story, frame and stone. Cost not stated. Los Angeles, Cal. Architect, Robert Orr, Van Nuys Bldg., L. A. Owners, Claremont School for Boys. Site embraces 20 acres. There will be 2 dormitory buildings, one 35x86 feet, containing 22 rooms, baths, etc., and one 25x72 feet, divided into 13 rooms, matron's quarters, etc.; a service bldg., 40x106, divided into social hall, dining room and kitchen department. A porch and portico will connect the service building with the school rooms, of which there will be six, and an assembly hall. There will also be an athletic field, a gymnasium building, 36x60 feet, with locker rooms, director's quarters, showers, etc., and open concrete pool, 60x25 feet.

THEATRE—2 story and base, brick, \$25,000. South Pasadena, Los Angeles Co., Cal. Architect, E. J. Borgmeyer, Stinson Bldg., L. A. Owner, Edward N. Jarecki. Location, Fair Oaks avenue. Will contain two stores, and a theatre seating 600 people. Plans being prepared.

Contracts Awarded.

STORE AND LOFTS—3 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, Richard D. King, Van Nuys Bldg., L. A. Owners, W. A. and M. T. Glacock. Contractor, Carl J. Lange, Story Bldg., L. A. Contract price not stated.

SCHOOL—1 story and base, hollow tile, \$20,900. La Canada, Los Angeles

Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, La Canada School District. Contractor, M. N. Yeshberg, 1650 Morton avenue, L. A. Contract price, \$20,900.

PORTLAND AND OREGON

THEATRE—2 story and base, reinforced concrete, \$30,000. Oregon City, Ore. Architect, White Bros., Oregon City. Owner, W. A. Long. Arranged for stores, offices, and a theatre seating 1,000 people. Plans complete and figures to be called for at once.

STORES AND OFFICES—5 story and base, brick and tile, \$150,000. Portland, Ore. Architect, J. V. Benes, Chamber of Commerce Bldg., Portland. Owner, Anton Huth, Tacoma. Leased to Liebes & Co. Location, Broadway and Morrison. Will cover a considerable ground area. First floor store and upper floors lofts and offices. Plans complete and figures being taken.

CHURCH—1 story and base, brick, \$20,358. Astoria, Ore. Architects, Whitehouse & Poulihoux, Wilcox Bldg., Portland. Owners, Methodist Episcopal Church. Contractors, Burgess and Burgess, Astoria. Contract price, \$20,358.

GARAGE—2 story and base, reinforced concrete, \$20,000. Portland, Ore. Architects, Whitehouse & Poulihoux, Wilson Bldg., Portland. Owner, M. J. Thorsen. Location, 16th and Washington streets. Designed for a commercial garage. Plans complete and figures being taken.

WAREHOUSE ADDITION—1 story, reinforced concrete, \$35,000. Portland, Ore. Engineer, Engineering Department, O. R. & N. Portland. Owners, Oregon-Washington Railway & Navigation Co. Location, North Portland. Plans being prepared.

RAILROAD CONSTRUCTION—\$200,000. Roseburg, Ore. Engineer's name not given. Owner's Roseburg & Eastern. Bids are being advertised for by the city of Roseburg, Ore., calling for contract figures on constructing the proposed Roseburg & Eastern Railway, which the city is financing. It is understood that a tentative agreement has already been reached with Kendall Bros., of Pittsburg, whereby they will handle the job, which is expected to run close to \$300,000. In fact, it is understood that they have already offered practically all of the materials. With the railroad work under way the city officials have every reason to believe that Kendall Bros. will erect a large sawmill plant at Roseburg, to cost about \$250,000. The railroad is to be 25 miles in length, and taps a rich lumber belt.

SEATTLE AND WASHINGTON

BRIDGE SUPERSTRUCTURE—Cost not stated. Seattle, Wash. Engineers, Port of Seattle Commission, Seattle. Owners, City of Seattle. At a recent meeting of the Seattle Board of Public Works the Beers Building Co., Seattle, contractors for the superstructure of the 10th avenue N. E., or Eastlake Bridge, was declared in default following the receipt of a letter from N. H. Beers. The sureties on the contract, the Guardian Casualty Co., of Salt Lake City, have been notified to complete the contract.

WAREHOUSE ADDITION—2 story, frame, \$31,000. Seattle, Wash. Archi-

tect, Port of Seattle Commission, Seattle. Owners, City of Seattle. Location, foot of Spokane street. Will cover an area of 360 by 50 feet. Plans being prepared.

SHIP BUILDING PLANT—\$5,000,000. Harbor Island, Wash. Engineer's name not given. Owners, J. P. Duthie Co., Seattle. Contractors, E. J. Rounds Construction Co., Walker Bldg., Seattle. Note, this first unit of this plant has been awarded at a contract price of \$25,000. Other contracts will follow shortly.

WORK FOR SEASON 1916-1917 UNDER AUSPICES OF ARCHITECTURAL CLUB.

A Class in Structural Engineering under the instruction of Mr. R. S. Chew, C. E., who has conducted very successful classes at the San Francisco Architectural Club during the past two years. Owing to requests from a number of members who wish to take up this work it is proposed to form a new class and start from the beginning. The following is a synopsis of the subjects included in the course:

Mechanics of Simple Structures, including motion, forces, moments, and the principles of static equilibrium.

Mechanics of Materials, including strength, stiffness, elasticity, stresses and strains, bending moments, shear, moment of inertia, radius of gyration, etc.

Manufacture of Various Materials. Graphical Method of Analysis.

Design. Beams, columns, trusses, retaining walls.

The course will be completed by the final design of ten plates which will include the problems in the above topics. The dues will be \$2.50 per month to club members. Full details will be taken up at a special organization meeting to be held in the club rooms at 126 Post street, Thursday, evening, August 31, 1916, at 8:00 o'clock. Anyone interested is cordially invited to attend this meeting. A card with your name and address will bring you further announcements of this class.

Architectural Student Work.

The San Francisco Architectural Club is the Western headquarters of the Society of Beaux Arts Architects, by whom the programs and prizes for the various competitions are arranged.

Through the kindness of Architects John Reid, Jr., and John Baur, every student receives personal criticism of his work as the problem progresses.

The Class B Analytiques (Order Problems) are open to new students for the study of the Application of the Orders of Architecture, and their Detail at a large scale.

The Class B Projects (Problems in Design) require not only good architectural treatment of the elevations and sections of a building, in character with its use, but a well composed plan, in which the general arrangement is simple, the structural features carefully studied, and the circulation and the location of the stairways arranged in a practical manner.

The Class B Esquisse-Essais (Rendered Sketches) are given to teach the student to design and present rapidly and skillfully simple architectural problems. This training is of the greatest assistance in the studying of larger architectural problems and is of the utmost importance.

The Class A Projects (Problems in Advanced Design) require an advanced knowledge of planning, and the principles of decoration. In general a well composed plan which shall meet intelligently the requirements of the Programme is of primary consideration, but if the problem is a decorative one, the composition of the decoration may take precedence over the plan and structural requirements.

The Class Esquisse-Essais (Rendered Sketches) for students studying problems in Advanced Design, require sketch designs completed within nine (9) hours. Small monuments, the decorative treatment of some subject simple in plan, group plans, etc., etc., are typical subjects.

The Archaeology Projects (Problems in Different Epochs of Design) are given to familiarize students of Class A and Class B with the recognized styles of architecture in the different epochs of design. An archaeology Project requires an esquisse (Preliminary Sketch) to be made in loge and the Project Rendu (Final Drawings) to be prepared as in Class A or B Competitions in conformity with the regulations of the programmes of competition which often permit the advantageous use of color in the rendering and in which the shadows must be accurately cast.

Active Atelier work will start about September 26, 1916. A calendar showing the dates for all problems during the 1916-1917 season will be posted in the club rooms about September 15, 1916.

If interested, send your name and address, and further information will be forwarded to you.

STOCKTON ARCHITECTS ORGANIZE.

New Organization Promotes Much Better Feeling and Will Result in New Building Code.

A permanent organization of the Stockton architects has been accomplished and regular monthly meetings are now being held. Members of the organization are more than pleased and report the best of feeling.

Stockton has for years been without a building code, only construction within the fire limits being subjected to any restriction. This matter has been entirely in the hands of the Chief of the Stockton Fire Department and has been very unsatisfactory. The architects have now secured the support of the City Council, and a committee of their organization is at work compiling a building code for the city.

CITY AND TOWN PLANNING AIDED BY THE UNIVERSITY.

Wise forethought by California communities in taking up problems of civic improvement, landscape gardening, tree-planting and floriculture is to be aided by the University of California.

The Division of Landscape Gardening and Floriculture of the University of California, of which Professor J. W. Gregg is the head, will hereafter send a representative to any California community which wants preliminary study of any particular problem of landscape or floral interest. No charge whatever is made when such service

is of general civic value, but when of value to individuals only, a charge is made for the expense incurred. This work is planned to be advisory and educational in character, and in cases where the problem is of such a nature and of such size as to need the services of a practical landscape architect, the community or individual is so advised.

Without expense, also, the University will send experts to give public addresses on any phase of civic improvement of landscape gardening on which light is desired by improvement clubs, chambers of commerce, city and town planning commissions, school boards, or other organizations interested in improving the landscape and town-planning conditions of their home communities.

The movement in favor of universal military training and service is growing rapidly throughout the country, according to reports received by the National Security League.

A year and a half ago there was practically no expression of public sentiment on the subject of universal service. The first discussion of the subject by a body of assembled delegates occurred at the National Defense Congress of the National Security League, held in Chicago, November 27, 1915. At that time, however, action was deferred because it was thought the public was not then sufficiently familiar with the idea to insure its receiving the consideration its importance warranted.

After a thorough study of the question, especially with reference to its application to our democratic form of government, a special committee of the League, to which it had been referred, recommended it strongly, and a resolution approving the principle was unanimously adopted at the National Security Congress last January.

The growth of the sentiment for universal service has since that time been demonstrated by the number and character of expressions favorable to it which have come from all parts of the country. The introduction of a universal service bill in Congress by Senator Chamberlain of Oregon, and a nation-wide discussion, disclosing the democratic spirit of such a system, attracted attention to its merits as the basic foundation of national defense, and a recognition of the necessity for its adoption. This necessity has been emphasized by the experience of the militia call to the Mexican border which has disclosed the inequality and unfairness of a system that imposes all the burden upon the few who had voluntarily qualified themselves for service.

A striking feature disclosed in the educational campaign on this subject is that the real opposition to obligatory training and service is very limited. It has been shown that wherever serious thought has been given to the subject sentiment is generally favorable to the principle. A positive expression of opinion is often held in reserve on account of a lack of thorough understanding of the principle of universal service, but expressions of disapproval are rare.

Since the adoption of the resolution favoring universal service at the National Security Congress in Washing-

ton, several other conventions have adopted similar resolutions at the instance of the League.

Every canvass or referendum vote has shown a strong sentiment in favor of universal service and training. The vote by which the Chamber of Commerce of the United States, with its membership of 300,000 business men, indorsed such a system was at the ratio of \$89 for to 56 against.

The resolution of the Merchants' Association of New York adopted at their meeting in May of this year recommended military training of the entire male population physically able to bear arms, such training to be during the non-productive period of their lives before they have taken up their profession, business or vocation.

The Chicago school board, without a dissenting vote, adopted a resolution making the rudiments of military training a part of the curriculum of the high schools.

During the convention of the National Education Association held recently in New York, the National Security League submitted a resolution urging "That a system of universal physical training, as nearly as practicable similar to the system in vogue in Switzerland, be introduced in the elementary schools of the United States, and that instruction in the rudiments of military drill be established in the high schools and colleges." While the National Education Association did not accept this suggestion in its entirety, it adopted a resolution saying: "While it recognizes that the community or the state may introduce such elements of military training into the schools as may seem wise and prudent, yet it believes that such training should be strictly educational in its aim and organization, and that military ends should not be permitted to pervert the educational purposes and practices of the schools."

A referendum vote taken by the Chicago Tribune showed only 75 votes against the proposition out of 6,255 votes recorded. A similar vote taken by the Baltimore Sun in a number of States showed \$186 for universal service and 1,055 against. Votes taken in a like manner in various parts of the country have shown like results.

The results already achieved in awakening sentiment for universal service greatly encourage officials of the National Security League in the continuance of its campaign for the ultimate acceptance by the country of this necessary system of national defense.

HUGE CEMENT MERGER IS FOUGHT.

PORTLAND, ORE.—In a \$1,500,000 suit on file in the United States court here, fourteen big western and Canadian cement companies are charged with illegally combining in violation of the Sherman and Clayton anti-trust acts. The action was instituted by A. N. Moore, vice-president and treasurer of the Oregon Portland Cement Company of Oswego.

He asserts the alleged international trust seeks to absolutely control or ruin his concern, that it arbitrarily confines his production of cement to one-sixth the capacity of his plant, dictates the exact territory he may do business in and has attempted several

times to ruin him by methods known in the world of high finance. It is further alleged that the combine makes coast states pay \$1,200,000 more for cement annually than they should pay.

The following defendants are named: Pacific Portland Cement Company, San Francisco; Santa Cruz Portland Cement Company, San Francisco; Standard Portland Cement Company, San Francisco; Henry Cowell Lime and Cement Company, San Francisco; Washington Portland Cement Company, Seattle; Superior Portland Cement Company, Seattle; Olympic Portland Cement Company, Seattle; Colorado Portland Cement Company, Denver; International Portland Cement Company, Spokane; Lehigh Portland Cement Company, Allentown, Pa.; Three Forks Portland Cement Company, Butte, Mont.; Cement Securities Company, Ogden, Utah; Vancouver Portland Cement Company, Limited, of Vancouver, B. C., and a number of individuals.

FURNACES NOW TO BE HEATED BY ELECTRICITY.

MODESTO, Cal.—An "electric furnace" is the invention of Modesto's latest inventor, A. C. Fingerle. The invention is now protected by a "patent applied for" just received from the patent office at Washington through James L. Norris, patent attorney, by Attorney E. H. Zion, and Fingerle is ready to talk business to any manufacturer who may make him the proper offer in royalties or outright purchase.

Fingerle's "electric furnace" is the result of grievous personal experiences with coal furnaces, and experiments with electric heating devices in his own home. A heating plate placed in the floor in a corner of one of the rooms at the Fingerle home on Hackberry avenue last winter brought good results and the conception that electricity might be used instead of coal or gas in heating a furnace to warm an entire house.

The heating device for the electric furnace consists simply of a plate of Lincoln clay, a Sacramento valley product containing little or no iron. In this plate are arranged resistance coils alternately with perforations through which air passes from the door of the furnace to the conduits which carry the heated product to the rooms of the house. The clay plate is placed upon a hollow base of concrete and is surrounded by an air chamber insulated to retain the heat with the least possible loss.

Search of the patent office at Washington by Attorney Norris discovered no similar previous invention. Tests which have been made by Fingerle indicate that the use of electricity for heating this furnace is within the range of economy.

ASSISTANT CITY ENGINEER CHOSEN

FRESNO, CAL.—C. C. Van Valkenburgh has been appointed deputy city engineer to fill the position recently resigned by Leo A. Granger. Van Valkenburgh has been a member of the city engineer's force for two months assisting in preparations for the construction of the new sanitary sewers and storm drainage system.

WATER WORKS IN CITIES.

The Bureau of the United States Census has published a report giving statistics concerning water works, for the year ending June 30, 1915, for all municipally owned plants in cities of more than 30,000 population.

Of the 204 cities of the country of more than 30,000 population, only 46 have not a municipal supply; but 3 of the others—San Francisco, Birmingham and Denver—purchase most of their supplies from private corporations, the municipal systems being small ones. Municipal plans are found in all the 19 cities larger than 300,000; in 36 of the 43 cities of between 100,000 and 300,000 population; in 44 of the 60 cities of between 50,000 and 100,000 and in 56 of the 82 cities of between 30,000 and 50,000. Indianapolis, Ind., population 259,820, is the largest city supplied exclusively by a private company.

Between 1880 and 1889, 7 of these cities purchased existing water systems; between 1890 and 1899, 14 cities; between 1900 and 1909, 16 cities; and 11 have purchased the systems since 1909. Only 20 of these cities have built their own systems since 1880.

The estimated values of the municipal systems of these 155 cities is \$1,071,201,511, of which \$350,044,152 is the value of New York City's. The per capita values (based on populations reported served) are as follows: Cities of more than 500,000 population each, \$14.26; those of 300,000 to 500,000, \$44.44; those between 100,000 and 300,000, \$37.03; those between 50,000 and 100,000, \$32; those between 30,000 and 50,000, \$36.05. New York City's value is \$65.62 per capita, and that of the cities larger than 500,000 excluding New York is \$29.15.

Rivers and small streams furnished the whole of the principal supply for 6 of the 9 cities in the first group (larger than 500,000); 7 of the 10 cities in the next group; 26 of the 36 in the next group; 25 of the 44 in the next group, and 29 of the 56 smallest cities. Wells formed the sole source of supply in none of the first and second groups (although a large part of the supply of Brooklyn borough of New York City is from wells, as is the small municipal supply in San Francisco); in 6 of the third group; in 11 of the fourth group, and in 16 of the fifth group. The largest city relying entirely upon wells is Memphis, Tenn., although Spokane, Wash., supplies nearly two and a half times as much water from its wells to 80 per cent as many consumers. Lakes and ponds furnish the bulk of the supply to 3 cities of the first group, 2 of the second group, 4 of the third, 7 of the fourth, and 10 of the fifth group.

Standpipes are found in 98 of the 155 cities, the total number being 162. Several of the larger cities have more than one standpipe, Pittsburgh having 12, New York 9, Philadelphia and St. Louis each 3, Boston and Baltimore each 2. Of the second group of cities, Seattle has 9, Cincinnati 6, Washington 4, Milwaukee and Minneapolis each 2. Of the remaining 84, 24 have more than one standpipe, Dallas, Spokane and Wheeling each having 6; Fall River and Woonsocket 4; Portland, Tacoma, Youngstown, Duluth, Brockton and Kalamazoo 3 each. Schenectady has 2 with a combined capacity of 3,000,000

gallons, or an average of 1,500,000 gallons each, this being the largest average capacity of any city.

The wells used total 3,568 in number, of which New York has 1,367, Lowell 689, Newton 250, Dayton 126, Camden 166, South Bend 100, Canton and Perth Amboy each 90, and Memphis, the largest city relying exclusively on wells, 80.

The diameter of the wells vary from 2½ inches to 26 inches; also one 25 feet and two 47 feet diameter. The majority lie between 4 and 12 inches.

The depths vary from 25 feet to 3,000 feet, those over 1,000 feet being found at Dallas, Houston, Jacksonville, Rockford, Dubuque, Joliet, Cedar Rapids, Waterloo, Aurora and Waco.

Pumping is done by all but 23 of the 155 cities. In these plants the total horsepower capacity of steam engines other than turbines is 253,369, while that of steam turbines is 26,331. Electric motors have a combined capacity of 55,076 horsepower; water-power, 11,022 horsepower; and gas and oil engines, 2,965. The number of engines used are: steam, 742; steam turbine, 69; electric motors, 349; gas and oil, 42; waterwheels and turbines, 36.

More than twice as many plunger pumps are used as centrifugals, but with less than twice the capacity; the average capacity of the former being 8.6 million gallons per day, and that of the latter, 3.3. In the cities of 30,000 to 50,000 population, there are 145 plunger pumps with an average capacity of 4.2 million gallons per day, and 104 centrifugal pumps averaging 3.5. New York has the largest number of pumps, 162; Philadelphia is next with 63, and Chicago follows with 48. Philadelphia leads in capacity, having a combined capacity of 1,040 million gallons per day; New York has 937 million gallons, and Chicago 877.

On the average, only 39 per cent of the available capacity of the pumps is required to perform the work of the average day, leaving in most cases considerable surplus capacity for days or hours of maximum consumption. Several cities state that the average daily requirement for the maximum month is 25 to 30 per cent greater than that of the daily average for the year, and in some years the requirement for the maximum day is twice as great as the average for the year.

LUMBER IN ITALY.

ROME.—Ocean freights on American lumber have increased tenfold since the war began and the Italian Government is beginning to make inroads on its own precious reserve stocks of standing timber. There are about 16,000 square miles of forest area in Italy, or one-seventh of the total area of the country. Most of the timber wood is found in the Apennine Mountains which follows the entire length of Italy, beginning north of Genoa and rising out of the fertile plains of Piedmont. The wood is being used by the Government in large quantities for the construction of soldier barracks at the front, for strengthening trenches, for railroad and foot or wagon bridges along the countless new roads built at the front, as a part of the army's transportation system. Much of this lumber is carried piece by piece far above the timber line of the mountains, where

the soldiers are fighting on barren glaciers. The kind of wood being cut in Italy's forest is fir, oak and sycamore, woods formerly imported from Austria. Until recently many ship loads of pitch pine, mostly from the gulf ports of the United States, were delivered into Italy. But the freight and handling cost has made the price prohibitive. Anderson Polk, an American timber agent traveling in Italy, stated to the Associated Press correspondent that the value of the cargo of one of the last ships to arrive at Genoa from Tampa, Fla., was board measure, costing \$25 per 1000 feet at the wharf before the war, at present costing \$100 per 1000 feet.

SOLANO IRRIGATION.

DIXON, CAL.—It is stated on good authority northern Solano will have an irrigation system in less than two years. The source of water is said to be Cache Creek and Prospect Slough in the vicinity of Maine Prairie with the main ditch running southwest of Dixon towards Winters, Yolo County, which would require one or two lifts operated by powerful pumps.

TO INSTALL REDUCTION PLANT.

BAKERSFIELD, CAL.—A reduction plant of 100 tons capacity for handling the copper ore at the Winger mine in the Woody district, 30 miles north of Bakersfield, will be installed by the owner, Jos. Wetinger, this year. Some \$50,000 capital is to be invested in the mine, from which very good ore is being shipped. At the prevailing price of 25c to 27c a pound, it is claimed there is several million dollars' worth of ore in sight in the mine.

ARGENTINE-BOLIVIAN RAILWAY CONSTRUCTION.

ROSARIO, ARGENTINE.—By a decree of June 24, 1916, the Argentine Government has approved the plans and estimates prepared by the administration of State Railways for the extension of the Central Norte line to the Bolivian frontier to meet the La Quiaca-Tupiza line. The plans call for the construction of 1,568 feet of track, a culvert and a stone bridge across the La Quiaca River, and an expenditure of \$30,103. This includes one-half the cost of the bridge, as the Bolivian Government will pay the other half.

THE TITLE "ENGINEER."

It is unfortunate, according to the Engineering Record, that in America most people associate the word "engineer" with a man who runs an engine or a boiler. Even the man who operates the boilers of an apartment building is called an "engineer," although the name is entirely a misnomer when applied to him. He may be a good mechanic, but he is not an engineer. The gray haired man who drives the locomotive of a transcontinental limited and who holds the lives of hundreds of human beings in his care belongs to the very highest type of mechanic, but he is not an engineer, except in the United States and Canada. All foreign languages have words that properly designate the work these men are doing. In our country there is no word to distinguish them from the bridge builder, the sanitary expert, etc.

MILLION DOLLARS FOR NATIONAL FOREST ROADS THIS YEAR ALLOTTED.

Plans Announced for Work Under Federal Road Act.

WASHINGTON, D. C. — Secretary Houston has just announced the plan to be pursued in spending the ten million dollars appropriated by the Federal Aid Road Act for the construction and maintenance of roads and trails within or partly within National Forests, and has tentatively allotted among the various National Forest States the million dollars which is expendable this fiscal year.

The tentative allotments to the principal National Forest States are as follows: Alaska, \$46,250; Arizona, \$59,795; Arkansas, \$11,294; California, \$140,763; Colorado, \$62,335; Idaho, \$108,010; Montana, \$89,901; Nevada, \$19,195; New Mexico, \$42,622; Oregon, \$127,794; South Dakota, \$8,115; Utah, \$10,982; Washington, \$91,739; Wyoming, \$40,566. In addition, a total of \$9,552 has been tentatively assigned to Florida, Michigan, Minnesota, Nebraska, North Dakota, and Oklahoma, while the Eastern States—Maine, New Hampshire, Virginia, West Virginia, North Carolina, South Carolina, Tennessee, and Georgia—in which the Government is purchasing lands for National Forests, have been allotted \$21,057.

"In general," said Secretary Houston, "the States and counties will be required to furnish co-operation in an amount at least equal to 50 per cent of the estimated cost of the surveys and construction. However, upon a satisfactory showing by the applicant State or county that such proportion of co-operation is inequitable, it may be altered and the ratio of co-operation fixed upon a basis equitable to both the State or county and the United States."

The method followed in apportioning the money was explained by Secretary Houston as follows: Ten per cent of the amount available each year will be withheld as a contingent fund, one-half of the remainder will be allotted to the States in amounts which will be based on the area of National Forest lands in each State. The other half will be apportioned on a basis of estimated value of timber and forage resources which the Forests contain. Amounts apportioned but unexpended with three years, and any balance of the contingent fund which remains unapportioned at the end of each year, will be reapportioned on the same basis as the original allotments.

The two groups of States to which lump sums are allotted are, it was explained, to be considered as single units of apportionment. Apportionments now to be made are for the current fiscal year only. Hereafter new apportionments will be made, giving consideration to the number and character of applications made by the State and county officials for expenditures on specific projects. These applications must be filed with the District Foresters in the seven National Forest Districts on or before January 1 of each year, for the fiscal year beginning the following July 1.

The determination of the projects upon which funds will be expended

during the current fiscal year will be made on the basis of applications which must be filed with the District Foresters on or before October 1, 1916. Each application must contain a statement of the public needs to be served by the proposed road and the manner and extent to which it would aid in the development of resources upon which communities within or adjacent to the National Forests are dependent, and must also show the general location of the proposed road and its estimated cost. As already stated, in general States and counties must be prepared to furnish co-operation equal to at least 50 per cent of the estimated cost of surveys and construction. This co-operation may be in the form of money, labor and materials, or the construction of roads. Where other factors are equal, the approval of a project may be determined upon the relative amount of co-operation offered. Many applications have, it is stated, already been received for expenditures upon specific projects.

BRICK AND TILE PRODUCTS.

The value of the brick and tile products of the United States in 1915, according to the United States Geological Survey, Department of the Interior, was \$125,794,844. Three varieties of brick and tile and miscellaneous products increased in value in 1915 compared with 1914. Front brick, valued at \$9,535,536, increased \$245,913, or nearly 3 per cent over 1914; drain tile, valued at \$8,879,264, increased \$357,225, or 4 per cent; fire brick, valued at \$18,839,931, increased \$2,412,384, or nearly 15 per cent; and miscellaneous products, valued at \$3,716,944, increased \$551,130, or 17 per cent. There was a decrease of the total product of about 3 per cent.

The product that showed the greatest decline was sewer pipe. Common brick and terra cotta also showed decrease compared with 1914. The decrease in these industries occurred during the early months of the year, but the conditions improved during the last three or four months of the year, the year closing with bright prospects for 1916.

THE FIRST ELECTRIC LAMP.

The basic discovery of the possibility of electric light was made by Sir Humphry Davy in 1810, but for the next fifty years the developments were solely scientific and no practical use was made of them. In 1862, however, an arc light was installed in lighthouse at Dungeness, and this is generally believed to be the first electric lamp in regular service.

CENTRAL CALIFORNIA GAS CO.

TULARE, CAL.—The Central California Gas Co. has filed with the Railroad Commission an application for authority to install a municipal street lighting system in Tulare, Tulare County, to issue a sufficient preferred or common stock to pay for the construction and to contract with the city of Tulare for gas service at \$52 a year for each of forty-four lights for five years. The commission has also authorized the Central California Co. to

issue a total of \$49,500 in common and preferred stock for the purpose of making improvements on its Visalia plant. This makes a total of nearly \$80,000 asked for by President Forney. Of this amount about \$60,000 is to be expended in Visalia. A new generator and other improvements will be added, including more and larger mains.

HIG COPPER REDUCTION PLANT

According to A. P. Peake, Butte mining man, additional capital totaling \$40,000 or more will be supplied this fall for the erection of a 100-ton reduction plant at the Weringer mines in the Woody District, Kern County. An equal sum of money is said to have been expended in developing the property during the past several months. The property is 30 miles northeast of Bakersfield.

PUBLICATION ANNOUNCEMENT.

The Portland Cement Association, Chicago, Ill., has published two very interesting booklets dealing with concrete and some of its uses.

One booklet, entitled, "Concrete Sewers," contains 43 pages of information for contractors and engineers on sewer construction. The booklet entitled "Concrete Swimming and Wading Pools and How to Build Them" gives some very good ideas on the design of swimming tanks, etc. Both books are well illustrated and may be obtained free of charge upon request of the Portland Cement Association, 111 West Washington street, Chicago.

MARTINEZ SOON TO BE BIG CITY.

MARTINEZ, CAL.—The Shell Oil Company is doing some big things in Martinez at present. A new town has sprung up on account of the activity of three of the great oil companies of this country, the Shell Company, the Associated Oil Company and the American-Oriental Oil Company. Shell avenue is destined to play an important part in the business development of the new city as it connects up the Santa Fe Railroad with the great industrial activity which now is going on.

GRADE CHICO STREETS.

CHICO, CAL.—The reconstruction of thirty-two blocks of streets in the Chico Vecino suburb has been started by the county under the direction of Supervisor Robert P. Holmes. The streets will be graveled before the winter sets in.

SUBMARINE REPAIRING PLANT.

VALLEJO, CAL.—A submarine repairing plant to cost \$120,000 is to be installed at Mare Island this fall by the Public Works Department for the Machinery division, according to information received here from the Bureau of Steam Engineering. The plant will be one of the most modern of its kind in the United States, and when in operation the navy yard will be in a position to construct as well as to thoroughly repair submarines of all types.

KLINGSTONE PRODUCTS.

Klingstone Stucco and other magnesite products manufactured by the Magnesite Products Company, 1205 Humboldt Bank Building, San Francisco, have now been before the public for somewhat over a year and the material is not only proving all that the manufacturers claim for it, but shows results which are very astonishing to those who have either used it or investigated its application. It has, without doubt, been demonstrated to the Pacific Coast Builders and Architects that Magnesite, as a building material, is destined to play a very important part in future construction work.

Magnesite Stucco has been used very

pendable durable and economical line of magnesite building materials and on the other hand because the entire Western Hemisphere is today dependent on California for its supply of Magnesite.

With the supply and demand thus afforded, and in evidence of the success and popularity of Klingstone, the Magnesite Products Company have already applied their material to a great many buildings, both new and old, and under such varying conditions that the heavy rains and fogs of the Coast cities and the dry burning winds of the inland valleys have had full opportunity in accomplishing such destruction or deterioration as is within

bonding directly to the surface to which it is applied. On account of the nature of the mix there is no shrinkage of mass in the material, no such thing as hairline cracks and no drawing away of the stucco from doors and window trims. There is no appreciable shrinkage or expansion due to variation in the temperature, and as a result of these qualities the possibility of moisture penetrating and getting behind the stucco coating of the building is practically eliminated.

Klingstone, when set, has many times the tensile and breaking strength of lime and cement plaster. It also possesses considerable elasticity, and it is, on account of the combination of these qualities, which no cement plaster has ever been known to possess, that it shows such remarkable durability as a building material.

There are three very satisfactory methods of preparing a frame building for Klingstone Stucco.

1. Sheath the building with four inch or six inch rough boards and if one side is surfaced put the rough side out. Over this sheathing, nail one inch galvanized eighteen or twenty gauge chicken wire and place strips of same material on all inside and outside corners.

2. Sheath the building with six inch rough boards each board having three longitudinal saw cuts or grooves approximately one-quarter inch wide by one-quarter inch deep. Place strips of one-half inch mesh wire on all inside and outside corners.

3. Sheath the building horizontally with the same size and grade of lumber as is used for cement plaster and then nail standard wood lath diagonally in the same manner and spacing as for inside lathing. Use one inch galvanized eighteen or twenty gauge or one-half mesh strips on all inside and outside corners.

Under any of these methods building paper may be used behind the sheathing, or under method three the paper may be used under lathing, but in no case is it necessary. Furring strips are not recommended under any condition, and the standard method of using paper and furring strips is not desirable as it not only requires more material than is necessary, but results in a bond between the Klingstone and the paper, with no substantial tie between the paper and the surface of the sheathing. The corner strips in all cases should be nailed well and should lap at least four and one-half inches each way. In applying the first coat of Klingstone, the surface of the building is first treated with a light wash of Klingstone Oil in order to prepare the surface and to produce a bond between the two materials. After a few days set the second coat may be applied and floated, stippled or dashed as may be desired.

The matter of proper construction and preparation is as necessary with the use of Klingstone as with any other material, and while Klingstone will stand considerably more stress and rougher usage, such things as settling corners and poorly constructed bays, cornices and other structures, if improperly braced, have been known to cause breaks and to mar what would otherwise be first class work.

In addition to new work, Klingstone is used very extensively for the overcoating of existing frame buildings.



Residence of Mr. Daniel McPhee, 880 El Camino Del Mar and 32nd Ave., San Francisco, Covered With Klingstone Stucco.

extensively and successfully in the Eastern States for the past ten years. But on account of the scarcity of high-grade magnesite and also on account of the high cost of transportation, little had been known of this material on the Pacific Coast previous to the last few years.

The Magnesite Products Company in San Francisco have associated with them those who have had a great many years experience in the manufacture of magnesite products. They are closely associated with the Sonoma Magnesite Company, of California, which company owns one of the largest properties in the State. The two companies have joined the ranks of our Home Industries and have made an extensive investment in this State, because on one hand the Pacific Coast offers an immense market for a thoroughly de-

their power, and limiting the power of the Elements is the purpose of this material.

Klingstone is made up of two component parts: one, the dry material which is prepared and mixed in the San Francisco Plant of the company and which is shipped in 100-lb. sacks, and the other, Klingstone Oil, handled in 50-gallon drums which is a liquid preparation containing the setting and waterproofing materials. The powder and liquid are mixed, applied and finished in a manner differing little from that of cement plaster. At any rate, the method of use is readily understood by any intelligent workman.

The material is applied in two coats to a total thickness of $\frac{1}{2}$ inch. It can be floated in two to three hours after application and sets extremely hard in twenty-four hours; at the same time

Any building, no matter what its finish may be, no matter what its design may be, can be transformed into a modern stucco building by the use of chicken wire nailed directly over the painted or unpainted surface, and then applying Klingstone the same as on new work. As a beautifier, as an additional protection against the weather, and as a means of enhancing the value of ones property, this offers a most satisfactory and economical means.

The Magnesite Products Company, at their general office, 1205 Humboldt Bank Building, San Francisco, have samples of various finishes on display and welcome at all times a visit or call from those who may be interested.

DEEP WELLS THAT FEEL THE SEA.

In their investigation of the underground water resources of the Coastal Plain of Virginia the geologists of the United States Geological Survey have collected data relating to the many hundreds of artesian wells that yield excellent waters in large areas of the coastal region. Particular note has been made of the quantity and quality of the supply afforded by wells that give flows at the surface. The water of most of these wells is admirably adapted to household uses, though that of some of them contains enough mineral salts in solution to make trouble in boilers used for steam production.

The variation in flow exhibited by these wells with the rise and fall of the tide is of peculiar interest, the flow being notably greater at the flood than at the ebb tide. It is the general opinion among well drillers that practically all flowing wells near tidal rivers or inlets from open bays do feel the distant sea, but some of them so slightly that the variation in flow is not noticeable.

The geologist in charge of the ground-water investigations in Virginia states that changes in water level in wells, due to fluctuations in the height of the surface of some neighboring body of water, have been observed all over the world. It is customary to explain these changes by supposing a direct connection between the river, lake, or bay; but in many places, as in eastern Virginia, such connection is clearly impossible, owing to the depth of the wells and the nature of the intervening beds some of them dense, tough marls and clays. These beds, however, though they do not transmit water, nevertheless contain it, and as water is practically incompressible, any variation of level on the river or bay is transmitted to the well through the water-filled gravels, sands, clays, and marls. When a porous bed is tapped by a well the water rises to the point of equilibrium and fluctuates as the hand of the ocean varies its pressure on the beds that confine the artesian flow.

LAUREL THE EFFICIENCY HARDWOOD.

Do you know that California Laurel, being one of our native woods, is the cheapest hardwood obtainable in this market? Its value is becoming more appreciated every day. Here in San Francisco some of our largest buildings, for instance the Palace and St. Francis Hotels, are finished in Mahoganyized Birch. California Laurel

achieves the same or better results at a much lower price.

California Laurel does not cost very much more than Redwood or Oregon Pine. It costs considerably less than any other hardwood. It can be used for practically any purpose where hardwood is required, either for strength or adornment, and it is fast becoming a general utility hardwood. It makes fine furniture, durable store, bank and office fixtures, and lasting and dependable interior trim. Like birch, it mahoganizes easily and well and it is much cheaper than birch. It is easily worked and at the same time very strong so that whether desired for strength or adornment, California Laurel will fill the bill most economically and efficiently.

PLEA TO HOUSE FOR ADEQUATE NAVY PROGRAM.

WASHINGTON, D. C.—A strong appeal for an adequate navy program has been addressed to Chairman Padgett of the House Committee on Naval Affairs by Bascom Little, of Cleveland, Chairman of the Committee on National Defense of the Chamber of Commerce of the United States.

Mr. Little sets forth that a program

of naval construction sufficient to restore the United States at least to its former position or second naval power in the Atlantic, with a surplus force in the Pacific sufficient to protect our coast trade routes, possessions, the Canal Zone and adjacent territory, was recommended by an overwhelming vote in the recent referendum on National Defense taken by the Chamber of Commerce of the United States. He informed Chairman Padgett the actual count of votes showed 952 votes in favor and only 10 against.

Three hundred and fifty-nine commercial and trade organizations representing forty-three states according to Mr. Little took part in the ballot.

"This record of business opinion in favor of an adequate navy has seemed to us momentous," Mr. Little argues, "and I am writing to urge upon you and your committee the adoption of a program not less than that passed by the Senate. Even the construction endorsed by the Senate will not, we are informed, attain the full measure of defense which the business men of the country have recommended. It seems, however, to offer a practical and tangible beginning and I take the liberty of urging it upon you on that account."

New Building Laws

of
San Francisco

On Sale, 25c per Copy.

Daily Pacific Builder

560 MISSION STREET

Mail Orders Solicited. Send coin or postage stamps of 1 and 2 cent denominations.

HARDWOODS — VENEERS

No matter what **kind** of Hardwoods Flooring or Panels you may require, nor what **quantity** of any you may need for **immediate delivery**, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured **service** and **promptness** coupled with **fair prices** as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2539.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

LAKE PROJECT IS PROGRESSING RAPIDLY.

TULARE, CAL.—The proposition to reclaim 262,000 acres of the Tulare Lake basin and construct a reservoir and canals to hold the lake waters for irrigation purposes, at a cost of \$6,000,000, is being presented to land owners, and after a few more signatures are secured the plan will be presented to the State Reclamation Commission, according to a statement made by A. G. Wishon, general manager of the San Joaquin Light and Power Company, when he returned from the lake to Fresno Wednesday. At present 175,000 acres of the lake bed is under water, and the damage this season was \$2,000,000. The cost of the reclamation project is estimated at \$20 per each acre of land benefited, but more than this amount will be added to the value of the land. It is planned to confine the lake to a reservoir covering 20,000 acres, to lead the water into the reservoir from the various rivers and streams flowing into the lake, and to provide canals to carry off the surplus water.

PROPOSE TO RECLAIM THOUSANDS OF ACRES.

HANFORD, Aug. 8. —Reclamation and irrigation of 262,000 acres of Tulare basin lands is the project being presented to the interested land owners by the San Joaquin Light and Power Corporation, prior to taking the matter up with the State Reclamation Commission. Providing investigation proves there are sufficiently interested land owners the project will be taken up under the new irrigation and reclamation law by the creation of a district.

The project contemplates the checking of the flood waters of streams emptying into Tulare lake and storing the water for irrigation, thereby preventing the damaging of crops by floods. There are said to be 175,000 acres around Tulare lake covered by only a few inches of water and the system of dykes contemplated would reclaim this tract for farming.

The plan includes the construction of parallel dykes along both sides of streams flowing into the lake, thereby shutting the flood from the adjoining lands and impounding sufficient water in a 20,000 acre space of the lake for irrigating the reclaimed acreage. The cost is estimated at approximately \$6,000,000.

NEW MUNICIPAL BUILDING IN COLON.

COLON, PANAMA.—The city of Colon has just contracted for the erection of a new municipal building, which is to be situated at the corner of Broadway and Sixth street. It will have a frontage of 120 feet on Sixth street and will occupy two blocks with the exception of a space to be devoted to grass plats. It will be a reinforced concrete structure, two stories high, in the style of the Italian Renaissance with modifications.

The new building, which is to be as nearly fireproof as possible, will cost \$50,000.

FAST ELECTRIC TRAINS TO Sacramento

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:30A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2539
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 1735.

Cut this out and mail to-day

Subscription Rates

Payable in advance

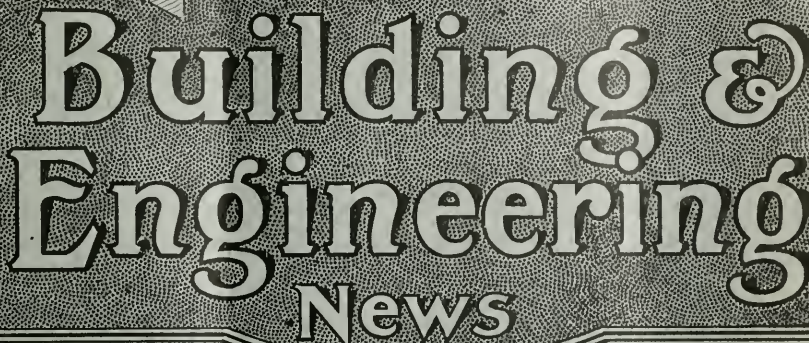
- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News

560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____



Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 37.

Publication Office,
560 Mission St.

San Francisco, Cal., September 13, 1916

Telephones Douglas 2371
Douglas 2372

SCHUMACHER WALL BOARD

THE WALL BOARD THAT DOES NOT WARP, SHRINK OR BUCKLE

Main office and factory, 58th, San Pedro Sts. and Slauson Ave. Los Angeles, Cal.
For Sale at all Lumber Yards

UNIVERSAL BED

Latest and Best in Wall Beds.

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"
Automatic
Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907

Oakland, Oakland 8941

THE
**Safe Deposit Vaults
of the
BANK OF ITALY**

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

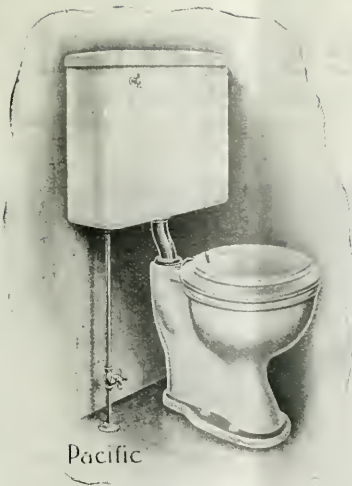
Fins and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

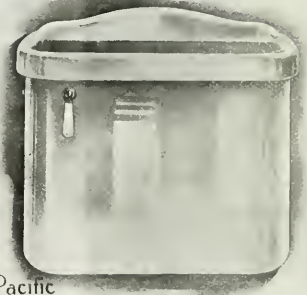
Bet. Cough and Octavia

SAN FRANCISCO, CAL.



*Key-eta--the silent closet
that eliminates those
sounds your customer
wishes suppressed. . .*

*KONVENO--the most practical
tank for the small bathroom.
Its top is so constructed that it
can be used as an extra shelf.*



"Pacific"



Plumbing Fixtures

**Main Offices and Showroom,
67 NEW MONTGOMERY ST.
SAN FRANCISCO**

**Factories,
RICHMOND,
CALIFORNIA**

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4--\$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. September 13, 1916

Sixteenth Year, No. 37



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street,
Telephone—Douglas 2572.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Officials on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	
Apartment Houses	4
Bath Houses	4
Bridges, Dams & Harbor Work	1-5
Churches	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	20-21
Government Work & Supplies	5-6
Halls and Society Buildings	6
Hospitals	6
Hotels	6
Libraries	6
Los Angeles and Southern California	23
Marin, Contra Costa and Sonoma Counties	20
Museums	16-17-18
Oakland and Alameda County	15
Portland and Oregon	23
Power Plants & Water Systems	6
Residences	6-7
Sacramento, Stockton and Northern California	21-22-23
San Francisco	10-11-12-13-14-15
San Jose & Santa Clara Valley	18-19-20
Schools	7
Sealed Proposals	23
Seattle and Washington	23
Sewers and Street Work	15-8
Stores and Offices	8-9
Theatres	9

ADVANCEMENT OF PERMANENT ROAD CONSTRUCTION.

In a recent address upon road building, Dean W. F. M. Goss, of the University of Illinois, reviewed at length the advancement in permanent road construction in the last two years, and said, in part:

"Every community, savage or civilized, has in some way sought to develop its means of travel and intercommunication. It was the established policy of the Romans when they had conquered a people and established a province, to open up highways which would connect the new possession with the sea and thence with Rome in order that a way might be established over which the vigor of the province and the refinement of the Capitol might flow and intermingle. It used to be a maxim in this western country of ours that 'every man has a right to have a road to meeting, to market and to mill.'"

"The character of the highway has always depended upon the nature and volume of the traffic it is designed to sustain. The foot traffic of the American Indian was served by the simple trail. Horse-drawn vehicles required a broader road, and the modern motor driven vehicle demands a way which is better located and more securely established. As a consequence the road of today must respond to high standards of excellence with reference to grade curvature, character of surface, and in resistance offered to wear and disintegration under influences hitherto unknown. Moreover, these qualities must all be secured in return for minimum costs, for today choice in the selection of a public utility is largely competitive. The public cannot have all that it desires, and in the long run it selects that for which it thinks it is best able to pay."

"Two years ago there assembled in this place a group of men who were interested in the art of constructing roadways of Portland cement concrete. Their meeting constituted the First National Conference on Concrete Road Building. The existing mileage of concrete roads was then exceedingly small and the period during which such roads had been in service was short. The record of actual experience, both in construction and maintenance, was meager, but there was a three days discussion, and so well did the Conference work that towards its close there were drawn up a series of recommendations touching many questions which were fundamental in the art of concrete road building. These recommendations were put forth as constituting a summary of the best information then obtainable, touching the important matters which they were designed to cover. Ten thousand copies of the Proceedings of this first Conference were printed, and so great has been the demand for them that the supply was exhausted before the end of the year

The recommendation of the Conference received wide publicity through many different channels.

"Their use has served to develop uniformity in practice. The specifications of State, county and municipality have been improved by being brought into conformity with their requirements. In the year following the first Conference, there was built 14,200,000 square yards of concrete highways, pavements and alleys, an amount which was 40 per cent in excess of that of the preceding year, and which is equivalent approximately to 1,500 miles of 16-foot roadway. In spite of the financial conditions of the country in 1915 and the inclemency of the weather in many portions of the country during the construction period of that year some 15,000,000 square yards of concrete roadway were constructed."

"The States of New York, Ohio, Wisconsin and California each laid over a million square yards, and Michigan, Illinois and Indiana each laid almost as much. The States of Delaware, Pennsylvania and Mississippi made during this year their first extensive investments in concrete roads, all with the result that more than 3,000 miles of concrete roads have been built during the past two years."

SHIP AND BOATBUILDING MATERIALS.

Getting the proper lumber in order to go on with the enormous amount of wooden ships and boats under construction has been quite a problem this year. Materials have, to a great extent, been contracted for before arrival, so that any builder wanting to pick up a keel or special sized piece of lumber in a hurry has quite frequently been up against it. The situation is being eased somewhat now as the results of foresight in ordering from the mills.

White Brothers, the pioneer hardwood dealers of the Pacific Coast, have tried in every way to give the best possible service to their many friends during these trying times. By bringing in everything which they could procure in the Eastern and foreign markets in the way of ship and boat building material, and issuing at frequent periods lists of the stock on hand for immediate shipment, they have helped the ship builders to know just what they could count on.

The latest list issued by these people under date of August 21st shows a goodly number of sticks, 1 1/2x6 inches up to 22x24 inches—16 to 19 feet long in Ironbark and Oak, 10 to 30 feet keel stock in Oak and Spotted Gum. Teak plank from 1 inch to 10 inches in thickness, a large quantity of Wybrock Bending Oak, some Treemats, and a number of Oak boat knees, natural crooks, to be had at very reasonable prices.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$35,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners, Gerard Investment Co. Location, southeast Hyde and O'Farrell. Will contain a number of two, three and four room apartments. Plans complete and segregated figures being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$17,000. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner's name withheld. Location, northeast 8th avenue and California street. Will contain six four-room apartments, basement garage, social hall and billiard room. Plans complete and figures being taken.

SAN FRANCISCO—Apartment house alterations, 3 story, frame, \$3,500. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location, Mission District. Work will include new plastering, painting, plumbing, electric work and interior and exterior carpentry. Plans complete and figures being taken.

SAN FRANCISCO—Apartment house alteration, 2 story, frame, \$3,000. Architect, W. S. Rhodes, 3372 16th street, S. F. Owner Mrs. Toner. Location, 1193 Dolores street. Work will include interior and exterior plastering, new interior trim, painting, plumbing and electric work. Work will be done by Day Labor.

SAN FRANCISCO—Apartment house and store, 1 story. Class C, \$15,000. Architect, Frank S. Holland, Call-Post Bldg., S. F. Owners, Estate of Ruben H. Lloyd. Location, north Sutter south Mason. Will contain store in front portion of building and living apartments in the rear. Plans complete and figures being taken.

EUREKA, HUMBOLDT CO., CAL.—Apartment house, 3 story and base frame. Cost not stated. Architects, Koening & Christiansen, Humboldt Bank Bldg., S. F. Owner, C. D. Daly. Location, Hillsdale and E streets. Will contain 29 apartments of two, three and four rooms. Plans complete and being figured.

SAN FRANCISCO—Apartment house alterations, frame, \$7,500. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, George Gieppert. Location, north Green near Fillmore. Work will consist of alterations of five rooms each. Plans being prepared.

SAN FRANCISCO—Apartment house alteration, 2 story, frame, \$4,000. Architect, none. Owner, A. Petry, 336 Pierce street, S. F. Location, northeast Page and Scott. Work will consist of altering three flats into six modern apartments. Plans complete and work to be done by Day Labor.

Contracts Awarded

LOS ANGELES, CAL.—Apartment house, 2 story and base, brick and

steel. Cost not stated. Architect, Arthur Heineman, San Fernando Bldg., L. A. Owner, William J. Donald. Contractor, H. S. Heineman, San Fernando Bldg., L. A. Contract price not stated.

BATH HOUSES.

LODI, SAN JOAQUIN CO., CAL.—Bath house, 1 story, frame. Cost not stated. Engineer, City Engineer, Lodi Owners, City of Lodi Bids are being taken by the City Trustees for the erection of the proposed one story frame natatorium building to be erected in Lodi. Revised plans for this structure were prepared by City Engineer Barzellotti. Bids close Monday evening, September 18th. The tank for the structure is already in place.

BONDS

YUBA CITY, SUTTER CO., CAL.—The County Supervisors have definitely decided that the proposition of voting upon \$320,000 worth of county bonds for the Nicolaus, Live Oak and Grimes bridges, the completion of the Long bridge and a new hospital. The issue will be provided for on the November ballot.

The issue if carried will be disbursed as follows: Nicolaus bridge, \$165,000; Grimes bridge ($\frac{1}{2}$ cost), \$45,000; Live Oak bridge ($\frac{1}{2}$ cost), \$30,000; completion of Long Bridge Trustee, \$60,000; new county hospital, \$20,000.

PALO ALTO, SANTA CLARA CO., CAL.—A delegation from the San Jose Chamber of Commerce met with the Chamber of Commerce of this city at its regular meeting and agreed to petition the Board of Supervisors of this county toward having a new roads bond issue put for decision before the people at the November election.

According to the plans outlined by the joint body, the county will be asked to agree to a bonded indebtedness of \$1,000,000 to carry on the work.

SUNSVILLE, LASSEN CO., CAL.—The present \$20,000 county hospital has proven too small, and it is probable that a bond election will be called to provide funds for making additions to the structure.

MOCKELMUNE HILL, CALAVERAS CO., CAL.—A petition is being circulated for the calling of an election to establish a high school in this district. The nearest high school at present is located at the county seat, a distance of ten miles. After the formation of the district a bond election will be called to provide funds for the building to be erected.

GLENDALE, LOS ANGELES CO., CAL.—The City Council has adopted a resolution to call a \$15,000 bond election for the purpose of purchasing new fire apparatus, including chemical wagons, several hundred feet of fire and chemical hose, couplings, etc.

LOS ANGELES, CAL.—The Panoche Valley Railroad Company has filed with

the State Railroad Commission, an application for permission to build a broad gauge railroad from South Dos Palos or Los Banos, through the Little and Big Panoche Valleys to what is known as the Ashurst ranch, in San Benito County, a distance of 52 miles. The estimated cost of construction is \$1,200,000. The company proposes to finance the construction by issuing \$100,000 worth of stock and \$800,000 of bonds. The incorporators are: B. J. Klarman, Geo. F. Eisenmeyer, Samuel Taylor, H. W. Altman, Harry A. Hollzer, all of Los Angeles.

SANTA MONICA, LOS ANGELES CO., CAL.—R. H. Moulton & Co. have been awarded the \$712,500 issue of Santa Monica Water Works 5% bonds, at par and a premium of \$51,557.81. There were twelve other bidders.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—The Board of Supervisors has been petitioned to include in the next tax levy a sum of about \$55,000 for the construction of a cut-off from Deep Creek to the dam at the head of Big Bear Valley.

EAGLE ROCK, LOS ANGELES CO., CAL.—The proposed bond issue in the sum of \$60,000 for the erection of new school buildings at Eagle Rock failed to carry.

BRIDGES, DAMS AND HARBOR WORK

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Bridge, steel. Cost not stated. Engineer, County Surveyor San Bernardino. Owners, San Bernardino County. Bids will be received by the Board of Supervisors up to 11 a. m. of September 25th for the construction of one 165-foot steel truss highway bridge across Timoteo Creek known as the Barton Avenue bridge, in accordance with plans and specifications on file at the office of the Board. Certified check for 5 per cent required. L. R. Patty is the Clerk of the Board.

COLUSA, COLUSA CO., CAL.—Levee construction. Cost not stated. Engineer, City Engineer, Colusa. Owner, City of Colusa. The Town Trustees have instructed Clerk F. E. Wright to advertise for bids for the proposed levee work from the east line of the city to the west. The bids will be from team and dredger work. Plans may be had from Town Clerk F. E. Wright.

Contracts Awarded

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Bridges, 2 steel, \$20,200. Engineer, County Surveyor, San Bernardino. Owners, San Bernardino County. Contractors, Mercereau Bridge and Construction Co., Pacific Electric Bldg., L. A. Contract price, \$20,200.

BAKERSFIELD, KERN CO., CAL.—Bridge, reinforced concrete, \$2,653.30. Engineer, County Surveyor, Bakersfield Owners, Kern County. Contractor, Castro & Blaisdell, Bakersfield. Contract price, \$2,653.30.

MARYSVILLE, YUBA CO., CAL.—Bridge, reinforced concrete, \$4,199. Engineer, County Surveyor, Marysville. Owners, Yuba and Nevada Counties. The Supervisors of Yuba and Nevada Counties at a joint session awarded the contract for the joint county bridge over Dry Creek, near Spencer-ville to A. H. Burton of Grass Valley, being the lowest of four bidders at \$4,199. The highest bid for the work was \$8,300.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridge, steel and reinforced concrete, \$40,150. Engineers, Mayberry & Johnson, Pacific Electric Bldg., L. A. Owners, Santa Barbara County. Contractor, W. M. Ledbetter & Co., Pacific Electric Bldg., L. A. Contract price, \$40,150.

CHURCHES

SAN JOSE, SANTA CLARA CO., CAL.—Convent, 3 story, brick or reinforced concrete, \$100,000. Architect, William Klinkert, San Jose. Owners, Notre Dame Convent. The Sister Superior of Notre Dame Convent has informed our representative that all construction work contemplated at that institution will be carried on under the direction of Architect William Klinkert. This work will consist of the construction of a three-story and basement building either of reinforced concrete or brick and steel, which will cost about \$100,000. Construction will not be started for at least several months. Further mention will be made.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, A. T. Morris, 501 11th avenue, S. F. Location, west 9th avenue north Cabrillo. Will contain two flats of five and six rooms with basement garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Flats, 2 story and base, frame, \$3,700. Architect, W. S. Rhodes, 3372 16th street, S. F. Owner, Margaret E. Grace. Location, Claremont avenue northeast Cobby. Will contain two flats and a store. Plans complete and figures being taken.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, Edward J. Foulkes, Crocker Bldg., S. F. Owner, J. W. McCarthy. Location, Balboa and 15th avenue. Will contain two modern flats with basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$7,500 each. Architects Antonovich & Harris, Monadnock Bldg., S. F. Owner, York Realty Co., 75 utter street, S. F. Location east Aruello Boulevard south California. Each building will contain two flats of five and six rooms. Basement garage. Plans complete and figures being taken.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$5,000 each. Architect, one. Owner, J. Johnson, 150 17th avenue, S. F. Location, east 17th avenue north Clement. Each building will contain two flats of five and six rooms with basement garage. Plans complete and work to be done by Day Labor.

GOVERNMENT WORK & SUPPLIES

Canal Work, Shoshone Project.

The following bids were received at the U. S. reclamation service, Powell, Wyo., for the construction of canal on the Shoshone project, Wyoming:

Hoyt Hayden, Great Falls, Mont., schedule 1, \$25,500; schedule 2, \$15,750; schedule 3, \$30,940; schedule 4, \$41,500; grand total, \$113,690.

Geo. P. Wright, Tacoma, Wash., schedule 1, \$27,084; schedule 2, \$16,110; schedule 3, \$32,257.50; schedule 4, \$40,145; grand total, \$115,596.50.

Tebbs & Taggart, Cowley, Wyo., schedule 1, \$27,130; schedule 2, \$15,823; schedule 3, \$34,694; schedule 4, \$48,860; grand total, \$126,507.

J. E. Hilton, Billings, Mont., schedule 1, \$26,020; schedule 2, \$15,790; schedule 3, \$34,270; schedule 4, \$42,260; grand total, \$118,340.

Lynn Brothers, Lovell, Wyo., schedule 2, \$17,725.

Threet Brothers & Jolly, Lovell, Wyo., schedule 1, \$27,400; schedule 2, \$15,980; schedule 3, \$34,800; schedule 4, \$47,880; grand total, \$126,060.

R. M. Lynn, Lovell, Wyo., schedule 1, \$27,520.

C. A. Welch, Cowley, Wyo., schedule 2, \$16,930.

David Lewis, Cowley, Wyo., schedule 2, \$16,175; schedule 3, \$38,660.

M. O. Mortensen, Cowley, Wyo., schedule 3, \$35,768.75.

San Francisco, Cal., Pipe Line.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for a 4-inch flexible joint submerged pipe line at the U. S. naval training station, San Francisco, Cal.:

Item 1, work complete; 2, alternate specification; 3, for substituting a 6-inch main instead of a 4-inch main; 4, 6-inch pipe line under alternate specification.

Thomas Crowley, San Francisco, Cal., item 1, \$19,913, 80 days; 3, \$26,967.

The Dalles, Ore., Shelving.

The contract for installing metal vault shelving in the U. S. post office at The Dalles, Ore., has been awarded to The H. H. Shults Co., Gowanda, N. Y., at \$380.

Roseburg, Ore., Post Office.

As previously reported, the contract for the construction, complete, of the U. S. post office at Roseburg, Ore., was awarded to Stebbinger Brothers, Portland, Ore., at \$83,745, who will use the following fixtures and material in the prosecution of the work: Plumbing fixtures, John Douglas Co.; radiators, U. S. Radiator Corporation; radiator valves, the Kennedy Valve Co.; air valves for radiators, American Radiator Co.; air valves for steam mains, Jenkins Bros.; cabinet and tablet, Frank Adams Electric Co.; conduit, Youngstown Sheet and Tube Co.; rubber-covered wire, Rose Wire Co.; flush switches, Hart & Hegeman.

McMillan Reservoir Spillways.

Under authority from the Secretary of the Interior the reclamation service has awarded contract to John Mulligan, of El Paso, Texas, for earthwork on the McMillan reservoir spillways, Carlsbad irrigation project, New Mexico. The contract price is \$45,452. The

work involves the excavation of about 151,000 cubic yards of material, and is located about 15 miles northwest of Carlsbad, on the A. T. & S. F. Railway.

Yakima Project, Power and Plumbing Equipment.

The following awards have been made by the reclamation service for furnishing power and plumbing equipment for the Grand View Irrigation district, Yakima project, Washington: Westinghouse Electric and Manufacturing Co., Pittsburgh, Pa., \$5,900, for electrical apparatus.

Pittsburgh Transformer Co., Pittsburgh, Pa., \$1,152, for transformers. Trump Manufacturing Co., Springfield, Ohio, \$3,250, for hydraulic apparatus.

S. Morgan Smith Co., York, Pa., \$10,230, for direct pumping unit.

The Western Pipe and Steel Co., San Francisco, Cal., \$2,713, for riveted steel pipe.

Vulcan Iron Works, Denver, Colo., \$420, for cast iron head gates.

Judson Manufacturing Co., San Francisco, Cal., \$397, for trash racks, etc.

Port Townsend, Wash., Weather Strips.

The following bids were received by the custodian, U. S. post office, Port Townsend, Wash., recently for installing metal weather strips in the above building:

Hendrickson & Co., Seattle, Wash., \$220; 90 days.

Norby & With, Port Townsend, Wash., \$257; 120 days.

Port Townsend, Wash., Roof Repairs.

The following bids were received by the custodian, U. S. post office, Port Townsend, Wash., recently for roof repairs at the above building:

Henrickson & Co., Seattle, Wash., \$3,800.

Norby & With, Port Townsend, Wash., \$4,109.

Denver, Colo., Mailing Cases

The following bids were received by the custodian, U. S. post office, Denver, Colo., for installing 4 plain oak mailing cases in the above building:

Southern Seating and Cabinet Co., Jackson, Tenn., \$192; 50 days.

Maly & Son, Cincinnati, Ohio, \$260; 90 days.

McPhee & McMinnity Co., Denver, Colo., \$180; 30 days; accepted.

The Federal Equipment Co., Carlisle, Pa., \$182; 75 days.

Furnas Office and Bank Furniture Co., Indianapolis, Ind., \$224; 90 days.

Jacob Beitzel & Sons, York, Pa., \$260; 80 days.

Budde & Weis Manufacturing Co., Jackson, Tenn., \$200; 120 days.

H. R. Sadler Furniture Co., Denver, Colo., \$235; time not stated.

The J. P. Paulson Manufacturing Co., Denver, Colo., \$249; 80 days.

San Francisco, Cal., Cases.

The following bids were received by the custodian, U. S. custom house, San Francisco, Cal., recently for steel transfer cases for the above building:

Watson Manufacturing Co., Jamestown, N. Y., \$2,936; accepted.

The Shaw-Walker Co., McKean, Mich., \$1,740.30.

The General Fireproofing Co., Youngstown, Ohio, \$1,983.60.

The Berger Manufacturing Co., San

Francisco, Cal. \$1,176.86 alternate, \$1,600.00.

The Globe-Wernicke Co. Washington, D. C. \$2,139.50.

M. C. West Co., San Francisco, Cal., \$2,750.

Rucker-Pauley Desk Co., San Francisco, Cal. \$3,127.70; alternate, \$4,129.30.

Van Dorn-Turn Works Co., Cleveland, Ohio, \$1,541.20.

Vawman & Eble Manufacturing Co., San Francisco, Cal., \$1,917.75.

Awarded to Watson Manufacturing Co., because it was the lowest bid in accordance with specifications calling for roller slides.

HALLS AND SOCIETY BUILDINGS.

LOS GATOS, SANTA CLARA CO., CAL.—Lodge hall alterations, 2 story, frame, \$11,000. Architect, Warren Skollings, Garden City Bank Bldg., San Jose. Owners, Messrs. Case and Balch. Work will consist of new interior trim, hardwood floors, plumbing, electric electric work, plastering, painting and a steam heating system. Plans complete and figures being taken.

HOSPITALS

SACRAMENTO, CAL.—Hospital ward, 2, 2 story and base, hollow tile, \$76,077. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento County. William C. Keating, Sacramento, presented the lowest figure for this work at \$76,077 and will probably be awarded the contract. A complete list of the bids received will be found under the heading of Sacramento and Northern California in this issue.

HOTELS.

VISALIA, TULARE CO., CAL.—Hotel and stores, 1 story and base, Class C construction, \$100,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owner, J. Sub Johnson. Location, Main and Church streets. Will contain 100 rooms, office, dining room and hotel lobby on the first floor and a large number of single rooms and baths on the upper floors. Plans complete and figures being taken.

VISALIA, TULARE CO., CAL.—Hotel and stores, 5 story and base, brick and steel, \$1,000,000. Architect, Ernest Kump, Rowell Bldg., Fresno. Owner, J. Sub Johnson. The following are the general contractors who are figuring the five story and basement hotel building for J. Sub Johnson: Trewitt & Shields of Fresno; Amweg Construction Co., Ward & Goodwin, Bert T. Owsley, Harvey A. Klyce, McLean & Peterson, Higgins & Palmer, all of San Francisco.

LIBRARIES

MADERA, MADERA CO., CAL.—Library, 1 story and base, brick, \$10,000. Architects, Coates & Travers, Rowell Bldg., Fresno. Owners, City of Madera. The following bids were received for the construction of the proposed Carnegie Library building: James L. Daley, Fresno, \$12,200; Manning Bros., Fresno, \$11,880; J. C. Nohrnberg, \$14,610; Ed Layne, Madera, \$13,743; Trewitt & Shields Co., Fresno, \$13,965. D. Stephenson Bid \$555 for the plumbing

and \$1,340 for the heating. All bids were laid over for consideration.

MUSEUM.

OAKLAND, CAL.—Museum, 5 1 and 2 story and base. Class A construction, \$600,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Oakland. The group will consist of a State building, for which the Legislature will be asked to appropriate \$200,000, an art building, natural history building, commercial museum and ethnological building. Further mention will be made of the work when plans receive the approval of the Oakland Chamber of Commerce.

POWER PLANTS AND WATER SYSTEMS.

CARMICHAEL, SACRAMENTO CO., CAL.—Pumping plant, reinforced concrete. Cost not stated. Engineer, Albert Givan, Forum Bldg., Sacramento. Owners, Carmichael Irrigation District. Bids will be opened on September 25th at 10 a. m. for a reinforced concrete pumping station. Complete details can be had from the engineer.

Contracts Awarded.

FORT BRAGG, MENDOCINO CO., CAL.—Water pipe, wood stave. Cost not stated. Engineer, City Engineer, Fort Bragg. Owners, City of Fort Bragg. Contractors, Pacific Tank and Pipe Co., 5th and Bryant streets, S. F. Contract price not stated.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, S. A. Born Building Co., Lincoln Manor, S. F. Location, Lot B Lincoln Manor. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 3 story and base, frame and concrete, \$15,000. Architect, Louis M. Upton, 111 Ellis street, S. F. Owner, J. J. Tynan. Location, southeast Vallejo and Lyon. Will contain fourteen rooms, several baths and conservatory. Plans complete and figures being taken. Contract for extensive street improvements and garden work awarded to J. Pasquellotti.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owners, Bay View Construction Co. Location, west Belvedere south Cedar. Will contain three rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, H. C. Pfirang, 320 Forest street, Oakland. Location, east Desmond north Coronado. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PAULO ALTO, SANTA CLARA CO., CAL.—Residence, 3 story and base. Class C construction, \$85,000. Architect, Louis C. Mulgardt, Chronicle Bldg., S. F. Owners, Trustees Leland Stanford, Jr., University. Location, Lagunita Hill facing Campus. Will contain the president's residence in one wing and apartments for guests in

the other wing. Plans complete and figures being taken.

SAN MATEO, SAN MATEO CO., CAL.—Residence, 1 and 2 story and base, frame and concrete, \$50,000. Architects, Hudson & Munsell, Stimson Bldg., L. A. Owner, Capt. John Barneson. Location, San Mateo Park. Will contain fourteen rooms, five baths and conservatory. A number of out buildings will also be erected. Plans complete but work is not to be started before spring.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, William F. Neary, 1701 Telegraph avenue, Oakland. Location, west South Court south Pleasant. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story, and base frame, \$2,000. Architect, none. Owner, A. R. Dexter, 820 Athens avenue, Oakland. Location, north Alleen west Shattuck. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

NAPA, NAPA CO., CAL.—Residence, 1 story, frame, \$2,500. Architect, W. S. Rhodes 3372 16th street, S. F. Owner, Mr. Hendericks, Napa. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

LOS GATOS, SANTA CLARA CO., CAL.—Residence, 1 story, frame, \$2,500. Architect, W. S. Rhodes, 3372 16th St., S. F. Owner, N. A. Andreson. Will contain three rooms, large porches and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence alterations, 2, 2 story and base, frame, \$8,500. Architect, Hermann Barth, 12 Geary street, S. F. Owner, W. Tinnings. Location 21 and 23 Presidio avenue. Work will consist of new interior trim, plumbing, plastering, painting and electric work. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, E. A. Janssen, Hearst Bldg., S. F. Location, north Joseph west of Colusa. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Henry Willis, Singleton Hotel, Sacramento. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 1½ story and base, frame, \$2,500 each. Architect, none. Owner, F. Nelson, 2701 Lincoln way, S. F. Location, west 27th avenue south Lincoln. Each house will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owners, Johnson & Johnson, 844 14th street, S. F. Location, east 22nd avenue south Clement. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$6,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Rob-

ert Shuey. Location, Benvenue near Russell. Will contain eight rooms, two baths and sleeping porch. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,900. Architect, W. L. Broderick, 201 Colusa avenue, Berkeley. Owner, C. L. Porter. Location, Thousand Oaks Park. Will contain seven rooms, bath and sleeping porch. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, Edwin C. Graff, Syndicate Bldg., Oakland. Location, west Jean street south Santa Clara. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, J. Lockhart, Sacramento. Location, 1328 V street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOLS

MOUNTAIN VIEW, SANTA CLARA CO., CAL.—School, 1 story, frame, \$6,000. Architect, F. D. Wolfe, Bank of Italy Bldg., San Jose. Owners, Mountain View School District. Will contain two class rooms. Heating by stoves. Plans complete and figures to be called for at once.

MODESTO, STANISLAUS CO., CAL.—School, 1 story and base. Class construction, \$33,000. Architects, Hewitt & De Remer, L. A. Owners, City of Modesto. For the second time the date of opening bids for this work has been postponed. The new date set is October 3rd.

SEATTLE, WASH.—School, 4 story and base, reinforced concrete, \$179,850. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. The lowest bid submitted for this work was received from Scherrer and Carlson, 111 Pine street, at \$179,850. They will probably be awarded the contract.

BERKELEY, ALAMEDA CO., CAL.—Chemistry building, 4 story and base. Class A construction, \$209,456. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. The following contracts have been awarded in connection with the construction of the chemistry building: Excavation, grading and concrete awarded to Clinton Construction Co. for \$65,250. Exterior cement finish awarded to MacGruer & Co. for \$13,331. Roofing and sheet metal work awarded to Forrester Cornice Works for \$4,976. Interior furring, lathing and plastering awarded to Knowles & Mathewson for \$14,776. Carpentry and cabinet work awarded to McLeran & Peterson for \$12,250. Marble and terrazzo awarded to Joseph Musto Sons-Keenan Co. for \$4,755. Plumbing awarded to Scott Co. for \$16,965. Heating and ventilating awarded to Scott Co. for \$14,030. Elevator awarded to Otis Elevator Co. for \$2,090. Electric wiring awarded to Newberry Electric Co. for \$29,980. Acoustic felt awarded to Johns-Manville Co. for \$753.

SAN FRANCISCO—Schools, portable, \$21,420. Architect's name not given. Owners, City and County of San Francisco. The Board of Public Works has requested the Board of Supervisors to

appropriate \$21,420 for twenty portable schools.

FRESNO, FRESNO CO., CAL.—School addition, 1 story, brick. Cost not stated. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, St. John's Parish. Designed for a parochial school and will contain five class rooms and service department. Plans being prepared.

Contracts Awarded.

AVON, CONTRA COSTA CO., CAL.—School, 1 story, frame, \$2,850. Architect's name not given. Owners, Avon School District. Contractor, W. H. Ecker, Martinez. Contract price, \$2,850.

SEWERS, STREET WORK & WATER SYSTEMS

HILLSBOROUGH, SAN MATEO CO., CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, 202 Holbrook Bldg., S. F. Owners, City of Hillsborough. Bids will be opened on September 19th for grading, surfacing and otherwise improving Barriollet avenue from the east limits of the city of Hillsborough to the west line of Brewer Drive.

FRESNO, FRESNO CO., CAL.—Sanitary sewer system, \$332,000. Engineer, City Engineer, Fresno. Owners, City of Fresno. The Coast Construction Co., 1419 East 29th street, L. A., presented the lowest figure for the work at approximately \$332,000 and will probably be awarded the contract. The next lowest bid was received from a combination of Bent Bros of Los Angeles and the Tibbitts Pacific Co. of San Francisco at \$346,000, while James Kennedy of Los Angeles presented the third lowest figure at \$352,000.

SALINAS, MONTEREY CO., CAL.—Highway construction, etc. Cost not stated. Engineer, County Surveyor, Salinas. Owners, Monterey County. The County Supervisors have ordered bids received up to September 15th at 1:30 p. m. for the improvement of the Old Toll road at the Elkhorn Slough Crossing near Hudson Landing, in the Pajaro Road District.

Bids for constructing bank protection in the Salinas River above the King City bridge, in the King City Road District, were also ordered received up to September 15th at 1:30 p. m.

Plans presented by County Surveyor Howard F. Cozzens for repairing the Gonzales bridge across the Salinas River from Gonzales were approved and bids ordered received up to September 15th at 1:30 p. m.

The same action was also taken on the plans for constructing bank protection on the Salinas River above the Hilltown bridge in the Aisal Road District.

BURLINGAME, SAN MATEO CO., CAL.—Street paving, \$4,000. Engineer City Engineer, Holbrook Bldg., S. F. Owners, City of Burlingame. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price, \$4,000.

SEATTLE, WASH.—Highway construction, \$72,600. Engineer, County Surveyor, Seattle. Owners, King County. Contractors, Sparger Concrete Co., Colman Bldg., Seattle. Contract price, \$72,600.

RIVERSIDE, RIVERSIDE CO., CAL.—Highway construction, \$10,136.20. Engineer, County Surveyor, Riverside. Owners, Riverside County. Contractors,

Honors Construction Co., Higgins Bldg., L. A. Contract price, \$10,136.20.

BERKELEY, ALAMEDA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on September 19th at 10 a. m. for street improvements authorized under the following resolution: That portions of Fulton street between Allison Way and Dwight Way be graded; construct concrete curbs and gutters and the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete base 5 inches thick.

MONTEREY, MONTEREY CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Monterey. Owners, City of Monterey. No bids were received by the City Council at their last meeting for the improvement of Pacific street and Fremont street, and new bids have been ordered received up to September 19th at 7 p. m. Plans may be had from the City Clerk.

MARTINEZ, CONTRA COSTA CO., CAL.—Fire alarm system. Cost not stated. Engineer, City Engineer, Martinez. Owners, City of Martinez. The City Trustees at their last meeting postponed action of installing the Gamewell electric fire alarm system in this city. The matter will be taken up at the next meeting scheduled for September 18th.

MARTINEZ, CONTRA COSTA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Martinez. Owners, City of Martinez. Owing to an error in the proceedings, all bids for the grading of Talbart and High streets were rejected and the proceedings will have to be started anew. The Trustees will call for new bids within the next few weeks.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on September 18th at 8 p. m. for street improvements authorized under the following resolution: That 15th street, between Ohio avenue and Potrero avenue, be graded, curbed, guttered and sidewalked with cement concrete, and paved with Richmond standard macadam, consisting of broken stone and of asphaltum having a penetration of from 125 degrees to 140 degrees, District of Columbia Standard.

REDDING, SHASTA CO., CAL.—Highway improvements. Cost not stated. Engineer, County Surveyor, Redding. Owners, Shasta County. All bids for grading the 6,160 feet of the Ono road near the Clear Creek bridge were rejected by the Supervisors. They will be opened again on October 1st. It was found that the survey made by County Surveyor C. R. Weigel did not conform with that made six years ago by former County Surveyor Robert J. Reading. As the call for bids stated that the Reading survey would be followed, it was found necessary to re-advertise. The bidders were Jesse Sutton of Anderson and W. J. Hammans of Ono.

STOCKTON, SAN JOAQUIN CO., CAL.—Highway improvements. Cost as follows. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. The following bids were received by the San Joaquin County Supervisors at their last meeting for various road improvements throughout the county. Lane Road—Cyrus Moreing & Sons,

rock, \$19,246.24, gravel, \$15,850.10, Gaskill & Foley, rock, \$23,635.14; gravel, \$18,865.41. Miller Road—Moreing & Sons, rock, \$17,792.35, Angier and Norton Road S. W. McHenry, \$2,428.30; C. Y. Moreing & Sons, \$2,716; Gaskill & Foley, \$2,658.65. McKinley Avenue Sewer—W. P. Edwards, \$1,928; Chambers & Healy, \$1,823.10; P. C. McIntire, \$2,125. It is probable that the contract will be awarded the lowest bidder in each case.

MARYSVILLE, YUBA CO., CAL.—Culverts, reinforced concrete. Cost as follows. Engineer, County Surveyor, Marysville, Owners, Yuba County. Bids for the construction of a culvert on the La Port stage road have been rejected by the County Supervisors as being too high. Two bids were received as follows: P. D. Groh, \$3,806; Jenkins & Wells, \$3,838. The County Surveyor was directed to investigate if the work could not be done cheaper by the county.

FOWLER, FRESNO CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Fowler. Owners, City of Fowler. The Board of City Trustees has directed the Clerk to advertise for bids for the paving of H street as the route of the State Highway through Fowler. Bids will be received up to September 15th. Plans may be had from the City Clerk.

FRESNO, FRESNO CO., CAL.—Electroliner system. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Plans and specifications for the electroliner system on South I street have been approved by the Board of City Trustees and a call for bids will probably be issued at the next meeting.

OAKLAND, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on September 21st for street improvements authorized under the following resolution: That portions of College avenue, from the northwest line of Broadway to the southern boundary line of the city of Berkeley, be curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt; fourteen brick manholes, a brick catch basin, a vitrified pipe sewer, having an internal diameter of 21 inches, and a vitrified pipe conduit, having an internal diameter of 14 inches.

REDWOOD CITY, SAN MATEO CO., CAL.—Culverts, reinforced concrete. Cost not stated. Engineer, City Engineer, Redwood City. Owners, Redwood City. City Engineer Finlay has been instructed by the City Council to prepare plans and specifications for storm water culverts across the county road. Seven of these culverts are to be installed: Two at Hopkins avenue, two at Rogers street, two at Brewster avenue and one at Jackson street. City Clerk Price was directed to advertise for bids for the construction of these culverts without delay.

SAN RAFAEL, MARIN CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Bids will be opened on September 25th for the following work, including the furnishing of the necessary labor and materials therefor. For the filling and grading of the San Rafael and San Quentin Toll Road, from the easterly

line of Irwin street to the easterly corporate limits.

FAIRFIELD, SOLANO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Fairfield. Owners, Solano County. At the last meeting of the County Supervisors specifications for the graveling of a part of Road No. 21, No. 477, Vacaville Township, were approved, and the Clerk directed to advertise for bids to be opened on October 2nd at 11 o'clock a. m. Plans and specifications for the construction of a macadamized road through the town of Cordelia to connect the gap in the State Highway at that point were ordered approved, and the Clerk directed to advertise for bids to be opened on October 2nd at 11 o'clock a. m.

Contracts Awarded.

CHINO, SAN BERNARDINO CO., CAL.—Sewer system, concrete pipe, \$30,953.40. Engineer, City Engineer, Chino. Owners, City of Chino. Contractors, L. Fleming & Son, 105 North Park street, Pomona. Contract price, \$30,953.40.

GLENDALE, LOS ANGELES CO., CAL.—Street improvement, \$57,800. Engineer, City Engineer, Glendale. Owners, City of Glendale. Contractors, Rogers Bros., Hibernian Bldg., L. A. Contract price, \$57,800.

GLENDALE, LOS ANGELES CO., CAL.—Street improvement, \$20,000. Engineer, City Engineer, Glendale. Owners, City of Glendale. Contractor, E. Schilling, 660 West Jefferson street, L. A. Contract price, \$20,000.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That 17th street, from C street to D street be improved by constructing concrete curb, concrete gutter; filling in behind the curbs with earth; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; reconstructing one concrete manhole; filling in two old catch basins with earth; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between L and M sts., from 4th street to 5th street, be improved by constructing 493 linear feet of concrete curb wall; constructing one concrete catch basin; reconstructing one concrete manhole; placing six linear feet of 8-inch, vitrified, ironstone sewer pipe drain; grading the alley and constructing thereon an asphaltic pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet wearing surface 1½ inches thick. Awarded to the McGillivray Co. STOCKTON, SAN JOAQUIN CO., CAL.—Iron gates, \$1,090.45. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors, Stockton Tool Works, Stockton. Contract price, \$1,090.45.

BAKERSFIELD, KERN CO., CAL.—Highway construction. Cost as follows. Engineer, County Surveyor, Bakersfield. Owners, Kern County. The

following contracts have been awarded for highway construction: John D. Marsh, 154 Wilson lock, L. A., was awarded the contract for a stretch of road 8½ miles long in Division No. 12, known as the Randsburg-Johannesburg Stringer District, on his bid of \$43,483. Marsh was also awarded the contract for a stretch 8.4-10 miles long on the Bakersfield-McKittrick highway at \$31,317.50.

FRESNO, FRESNO CO., CAL.—Street and sewer work. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. The City Trustees have awarded the contract for the macadamizing of the alley in Block 127 to Thompson Bros., 1514 H street, Fresno, they being the lowest bidders. The same firm was also awarded the contract for macadamizing South Angus street, E. W. Redman, 164 Silva St., Fresno, was awarded the contract by the Trustees for the construction of a sewer in Block 11 of the Paige Tract.

BERKELEY, ALAMIDA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contractors, Hutchinson Co., 13th and Franklin streets, Oakland. Contract price not stated.

FRESNO, FRESNO CO., CAL.—Sewer construction, \$332,041. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, Coast Construction Co., 1419 East 29th street, L. A. Contract price, \$332,041.

SAN RAFAEL, MARIN CO., CAL.—Highway improvement, \$4,900. Engineer, County Surveyor, San Rafael. Owners, Marin County. Contractor, S. T. Brownlee, County Road, Kentfield. Contract price, \$4,900.

STORES AND OFFICES

MADERA, MADERA CO., CAL.—Stores and offices, 3 story and base, reinforced concrete, \$25,000. Architect's name not given. Owner, Hermann L. Stein, Madera. Location, Yosemite avenue and C street, covering an area of 50 by 175 feet. Will contain five stores, offices and hotel rooms. Plans being prepared.

FRESNO, FRESNO CO., CAL.—Store, 1 story and base, brick, \$2,500. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owner, H. C. Dunlavy. Location, First and Tulare streets. Will contain one large store. Plans complete and figures to be called for at once.

ENTERPRISE, ORE.—Stores, 2 story and base, brick, \$40,000. Architects, Tourtelotte & Hummel, Rothchild Bldg., Portland. Owners, E. M. & M. Co. Will cover an area of 100 by 100 feet. Plans complete and figures being taken.

SAN FRANCISCO—Stores, 2 story and base. Class A construction, \$90,000. Architect, none. Owner, Abraham Ruef. Location, 24th and Mission streets, covering an area of 125 by 117½ feet. Work will be carried on under the direction of R. W. Moller, Call-Post Bldg.

OAKLAND, CAL.—Stores and lofts alterations, 3 story and base, brick. Cost not stated. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, F. Diehl. Location, Second and Franklin streets. Work will consist of new store fronts, interior trim, plastering, plumbing and painting. Plans complete and figures being taken.

OAKLAND, CAL.—Stores, 1, 1 story and 1, 2 story and base, brick. Cost not stated. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Fruit and Produce Realty Co. Location, Second and Franklin streets. Plans complete and figures being taken.

THEATRES

SOUTH PASADENA, LOS ANGELES CO., CAL.—Theatre, 2 story and base, brick, \$25,000. Architect, E. J. Borgmeyer, Stimson Bldg., L. A. Owner, Edward N. Jarecki. Location, Fair Oaks avenue south Winegar, covering an area of 50 by 110 feet. Plans complete and work to be done by Day Labor.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

Office Constructing Quartermaster, Fort Mason, Cal.—Sealed proposals, in triplicate, for constructing improvements to Water Supply System at Presidio of San Francisco, Cal., will be received here until **11:00 a. m., September 18, 1936**, and then opened. Further information on application.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed Proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until **2 o'clock p. m., September 20, 1936**, for the construction of canals and structures on the Flathead project, Montana, involving about 125,000 cubic yards of excavation, 495 cubic yards of reinforced concrete, 1,000 square yards of paving, 10,100 square feet of canal lining, manufacturing and laying 3 miles of concrete pipe, laying 210 cubic yards of dry rubble wall and placing 70,000 pounds of structural and reinforcing steel. The work is located from 3 to 10 miles west of Ronan, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or St. Ignatius, Mont. MORRIS BIEN, acting director.

PROPOSALS FOR VALVES.

VALVES—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until **2 p. m., September 20, 1936**, for furnishing needle valves for the north tunnel of the Roosevelt Dam, Salt River project, Arizona. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo. A. F. Davis, chief engineer.

PROPOSALS FOR CEMENT, ETC.

CEMENT, STONE AND SAND—U. S. Engineer Office, 723 Central Building, Los Angeles, Cal.—Sealed proposals will be received at this office until **11 a. m., September 15, 1936**, for furnishing American Portland cement, sand and stone at San Pedro, Cal. Information on application.

PROPOSALS FOR CANAL WORK.

CANAL WORK, ETC.—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Malta, Mont., until **2 o'clock p. m., September 27, 1936**, for the construction of structures on the Milk River project, Montana, involving about 10,000 cubic yards of excavation, 600 cubic yards of reinforced concrete, 1,300 square yards of paving, the placing of 40,000 pounds of reinforcement steel and the placing in wooden structures of about 134,000 feet, b. m. of lumber. The work is located in the vicinity of

Saco and Beaverton, Mont., on the Great Northern Railway. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Malta, Mont. A. F. DAVIS, chief engineer.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Fort Laramie, Wyo., until **2 o'clock p. m., September 25, 1936**, for earthwork and structures on about 19 miles of main canal, Fort Laramie unit, North Platt project, Nebraska-Wyoming, involving the excavation of approximately 1,650,000 cubic yards of material and the placing of approximately 1,450 cubic yards of concrete. This work is situated near the Bridgmont-Carmen line of the Chicago, Burlington and Quincy Railway in the vicinity of Torrington and Lingle, Wyo. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Fort Laramie, Wyo. A. P. DAVIS, chief engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1075—Proposals for Garbage Incinerator Plant, Galvanized Sheet Steel, Hand Pumps, Lathe Chuck, Power Drill, Power Feed Jointer, Lathe, Bandsaw Machine, Hub Foring Machine, Bushings, Flange, Meat Broilers, Library Paste, Pencils and Crescoted Piles.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m., September 21, 1936**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information pertaining to this circular (No. 1075) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

FAST ELECTRIC TRAINS TO Sacramento

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point. Carries Observation Car. Through train to Chico, Marysville, Colusa Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2155 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 3711

CHICAGO BRIDGE COMPANY OPENS OFFICES IN FLORIDA.

The Chicago Bridge & Iron Works whose local offices are in the Monadnock Bldg., San Francisco, have opened an office in Jacksonville, Florida, in the Florida Life Building, in charge of Elwood G. Ladd. This office will handle the company's sales in the States of Georgia, Florida and Alabama.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE

ROSS E. PIERCE - Manager
905 SIXTH STREET

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry,
Phone Sutter 2339.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO.

APARTMENT HOUSE—1 story and base, Class C construction, \$85,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners, Grand Investment Co. Location, southeast Hyde and O'Farrell. Will contain a number of two, three and four room apartments. Plans complete and segregated figures being taken.

APARTMENT HOUSE—3 story and base, frame, \$17,900. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner's name withheld. Location, northeast 8th avenue and California street. Will contain six four-room apartments, basement garage and social hall and hilliard room. Plans complete and figures being taken.

APARTMENT HOUSE ALTERATIONS—3 story, frame, \$3,500. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. Location, Mission District. Work will include new plastering, painting, electric work and interior and exterior carpentry. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$3,500. San Francisco. Architect, none. Owner, S. A. Bori Building Co., Lincoln Manor, S. F. Location, Lot E, Lincoln Manor. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—3 story and base, frame and concrete, \$45,000. San Francisco. Architect, Louis H. Upton, 111 Ellis street, S. F. Owner, J. J. Tynan. Location, southeast Vallejo and Lyon. Will contain fourteen rooms, several baths and conservatory. Plans complete and figures being taken. Contract for extensive street improvements and garden work awarded to J. Pasqualetti.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, A. T. Morris, 561 11th avenue, S. F. Location, west 9th avenue north Cabrillo. Will contain two flats of five and six rooms with basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE ALTERATION—2 story, frame, \$3,000. San Francisco. Architect, W. S. Rhodes, 3372 16th street, S. F. Owner, Mrs. Toner. Location, 1193 Dolores street. Work will include interior and exterior plastering, new interior trim, painting and electric work. Work will be done by Day Labor.

APARTMENT HOUSE AND STORE—1 story. Class C, \$15,000. San Francisco. Architect, Frank S. Holland, Call-Post Bldg., S. F. Owners, Estate of Ruben H. Lloyd. Location, north Sutter south Mason. Will contain store in front portion of building and living apartments in the rear. Plans complete and figures being taken.

APARTMENT HOUSE ALTERATIONS—Frame, \$7,500. San Francisco.

Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, George Goepfert. Location, north Green near Fillmore. Work will consist of altering three ten room flats into apartments of five room each. Plans being prepared.

APARTMENT HOUSE ALTERATION—2 story, frame, \$4,000. San Francisco. Architect, none. Owner, A. Petry, 336 Pierce street, S. F. Location, northeast Page and Scott. Work will consist of altering three flats into six modern apartments. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, J. W. McCarthy. Location, Balboa and 15th avenue. Will contain two modern flats with basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE ALTERATIONS—2, 2 story and base, frame, \$8,500. San Francisco. Architect, Hermann Barth, 12 Geary street, S. F. Owner, W. Tinnings. Location 21 and 23 Presidio avenue. Work will consist of new interior trim, plumbing, plastering, painting and electric work. Plans complete and work to be done by Day Labor.

STORES—2 story and base, Class A construction, \$90,000. San Francisco. Architect, none. Owner, Abraham Ruef. Location, 21th and Mission streets, covering an area of 125 by 117 1/2 feet. Work will be carried on under the direction of R. W. Moller, Call-Post Bldg.

FLATS—2, 2 story and base, frame, \$7,500 each. San Francisco. Architects, Antonovich & Harris, Monadnock Bldg., S. F. Owner, York Realty Co., 75 Sutter street, S. F. Location, east Arguello Boulevard south California. Each building will contain two flats of five and six rooms. Basement garage. Plans complete and figures being taken.

FLATS—2, 2 story and base, frame, \$5,000 each. San Francisco. Architect, none. Owner, J. Johnson, 150 17th avenue, S. F. Location, east 17th avenue, north Clement. Each building will contain two flats of five and six rooms with basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 1/2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, P. Nelson, 2701 Lincoln Way, S. F. Location, west 27th avenue south of Lincoln. Each house will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owners, Johnson & Johnson, 844 14th street, S. F. Location, east 22nd avenue south Clement. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SCHOOLS—Portable, \$21,420. San Francisco. Architect's name not given. Owners, City and County of San Francisco. The Board of Public Works has requested the Board of Supervisors to

appropriate \$21,420 for twenty portable schools.

City Bids Opened.

Bids were opened by the San Francisco Board of Public Works at the regular Wednesday afternoon session for furnishing electric transformers for the Hetch-Hetchy Project and also for the finish hardware for the Paul Revere School. Following is a complete list of the bids received:

Electric Transformers.			
Westinghouse			
Elec. Co.	\$8,175	\$7,700	\$.....
Fair banks			
Morse Co.	9,970		.....
General Elec.			
Co.		9,289.62	8889.62
Hardware, Paul Revere School.			
Joost Bros.			\$785
Bennett Bros.			790

Building Contracts Awarded

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2588	Mosbacher	Malloch	250
2589	Nolan	Westerland	5700
2590	City Inv.	Jensen	11000
2591	Freeborn Est.	Nimmo	1600
2592	Carter	McDonald	50000
2593	Palace Hotel	Taylor	1000
2594	Bennett	Hannah	2900
2595	Kahn	Macdonald	8500
2596	McGrath	Delhei	2500
2597	Patrick	Patrick	1500
2598	Nelson	De Maris	1287
2599	Peninon	Healing	1550
2600	Cuneo	Demartini	10000
2601	Quinn	Barley	1800
2602	Sunshine	Collman	1700
2603	Gegan	Carlson	2500
2604	Tynan	Pasqualetti	4721
2605	Tynan	Pasqualetti	1000
2606	Stansburger	Black	400
2607	Bothin	Bothin	4000
2608	Clancy	Clancy	4000
2609	Ham	Ham	10000
2610	Connell	Bailey	1800
2611	Connell	Bailey	1800
2612	Warren	Diestel	1300
2613	Hawthorn	Miller	950
2614	Calmel	Debrue	900
2615	Ousley	Ousley	500
2616	Roman Cath.	Schrader	300
2617	Sulzer	Klahn	1000
2618	Shaffer	Wallen	500
2619	Reutcher	Reutcher	400
2620	Condon	Little	6826
2621	Fenton	Brandt	4400
2622	Hooper	Fuller	3050
2623	Bruck	Bruck	900
2624	Curtis	Terrill	1000
2625	Oyster Leaf	Horstmeier	500
2626	Mues	Mues	1000
2627	Cheffall	Fletcher	1450
2628	Terranova	Terranova	1000
2629	Axt	Newbert	500
2630	Noble	Leathr	500
2631	Porn	Born	300
2632	Gordon	Reedy	1000
2633	Whipple	Johanson	12561
2634	Otis	Baker	2848
2635	R. C. Archbishop	Reedy	27705
2636	Preston	Denke	1450
2637	Morris	Morris	3900
2638	Hirsch	Moller	1000
2639	Kenney	Smith	1000
2640	Sachs Est.	Reedy	600
2641	Pacific Mill	Sandberg	6500
2642	O'Day	Sandberg	500
2643	Garbarino	Maister	500
2644	Reynolds	Shannon	1750
2645	Connel	Palley	4500
2646	Brandenstein	Bateman	8766

ALTERATIONS

(2588) NOS. 731-733 FELL South side. Alterations and additions to a two-

story and basement frame building (flats.)
Owner.....Jennie Mosbacher and Mrs. Minnie Spillane, Premises.
Architect....Heiman & Schwartz, Nevada Bank Bldg., S. F.
Contractor...J. S. Malloch, 110 Jessie, San Francisco.

Filed Sept. 1, '16. Dated Aug. 30, '16.
New partitions, etc.\$710
White coated 710
Completed and accepted 710
Usual 35 days 720

TOTAL COST, \$2850

Bond, \$1425. Sureties, Guardian Casualty and Guaranty Co. Forfeit, none Limit, 36 days. Plans and specifications filed.

EXCAVATING, ETC.

(2589) S EDDY 37-6 E Hyde E 25xS 37-6. Excavating, including digging trenches, structural concrete work, cribbing, reinforcing steel, concrete work and finish cement, etc., for four story and basement reinforced concrete apartments.

Owner.....No name given.
Architect....Rousseau & Rousseau, 110 Sutter, S. F.

Gen. Contractor..William Little, 753 8th avenue, S. F.

Subcontractor..J. V. Westerlund, 3159 Polson, S. F.

Filed Sept. 1, '16. Dated Aug. 30, '16.
Excavated, foundation installed and concrete poured up to and including 1st story\$1000
Concrete poured including 3rd story 1000

Structural concrete work completed 2275
Usual 35 days 1000

All finish cement work finished 425

TOTAL COST, \$5700

Bond, \$2850. Sureties, N. P. Anderson and R. Ringrose. Forfeit, \$9. Limit, as soon as possible. Plans and specifications filed.

Note: The owner is Margaret Nolan.

REMODELING

(2590) NW STEVENSON AND THIRD. Remodel store fronts, install stairways, overhaul plumbing, electric work, etc., and erect one mezzanine floor in corner store.

Owner.....City Investment Co., First National Bank Bldg., S. F.
Architect....J. R. Miller, 213 Lick Bldg., San Francisco.

Contractor...G. P. W. Jensen, 220 Market, S. F.

COST, \$11,000

REPAIRS

(2591) NOS 200 TO 210 CHURCH. General repairs for stores.

Owner.....Friedman Estate, 839 Mills Bldg., S. F.

Architect....None.

Contractor...Geo. Nimmo, 634 Clay, S. F.

COSP, \$1600

RESIDENCE

(2592) LOT 21, SEA CLIFF. Two-story and basement frame residence.

Owner.....C. J. Carter, San Francisco.
Architect....Kenneth McDonald, Sr., 522 Call Bldg., S. F.

Contractor...Graeme McDonald & Co., 522 Call Bldg., S. F.

COST, \$5000

ALTERATIONS

(2593) MARKET, ANNIE AND NEW Montgomery streets. Rearrange club

rooms, fireproofing service room, install elevator to kitchen.

Owner.....Palace Hotel Co., Premises.

Architect....Geo. W. Kelham, Sharon Bldg., S. F.

Contractor...Taylor & Goericke, Postal Telegraph Bldg., S. F.

COST, \$10,000

ALTERATIONS

(2594) NE CHERRY AND WASHINGTON. Alterations and changes for frame residence and private garage.

Owner.....Capt. J. H. Bennett, Prem.

Architect....T. Paterson Ross, 310 California, S. F.

Contractor..J. S. Hannah, Williams Bldg., S. F.

COST, \$2900

RESIDENCE

(2595) S SEA CLIFF 140 E 25th avenue. Two-story and basement frame residence.

Owner.....Felix Kahn, 907 Rialto Bldg., S. F.

Architect....Ed Musson-Sharpe, 907 Rialto Bldg., S. F.

Contractor..Macdonald & Kahn, Rialto Bldg., S. F.

COSP, \$8500

DWELLING

(2596) SE LARKIN AND VALLEJO. Two-story and basement frame dwlg.

Owner.....Thos. McGrath, Premises.

Architect....Smith & Stewart, Marston Bldg., S. F.

Contractor..L. J. Deibel, 1554 Leavenworth, S. F.

COST, \$2500

SHED

(2597) NE FAIRFAX AND QUINT. One-story frame shed.

Owner.....A. B. Patrick & Co., 1700 Fairfax avenue, S. F.

Architect....A. W. Cornelius, 625 Market, S. F.

Day's work. COST, \$1500

ALTERATIONS

(2598) N TWENTIETH 50 W Carolina. General alterations for dwelling.

Owner.....John Nelson, 747 Dehoro, San Francisco.

Architect....None.

Contractor..W. F. De Marais.

COST, \$1287

GARAGE

(2499) BLK BDED CALIFORNIA. Sacramento, Walnut and Laurel (center of). One-story frame garage.

Owner.....A. Peninon, 3407 Sacramento, S. F.

Architect....None.

Contractor...Geo. Healing, 110 Jessie, San Francisco.

COST, \$1550

ROOMING HOUSE

(2600) E MISSION 40 S Virginia. Three-story and basement frame rooming house and saloon.

Owner.....J. Cuneo and P. Esola, 3454 Mission, S. F.

Architect....None.

Contractor..F. Demartini & L. Segale, 274 29th, S. F.

COSP, \$10,000

DWELLING

(2601) N MAYNARD 175 W Congdon. One and one-half story and basement frame dwelling.

Owner.....James Quintas, 430 Vallejo, San Francisco.

Architect....None.

Contractor...Wm. H. Grahn, 2840 Bryant, S. F.

COST, \$2000

ADDITION

(2602) N CLAY 200 E Powell. One-story brick addition for school.

Owner.....True Sunshine Mission

Architect....Lewis P. Hobart, Crocker Bldg., S. F.

Contractor...Collman & Duncan, Sharon Bldg., S. F.

COST, \$1700

DWELLING

(2603) W MISSISSIPPI 125 S Mariposa. One-story and attic frame dwelling.

Owner.....Thomas Gegan.

Architect....None.

Contractor..Elmer Carlson, 269 Prospect avenue, S. F.

Filed Sept. 2, '16. Dated Sept. 1, '16.

Frame up\$625

Ready for finish 625

Completed 625

Usual 35 days 625

TOTAL COST, \$2500

Bond, \$1250. Sureties, J. C Ward and Theo Binner. Forfeit, none. Limit, 90 days. Plans and specifications filed.

EXCAVATING, ETC

(2604) LYON AND VALLEJO STS. Excavating, grading, concrete work, sidewalk, plumbing, sewer work, street work, electric work, etc., consisting of retaining walls, balustrades, and steps for residence.

Owner.....J. J. Tynan, 260 California, San Francisco.

Architect....Louis M. Upton, 111 Ellis, San Francisco.

Contractor..J. Pasqualetti, Humboldt Bank Bldg Bldg., S. F.

Filed Sept. 2, '16. Dated Sept. 1, '16.

On 1st of each month75%

Usual 35 days25%

TOTAL COST, \$4721

Bond, \$2400. Sureties, Massachusetts Bonding and Insurance Co. Forfeit, none. Limit, Dec. 5, 1916. Plans and specifications filed.

EXCAVATING AND GRADING

(2605) S VALLEJO 50-0% E LYON S 137-6 W 55-0% N 137-0% E 50-0%.

Excavating and grading.

Owner.....J. J. Tynan, 260 California, San Francisco.

Architect....Louis M. Upton, 111 Ellis, San Francisco.

Contractor..J. Pasqualetti, Humboldt Bank Bldg Bldg., S. F.

Filed Sept. 2, '16. Dated Sept. 1, '16.

Completed and accepted\$750

Usual 35 days 250

TOTAL COST, \$1000

Bond, \$500. Sureties, Massachusetts Bonding and Insurance Co. Forfeit, \$10. Bonus, \$10. Limit on or before Sept. 19, 1916. Plans and specifications filed.

FENCE

(2606) NO. 212 JACKSON. Erect lattice fence.

Owner.....I. Stansburger, Premises.

Architect....None.

Contractor...Robt. G. Black, 914 Buena Vista Ave., Alameda.

COST, \$400

REPAIRS

(2607) SW TEHAMA AND EIGHTH.

Repair fire damage.
Owner.....Bothin Real Estate Co., 604 Mission, San Francisco.
Architect...John Ettler, 604 Mission, San Francisco.
Day's work. COST, \$4000

FRAME FLATS
(2608) E EIGHTH AVE 75 S Lincoln Way. Two-story and basement frame (2) flats.
Owner.....D. J. Clancy, 2884 Folsom, San Francisco.
Architect...None.
Day's work. COST, \$4000

FRAME TENEMENTS
(2609) W PALM AVE 262-8 S Euclid Ave. Two-story and basement frame (4) tenements.
Owner.....L. B. Ham, 274 25th Ave., San Francisco.
Architect...None.
Day's work. COST, \$10,000

FRAME DWELLING
(2610) SW MEDA 215 SE Delano. One and one-half-story and basement frame dwelling.
Owner.....T. C. Connell, 815 54th St., Oakland.
Architect...None.
Contractor...Bailey & Connell, 90 Falcon Ave., San Francisco.
COST, \$1800

FRAME DWELLING
(2611) SW MEDA 240 SE Delano. One and one-half-story and basement frame dwelling.
Owner.....T. C. Connell, 815 54th St., Oakland.
Architect...None.
Contractor...Bailey & Connell, 90 Falcon Ave., San Francisco.
COST, \$1800

ADDITION
(2612) NO. 864 TREAT AVE. Add to residence.
Owner.....H. Warren, Premises.
Architect...None.
Contractor...John Diestel, 2351 21st Ave., San Francisco.
COST, \$1300

ALTERATIONS
(2613) N CALIFORNIA 82 W 27th Ave. Raise and repair front of dwelling.
Owner.....L. Hawthorn, NW 27th Ave and California, S. F.
Architect...None.
Contractor...W. A. Miller, 2503 Clement San Francisco.
COST, \$950

FRAME DWELLING
(2614) N QUESADA 75 E Selby. One-story and basement frame dwelling.
Owner.....Albert Carmel, 1983 Quesada, San Francisco.
Architect...None.
Contractor...A. Dehrieu, 1733 Oakdale Ave., San Francisco.
COST, \$900

ALTERATIONS
(2615) NO. 567 SANCHEZ. Alter for garage.
Owner.....Mrs. Geo. W. Ousley, Prem.
Architect...None.
Contractor...Geo. W. Ousley, Premises.
COST, \$500

ALTERATIONS
(2616) NE COLUMBUS & VALLEJO. Remove and replace columns.

Owner.....Roman Catholic Archbishop of S. F., 1100 Franklin, San Francisco.
Architect...Chas. I. Devlin, Pacific Bldg., San Francisco.
Contractor...Schrader Iron Works, 1247 Harrison, San Francisco.
COST, \$900

ALTERATIONS
(2617) SE CHURCH & TWENTY-NINTH. Change flats.
Owner.....J. Sulger.
Architect...A. Klahn, 27 Chenery, S. F.
Contractor...A. Klahn & Son, 27 Chenery San Francisco.
COST, \$1000

ALTERATIONS
(2618) E MISSISSIPPI 75 S 19th. Move and underpin cottage.
Owner.....J. C. Shafer.
Architect...None.
Contractor...A. M. Wallen, 251 Kearny, San Francisco.
COST, \$500

ADDITION
(2619) NO. 1767 FIFTEENTH. Add to blacksmith shop.
Owner.....Reutschler Bros., Premises.
Architect...None.
Contractor...F. Fetter, 301 Guerrero, San Francisco.
COST, \$400

FRAME FLATS
(2620) E FIFTEENTH AVE 90 S Anza S 30xE 102. All work for two-story and basement frame (2) flats.
Owner.....M. D. and Catherine L. Condon.
Architect...Koenig & Christiansen, 914 Humboldt Bank Bldg., S. F.
Contractor...John Little, 1371 5th Ave., San Francisco.

Filed Sept. 5, '16. Dated Sept. 5, '16.
Rough frame up.....\$1706
1st coat plaster on.....1706
Completed and accepted.....1706
Usual 35 days.....1708
TOTAL COST, \$6826
Bond, none. Limit, 100 days. Forfeited, none. Plans and specifications filed.

FRAME RESIDENCE
(2621) W ELEVENTH AVE 150 S Anza S 25xW 120. All work for two-story and basement frame residence.
Owner.....Frank L. Fenton, Mills Bldg., San Francisco.
Architect...Sidney B. and Noble Newsum, Nevada Bank Bldg., San Francisco.
Contractor...Brandt & Stevens, Hearst Bldg., San Francisco.

Filed Sept. 5, '16. Dated Sept. 2, '16.
Frame up and roof on.....\$1100
Brown coated.....1100
Completed and accepted.....1100
Usual 35 days.....1106
TOTAL COST, \$4400
Bond, \$2200. Sureties, N. Capurro and P. B. Macdonald. Limit 90 days. Forfeited, \$5. Plans and specifications filed.

(2622) W BATTERY 45-10 N Pine N 140-2 W 137-6 S 140-2 E 137-6. Glazing for six-story reinforced concrete stores and lofts.
Owner.....John A. Hooper.
Architect...Kenneth Macdonald Jr., Holbrook Bldg., S. F.
Contractor...W. P. Fuller & Co., Beale and Mission, San Francisco.
Filed Sept. 5, '16. Dated Aug. 29, '16.
Payments not given.....

TOTAL COST, \$3050
Bond, limit, forfeit, none. Plans and specifications, none.

ALTERATIONS
(2623) NO. 745 PINE. New doors and erect partitions, etc.
Owner.....Leo Bruck, Masonic Temple San Francisco.
Architect...None.
Day's work. COST, \$900

BRICK GARAGE
(2624) E ADA COURT 70 N O'Farrell. One-story brick private garage.
Owner.....P. B. Curtis, 656 O'Farrell, San Francisco.
Architect...Foulkes & Hildebrand, Crocker Bldg., S.F.
Contractor...C. C. Terrill, 110 Jessie, San Francisco.
COST, \$1000

ALTERATIONS
(2625) NOS. 51-61 EDDY. Alter for restaurant.
Owner.....New Oyster Loaf & Grill Company.
Architect...None.
Contractor...Wm. Horstmeyer Co., 43 Eureka, San Francisco.
COST, \$500

ALTERATIONS
(2626) NOS. 3122-24 FULTON. Alter store into flat.
Owner.....John F. Mues, 44 Palou Ave., San Francisco.
Architect...None.
Day's work. COST, \$1000

REPAIRS
(2627) NOS. 53-59 WASHINGTON. Repairs for salesroom.
Owner.....B. Gheffali-Brown & Co., Premises.
Architect...None.
Contractor...Frichette Bros., 48 Washington, San Francisco.
COST, \$700

FRAME DWELLING
(2628) W MADRID 275 N Italy. One-story and basement frame dwelling.
Owner.....Anthony Terranova, 433 London, San Francisco.
Architect...None.
Day's work. COST, \$1600

ALTERATIONS
(2629) NO. 323 TWENTY-NINTH. Raise and alter for garage.
Owner.....Mrs. Axt, Premises.
Architect...None.
Contractor...F. W. Newbert & Co., 34 Powers Ave., S. F.
COST, \$500

REPAIRS
(2630) NO. 1864 PINE. General repairs for dwelling.
Owner.....Mrs. G. Noble, 1100 Gough, Sna Francisco.
Architect...None.
Contractor...Albert W. Leath, Sausalito, California.
COST, \$500

FRAME RESIDENCE
(2631) LOT "B" LINCOLN MANOR. Two-story and basement frame residence.
Owner.....S. A. Born Bldg. Co., Lincoln Manor, S. F.
Architect...None.
Day's work. COST, \$3400

Contractors all over the country are moving more material in less time and at a smaller expense with
FOUR WHEEL DRIVE TRUCKS
than with any other method of transportation.

Consider what power on all four wheels would mean for you in your business.

Large Contractors and corporations the world over are finding that power on all four wheels results definitely and decisively in:--

100 per cent saving in cost of tires.

Greater durability to every wearing part.

Allows equal distribution of load, thus

Eliminating undue strain on any one part.

Enormous saving in cost of up-keep.

More mileage per gallon of gasoline and oil.

DEPENDABLE SERVICE - no idle days waiting for repairs.

Remember that every F. W. D. Truck built in the past seven years is working to-day, and they are performing harder and more persistent service at a given cost than any other truck built to-day.

You owe it to yourself to investigate the F. W. D. truck.

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

ALTERATIONS

(2632) N SANTA MARIA 101-6 E Mission. Alter dwelling.
Owner.....Anne Gordon, 36 Cortland Ave., San Francisco.
Architect...None.
Contractor...Wm. Reedy, 157 Bronte, San Francisco.

COST, \$1000

RESIDENCE

(2633) LOT 2 AND E 1/2 LOT 4 BLK 2838, Forest Hill Court. Excavating, filling in, grading, concrete, masonry, carpenter, lath and plaster, plumbing, electric work, heating for two-story basement and attic residence.

Owner.....Dr. Geo. H. Whipple, 176 Edgewood, San Francisco.

Architect...Chas. Peter Weeks, Mutual Bank Bldg., S. F.

Contractor...J. Eric Johanson, 1832 Franklin, San Francisco.

Filed Sept. 6, '16. Dated Sept. 5, '16.

Foundations on\$1000

Frame up 2105

Brown coated 2105

Standing trim on 2105

Completed and accepted 2105

Usual 35 days 3141

TOTAL COST, \$12,561

Bond, \$6280.50, Surety, New Amsterdam Casualty Co. Limit, none. Forfeit, none. Plans and specifications filed.

CEMENT PLASTERING, ETC.

(2634) SE MARKET 75 SW Eighth SW 200 SE 275 NE 155 NW 105 NE 45 NW 170. Cement gun plastering, dash work, etc on outside walls of building known as Whitcomb Hotel.

Owner.....Jas Otis, Trustee, 310 California, San Francisco.

Architect...Wright & Rushforth, 354 Pine, San Francisco.

Contractor...Baker & Martin, Sheldon Bldg., San Francisco.

Filed Sept. 6, '16. Dated Aug. 30, '16.

Completed and accepted\$2136

36 days after 712

TOTAL COST, \$2848

Bond, \$1424. Surety, The Aetna Accident & Liability Co. Limit, 20 days. Forfeit, \$10. Plans and specifications filed.

ALTERATIONS

(2622) N BOSWORTH 75 E Marsley Ave W 75 N 150 E 75 S 150. All work for alterations and additions to St. John's Parochial School and erect two story frame convent building.

Owner.....The Roman Catholic Archbishop of S. F., 1100 Franklin, San Francisco.

Architect...John J. Foley, 46 Kearny, San Francisco.

Contractor...William M. Reedy, 157 Bronte, San Francisco.

Filed Sept. 5, '16. Dated Aug. 25, '16.

On 1st and 15th of each month 75%

Usual 35 days 25%

TOTAL COST, \$27,705

Bond, \$12,853. Surety, A. H. Kunst and N. E. Wienholz. Limit, 120 days after starting work. Forfeit, none. Plans and specifications filed.

STEAM HEATING, ETC.

(2636) N CLAY bet. Hyde and Leavenworth: No. 1450 Clay. Steam heating and hot water plant, hot water circulating system, furnace room and chimneys and laying hardwood floors for building.

Owner.....Mrs. E. S. Preston, Prem.

Architect...E. H. Denke, 1317 Hyde, San Francisco.

Contractor...F. G. Denke, 1317 Hyde, San Francisco.

Filed Sept. 6, '16. Dated Sept. 5, '16.

Steam piping installed and hot water circulating pipes in place. \$730

Heating plant finished and hardwood floors laid 730

TOTAL COST, \$1460

Bond, none. Limit, 35 days. Forfeit, none. Specifications only filed.

FRAME FLATS

(2637) W NINTH AVE 200 N Cabrillo. Two-story and basement frame (2) flats.

Owner.....A. T. Morris, 501 11th Ave., San Francisco.

Architect...None.

Day's work COST, \$3900

ALTERATIONS

(2638) SE MISSION & NINETEENTH.

Alter for market.

Owner.....L. Hirsch.

Architect...None.

Contractor...R. M. Moller, 736 Call Bldg., San Francisco.

COST, \$1000

ADDITION

(2139) NO. 766 ELEVENTH AVE, Add to dwelling.

Owner.....Frank A. Kenney, Prem.

Architect...None.

Contractor...W. H. Smith & Hansen, 428 Collingwood, S. F.

COST, \$1000

ALTERATIONS

(2640) NO. 140 GEARY. Alter partitions.

Owner.....Sachs Estate, Premises.

Architect...None.

Contractor...W. C. Nicoll, 266 Pine, San Francisco.

COST, \$600

ALTERATIONS

(2641) NO. 109 STOCKTON. Erect mezzanine floor.

Owner.....Pacific Mill & Mine Supply Company.

Architect...None.

Contractor...G. Sandberg, 1143 Lake, San Francisco.

COST, \$650

ALTERATIONS

(2642) SE GALVEZ AND RAIL ROAD Ave. Underpin and erect concrete bulkhead.

Owner.....Margaret O'Day, 1201 Mendell, San Francisco.

Architect...None.

Contractor...P. Sanfilippo, 902 Cortland Ave., San Francisco.

COST, \$500

FRAME STOREROOM

(2643) NO. 3236 SEVENTEENTH. One and one-half-story frame storeroom.

Owner.....J. C. Garbarino.

Architect...None.

Contractor...Ben Maisler, 777 Ellis, San Francisco.

COST, \$500

FRAME DWELLING

(2644) N REVERE 75 W Keith. One and one-half-story and basement frame dwelling.

Owner.....Frank Revere, 1340 Revere Ave., San Francisco.

Architect...None.

Contractor...T. L. Sharman, 1440 Shafter Ave., San Francisco.

COST, \$1750

FRAME COTTAGES

(2645) SW MEDA AVE 215 AND 240 SE Delano Ave respectively. All work for two five-room frame cottages.

Owner.....T. C. Connell, 815 54th, Oakland.

Architect...Plans by Owner.

Contractor...Bailey & Connell, 90 Falcon Ave., San Francisco.

Filed Sept. 7, '16. Dated Aug. 31, '16.

Frames up\$ 900

Brown coated 900

On completion 900

Usual 35 days 1900

TOTAL COST, \$4600

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FIXTURES, ETC.

(2646) E THIRD — N Townsend. All work for fixtures to be installed in offices of building being erected for M. J. Brandenstein & Co. and remove drawers in coffee department from present location to No. 126 Mission.

Owner.....M. J. Brandenstein & Co., 126 Mission, San Francisco.

Architect...G. Albert Landsburgh, 709 Mission, San Francisco.

Contractor...Wm. Bateman, 1913 Bryant, San Francisco.

Filed Sept. 7, '16. Dated Sept. 2, '16.

Completed and accepted 75%

Usual 35 days 25%

TOTAL COST, \$8766

Bond, \$4500. Surety, Massachusetts Bonding & Insurance Co. Limit, Nov. 1, 1916. Forfeit, \$20. Plans and specifications filed.

INCORPORATIONS.

Genkin Ya, Inc. Capital Stock, \$20,000; subscribed, \$50; shares, \$10 each. Directors—H. Y. Tahara, K. Chino, M. Yabino, E. Uchida, K. Kurihara, 1 share each. Place of business, S. F.

Minerva Motion Picture Co. Capital Stock, \$10,000; subscribed, \$3; shares, \$1 each. Directors—F. L. Wheeler, L. Fischer, W. Lewis, 1 share each. Place of business, San Francisco.

LEASE.

Sept. 7, 1916—SW CALIFORNIA AND Nineteenth Ave. S Arrighi and E Georgini to Paul Nass. 4 years 11 months. \$1750. Assigned August 1, 1916 by Paul Nass to Felix Marty.

Sept. 5, 1916—NO. 1595 POST SE Cor. Laguna. Aug F & Alice M Schuppert to Phillip Hack. 5 years. \$4500.

NOTICE OF NON-RESPONSIBILITY.

Sept. 6, 1916—W MISSION No. 2686 Mission bet. 22nd and 23rd. Skaller Realty & Trading Co as to improvements on leased property.....

COMPLETION NOTICES.

San Antonio

RECORDED ACCEPTED

Sept. 1, 1916—W GILBERT 230 N. Brannan 22,96x80. J. Hannan to Geo. D. Gilmour..... Sept. 1, 1916

Sept. 1, 1916—NW HAIGHT and Cole, S. H. Levin to Golden Gate Iron Works, Aug. 28; Trevis & Pasqualetti.....Aug. 23, 1916

Sept. 1, 1916—NE LAKE and 22nd Avenue E 57-6xN 100. John H. Sherry to Scott Co.....Aug. 31, 1916

Sept. 2, 1916—SW FRONT AND PA-

cific S 61-8xW 137-6. Frye & Co. to P. Montague Co.Aug. 31, 1916
 Sept. 2, 1916—S MARKET and 3rd SW 75xSE 70. City Investment Co. to H. MaundrellAug. 28, 1916
 Sept. 2, 1916—SE MARKET 75 SW 3rd SW 50xSE 100. City Investment Co. to McLeran & PetersonAug. 28, 1916
 Sept. 2, 1916—NW HARRISON 300 SW 5th SW 200xNW 80. Fifth Street Co. to A. PaulsenAug. 24, 1916
 Sept. 2, 1916—W VAN NESS AVE 90-6 N Broadway N 47xW 135-3. Louis Metzger to George W. Boxton & SonSept. 1, 1916
 Sept. 5, 1916—MARKET 45 SW Second SW 30 SE 91-6 SW 20 SE 43-6 NE 95 NW 43-6 SW 45 NW 91-6. Sophonia T. Hooper to Jos S FennellSept. 1, 1916
 Sept. 5, 1916—NE GILLMAN AND Ingalls 25x100. C Z Sutton to whom it may concernSept. 5, 1916
 Sept. 5, 1916—S GEARY 132-6 E 19th Ave S 100xSE 25. E Coleman to whom it may concernCompleted—
 Sept. 5, 1916—NW FILBERT AND Leavenworth W 87-6xN 37-6. Geo E Townsend and Ernest S Livingston to Maffei Bros.Sept. 5, 1916
 Sept. 5, 1916—E NINETEENTH AVE 125 N Balboa N 25xSE 120. Martin and Hans Nelson to whom it may concernSept. 5, 1916
 Sept. 5, 1916—SW FOURTEENTH AV and California W 90xS 100. Louis Friedman and Samuel Gerson to W L HemmengaSept. 1, 1916
 Sept. 6, 1916—E PLUTO 100 S from N line Lot 3, Lyon & Hoag's Sub No. 2, Ashbury Terrace S 74 deg 09 min E 122.38 S 24 deg 53 min E 32.99 to a pt 125 S from N line Lot 3, extended, W 116.63 NW 36.96 Pin Lots 6 and 7 Lyon & Hoag's Sub No. 2, Ashbury Terrace. Paramount Bldg Co to whom it may concernSept. 6, 1916
 Sept. 6, 1916—E PLUTO 75 S from N line Lot 3, Lyon & Hoag's Sub No. 2, Ashbury Terrace S 74 deg 09 min E 126.6 S 24 deg 53 min E 32.99 to a pt 100 S from N line Lot 3, extended, W 122.58 NW 35.89 being Pin Lots 5 and 6 Lyon & Hoag's Sub No. 2, Ashbury Terrace. Paramount Bldg Co to whom it may concernSept. 6, 1916
 Sept. 6, 1916—S JERSEY 240 W Castro W 50xS 114. City & County of San Francisco by Board of Trustees of the Public Library and Reading Rooms to P A PalmerAug. 30, 1916
 Sept. 7, 1916—N TWENTIETH 205 W Church W 25xN 114. Louis J. Roberts. Agent to Louis J. RobertsSept. 7, 1916
 Sept. 7, 1916—E NINETEENTH AVE 150 S Balboa 25x120. D J Clancy to whom it may concernSept. 7, 1916
 Sept. 7, 1916—W NINETEENTH AVE bet "T" and "U." Amalia C Duckelman to J KosechnitzkiAug. 31, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED	AMOUNT
pt. 1, 1916—E FORTY-FOURTH AV 200 S Geary S 75xSE 120. Joost Bros. vs. Finance and Realty Development Co.	\$220.16
pt. 5, 1916—W SEVENTEENTH AV 146-1 S California S 25xW 120. W N Flaherty vs E F Helms .....\$111.48	

Sept. 6, 1916—W SEVENTEENTH AV 246 S California. Charles E Rademaker vs E O Jones and R F Helms\$45
 Sept. 6, 1916—W COLLINS 340 S Geary N 25xW 123-0½. J J Powers vs Wm F Yates and Claire J Bury\$320
 Sept. 7, 1916—W COLLINS 340 N Geary N 25xW 123-0½. W F Senner vs Wm F Yates and Mrs C Bury\$175
 Sept. 7, 1916—E COLLINS 321-8 N Geary E 120xN 25. E A Howard vs W F Yates\$316.56
 Sept. 7, 1916—W COLLINS 340 N Geary N 25xW 123-1½. Ickelheimer Bros Co, \$155; California Tile Contracting Co, \$22.50; Schwarz & Gottlieb, \$115 vs Wm F Yates and Claire J Bury\$361.85
 Sept. 7, 1916—W COLLINS 340 N Geary N 25xW 123-0½. San Francisco Lumber Co vs Jeanette Yates, W F Yates and Claire J Bury\$104.95
 Sept. 7, 1916—W COLLINS 340 N Geary N 25xW 123-0½. C H Beckman vs Mrs C Bury and W F Yates\$104.95
 Sept. 7, 1916—E HYDE 137-6 N Ellis N 30xSE 137-6. Jane Christensen vs A Penziner\$414
 Sept. 7, 1916—W COLLINS 340 N Geary N 25xW 123-5. Richmond Sheet Metal Works vs Wm F Yates, Jeanette Yates and Claire J Bury\$120.15
 Sept. 8, 1916—SW ARGUELLO BLVD and Anza S 25xW 95. McGlinchey & Monaghan vs W E Grant and Thos and Julia Rourke\$55.30
 Sept. 8, 1916—NW RIVERA AND 23rd Ave N 100xW 32-6. Shannon & Rebolto vs Edna W Wolf and John I Haner\$197.50
 Sept. 8, 1916—W SEVENTEENTH AV 246-1 S California S 25xW 120. W N Flaherty vs J J and Jane Doe Gallagher\$111.48
 Sept. 8, 1916—W NAPLES 109.5 S Newton 25x102.88, being Lot 5 Blk 14. Crocker Amazon Tract. Spring Valley Lumber Yard vs Oliver and Jennie C Evans\$451.99
 Sept. 8, 1916—E COLLINS 321-8 N Geary N 25xSE 120. J J Powers vs William F and Jeanette Yates\$233
 Sept. 8, 1916—W COLLINS 340 N Geary N 25xW 123-0½. Frank Portman, \$91.25; Joost Bros, \$122.32 vs Wm F Yates and Mrs C Bury\$213.57
 Sept. 8, 1916—E FORTY-FOURTH AVE 200 S Geary S 75xSE 120. Frank Portman vs Finance & Realty Development Co\$16.50
 Sept. 8, 1916—SW ANZA & ARGUELLO Blvd W 95xS 25. Robert H Smith vs W E Grant and Thomas Rourke\$35.41
 Sept. 8, 1916—SW ANZA AND ARGUELLO Blvd W 95xS 25. United Materials Co vs Thomas Rourke and Neil Mulcahy\$148.15
 Sept. 8, 1916—SW ANZA AND ARGUELLO Blvd S 25xW 95. Frank Giarritta Co, \$173; J H Kruse, \$183.82 vs Thomas Rourke\$357.17
 Sept. 8, 1916—W COLLINS 340 N Geary N 25xW 123-0½. Richmond Elec Co vs Wm F Yates and Claire J Bury\$62.25
 Sept. 8, 1916—W COLLINS 324 N Geary N 25xW 123-0½. A Seghieri & Bro, Inc vs Wm F Yates and Claire J Bury\$191.98
 Sept. 8, 1916—SW ANZA AND ARGUELLO Ave S 25xW 95. Inlaid Floor

Co vs Thos J Rourke and W E Grant\$120

OAKLAND AND ALAMEDA COUNTY

RESIDENCE—1 story and base, frame, \$1,150. Berkeley, Alameda Co., Cal. Architect, E. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owners, Bay View Construction Co. Location, west Belvedere south Cedar. Will contain three rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, H. C. Pfing, 320 Forest street, Oakland. Location, east Desmond north Coronado. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

CHEMISTRY BUILDING—4 story and base. Class A construction, \$209,486. Berkeley, Alameda Co., Cal. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. The following contracts have been awarded in connection with the construction of the chemistry building: Excavation, grading and concrete awarded to Clinton Construction Co. for \$65,250. Exterior Cement Finish awarded to MacGruer & Co. for \$12,331. Roofing and sheet metal work awarded to Forester Corbin Works for \$1,976. Interior Furring, lathing and plastering awarded to Knowles & Mathewson for \$11,776. Carpentry and cabinet work awarded to McLeran & Peterson for \$13,250. Marble and terrazzo awarded to Joseph Musto Sons-Keenan Co. for \$1,785. Plumbing awarded to Scott Co. for \$16,965. Heating and ventilating awarded to Scott Co. for \$14,080. Elevator awarded to Otis Elevator Co. for \$2,090. Electric wiring awarded to Newberry Electric Co. for \$29,980. Acoustic felt awarded to Johns-Manville Co. for \$753.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, William F. Neary, 1701 Telegraph avenue, Oakland. Location, west South Court south Pleasant. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, A. R. Dexter, 820 Athens avenue, Oakland. Location, north Alleen west Shattuck. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$3,700. Oakland, Cal. Architect, W. S. Rhodes, 3373 16th street, S. E. Owner, Margaret E. Grace. Location, Claremont avenue northeast Cobby. Will contain two flats and a store. Plans complete and figures being taken.

MUSEUM—5, 1 and 2 story and base, Class A construction, \$600,000. Oakland, Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Oakland. The group will consist of a State building, for which the Legislature will be asked to appropriate \$200,000, an art building, natural history building, commercial museum and ethnological building. Further mention will be made of the work when plans receive the approval of the Oakland Chamber of Commerce.

STREET IMPROVEMENT—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on September 19th at 10 a. m. for street improvements authorized under the following resolution: That portions of Fulton street between Allston Way and Dwight Way be graded; construct concrete curbs and gutters and the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete base 5 inches thick.

STORES—1, 1 and 1, 2 story and base, brick. Cost not stated. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Fruit & Produce Realty Co. Location, Second and Franklin streets. Plans complete and figures being taken.

STORES AND LOFTS ALTERATION—3 story and base, brick. Cost not stated. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, F. Diehl. Location, Second and Franklin streets. Work will consist of new store fronts, interior trim, plastering, plumbing and painting. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. A. Janssen, Hearst Bldg., S. F. Location, north Joseph west Colusa. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$6,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Robert Shuey. Location, Benvenue near Russell. Will contain eight rooms, two baths and sleeping porch. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$3,000. Oakland, Cal. Architect, W. L. Broderick, 1201 Colusa avenue, Berkeley. Owner, C. L. Porter. Location, Thousand Oaks Park. Will contain seven rooms, bath and sleeping porch. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, Edwin C. Graff, Syndicate Bldg., Oakland. Location, west Jean street south of Santa Clara. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENT—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on September 21st for street improvements authorized under the following resolution: That portions of College avenue from the northwest line of Broadway to the southern boundary line of the city of Berkeley, be curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt; 14 brick manholes, a brick catch basin, a vitrified pipe sewer, having an internal diameter of 21 inches and a vitrified pipe conduit, having an internal diameter of 11 inches.

Contracts Awarded.

STREET IMPROVEMENT—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contractors, Hutchinson Co., 13th and Franklin streets, Oakland. Contract price not stated.

BIDS RECEIVED FOR NEW ALBANY SCHOOL

Board of Education will Probably Reject all Bids and Re-advertise Work. Six Bids Submitted

ALBANY, Alameda Co., Cal.—Bids were received at the Thursday evening session of the Board of Education for the construction of the new Class "C" school building to be erected in Albany from plans prepared by Architect W. H. Weeks, 75 Post Street, San Francisco. While no official statement was given out, it is understood that all bids were in excess of the amount available for construction and that the work would be re-figured.

Bids were taken as follows: General construction, tile roof substituted for tar and gravel; substituting flush doors for panel; substituting cloister walls for wood; substituting maple floors for pine; and omitting cloister walls and corridors. Following is a complete list of the bids as received:

Albany School.

Carnahan & Mulford (1) \$26,104; (2) \$1,100; (3) \$100; (4) \$550; (5) \$135; (6) \$22,576.

Dan R. Wagner (1) \$28,900; (2) \$1,600; (3) \$100; (4) \$375; (5) \$210; (6) \$4,000.

G. B. Hollenbeck (1) \$25,700; (2) \$1,650; (3) \$123; (4) \$250; (5) \$270; (6) \$3,500.

Nail & Bishop (1) \$30,000; (2) \$2,000; (3) \$5; (4) \$375; (5) \$252; (6) \$3,900.

Masow & Morrison (1) \$28,511; (2) \$1,242; (3) \$105; (4) \$855; (5) \$360; (6) \$3,256.

L. G. Bergeren & Son (1) \$28,117; (2) \$1,208; (3) \$100; (4) \$550; (5) \$250; (6) \$1,300.

Heating and Ventilating.

W. Morgan & Co. \$1,469 add \$525
John G. Sutton & Co. 1,895 add 655
Robt. Datzel Jr. Co. 1,657 add 665
J. C. Hurley & Co. 1,541 add 649
Ideal Heating & Eng Co. 1,548 add \$140

Bids were also received at the same meeting for constructing a tar and gravel roof in place of a shingle roof on the present school building. John H. Hall and Jowitt bid \$1,990.85; Cushing & Bingham bid \$2,336 and Bishop & Nail bid \$2,125.

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Amt.
2087	Dolan	Dolan	450
2088	Atlas Eng.	Christensen	500
2089	Dolan	Durkee	500
2090	Pionkucken	Goranson	2500
2091	Gray	Stolte	2900
2092	Pfarrang	Pfarrang	2500
2093	Crosby	Kopf	400
2094	Cornb	Rauman	2600
2096	Metzger	Button	3725
2097	Merlino	Olsen	3500
2098	Renaud	Ray	150
2099	Dexter	Dexter	1950
2100	Neary	Neary	2500
2101	Pollard	Scott	600
2102	Weimer	Weimer	500
2103	Loring	Neibek	1311
2104	Johnson	Dexter	1650
2105	Force	Penson	1650
2106	Marshall	Phillips	600
2107	Knibroke	Phillips	100
2108	Nelson	Gossert	14800
2109	Piedmont Bldg.	Neal	8359
2110	Chiarulato	Perona	8875
2114	Hufschmidt	Charlston	2500
2118	Cal Cotton Mill	Owner	10000
2119	Sams	Same	500
2120	Mulhern	Silcox	800
2123	Gannaw	Coward	1250

SHED

(2087) S E-FOURTEENTH 75 E 21st avenue, Oakland. Shed.
Owner.....P. A. Dolan, Premises.
Architect...None.
Contractor...Dolan Wrecking Co., Prem.
COST, \$450

ALTERATIONS

(2088) FOOT TWENTY-SECOND ST. Oakland. Alteration to tank frame.
Owner.....Atlas Imperial Engine Co., Premises.
Architect...None.
Contractor...Christensen Bros., 237 Wayne avenue, Oakland.
COST, \$500

DWELLING

(2089) E EIGHTY-SIXTH AVE, 35 S Olive street, Oakland. One-story frame dwelling.
Owner.....W. F. Durkee.
Architect...None.
Day's work. COST, \$500

DWELLING

(2090) W BRUSH 70 N 21st street, Oakland. One-story five-room dwlg.
Owner.....E. Pionkucken, 1417 Adeline, Oakland.
Architect...None.
Contractor...H. Goranson, 3454 Laguna avenue, Oakland.
COST, \$2500

DWELLING

(2091) W PRYAL 110 S Shafter avenue, Oakland. Two-story seven-room dwelling.
Owner.....A. J. Gray, 741 Castro St., Oakland.
Architect...None.
Contractor...F. C. Stolte, 3449 Laguna avenue, Oakland.
COST, \$2900

DWELLING

(2092) E DESMOND 33 N Coronado, Oakland. One-story six-room dwlg.
Owner.....H. C. Pifrang, 320 Forest, Oakland.
Architect...None.
Day's work. COST, \$2500

ALTERATIONS

(2093) SW TWENTIETH and Webster, Oakland. Alterations.
Owner.....Dr. Daniel Crosby, 1822 Fruitvale avenue, Oakland.
Architect...None.
Contractor...B. F. Kopf, 1015 82nd avenue, Oakland.
COST, \$100

DWELLING

(2094) SW SEVENTEENTH AVE and East 16th street, Oakland. Two-story six-room dwelling.
Owner.....J. W. McComb, 613 10th St., Oakland.
Architect...None.
Contractor...C. Raumann, 76 Elwell St., Oakland.
COST, \$2600

DWELLING, ETC.

(2096) LOT 12 BLK "K" Map Grand Ave Heights (by-the-Parks), Oakland. All work for one-story dwelling and garage.
Owner.....H. W. and Mrs. E. Metzger, Oakland.
Architect...None.
Contractor...J. W. Button, 347 63rd, Oakland.
Filed Sept. 5, '16. Dated Aug. 30, '16.
Frame up 74

Plastered ¼
Completed ¼
Usual 35 days..... ¼
TOTAL COST, \$3725
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(2097) S SEVENTH 75 E Myrtle, Oakland. All work for two-story frame flats.
Owner.....G. Merlino, Oakland.
Architect...None.
Contractor..Edward Olsen, 977 Bay View Ave., Oakland.
Filed Sept. 5, 16. Dated Aug. 30, '16.
Frame up ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$3500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

OIL BURNER

(2098) NO. 315 E-NINETEENTH, Oakland. Oil burner.
Owner.....P. C. Renaud, Premises.
Architect...None.
Contractor..W. S. Ray Mfg. Co., 220 Market, San Francisco.
COST, \$450

DWELLING

(2099) N AILEEN 40 W Shattuck Ave., Oakland. One-story 6-room dwelling.
Owner.....A. R. Dexter, 820 Athens Ave., Oakland.
Architect...None.
Day's work. COST, \$1950

DWELLING

(2100) W SOUTH COURT 140 S Pleasant Valley Court, Oakland. One story 5-room dwelling.
Owner.....Wm. E. Neary, 1701 Telegraph Ave., Oakland.
Architect...None.
Days work. COST, \$2500

ADDITION

(2101) NO. 409 STATEN AVE., Oakland Addition.
Owner.....E. Pollard, Premises.
Architect...None.
Contractor ..G. A. Scott, 685 23rd, Okd.
COST, \$600

DWELLING

(2102) S QUIGLEY 75 W Loma Vista, Oakland. One-story 3-room dwlg.
Owner.....Mrs. Ed. Welmer, 3629 Quigley, Oakland.
Architect...None.
Contractor..Ed. Welmer, 3629 Quigley, Oakland.
COST, \$500

ALTERATIONS

(2103) NO. 1028 TENTH, Oakland. Alter dwelling into flats.
Owner.....Mrs. C. B. Loring, Prem.
Architect...None.
Contractor..Prince & Barnes, 3306 Market, San Francisco.
COST, \$1311

DWELLING

(2104) E VAL ALSTINE 400 S Hillside, Oakland. One-story 3-room dwlg.
Owner.....August Johnson, Crockett, California.
Architect...None.
Contractor..A. R. Dexter, 820 Athens Ave., Oakland.
COST, \$1654

DWELLING

(2105) W FRUITVALE AVE 350 N Hopkins, Oakland. One-story 4-room dwelling.
Owner.....E. E. Force, 3633 Fruitvale Ave., Oakland.
Architect...None.
Contractor..F. Benson, 2633 Herold Oakland.
COST, \$1650

ADDITION

(2106) NO. 3219 HANNAH, Oakland. Addition.
Owner.....Manuel Marshall, Prem.
Architect...None.
Contractor..A. Phillips, 2831 Helen, Oakland.
COST, \$600

DWELLING

(2107) E ROSE AVE 500 N Kanning, Oakland. One-story 3-room dwlg.
Owner.....Wm. Pembroke.
Architect...None.
Contractor..H. Nethkin, 3544 Porter, Oakland.
COST, \$400

FRAME APARTMENTS

(2108) LOT 15 BLK 14 Lakeside Sub-division of Adams' Point Property. Ptn Plot 21 V & D Peralta Rancho, Oakland. All work except light fixtures, heating and wall beds for 3-story frame apartments.
Owner.....Frederick L. and Vada R Nelson, 6442 Colby, Okd.
Architect...Chester H. Miller, 1st Savings Bank Bldg, Okd.
Contractor..Chester A. Gossett, 1713 Nason, Alameda.
Filed Sept. 6, '16. Dated Sept. 1, '16.

Frame up ¼
Brown coated ¼
Completed ¼
Usual 35 days..... ¼
TOTAL COST, \$14,800

Bond, \$7500. Surety, Massachusetts Bonding & Insurance Co. Limit, 120 days from Sept. 1. Forfeit, none. Plans and specifications filed.

BRICK GARAGE

(2109) SW TWENTY-THIRD AND Webster S 75xW 90, Oakland. All work for one-story brick garage.
Owner.....Piedmont Bldg. Association 1308 Broadway, Oakland.
Architect...A. A. W. Smith, 1010 Broadway, Oakland.
Contractor..Joseph Neal, 3307 College Ave., Berkeley.

Filed Sept. 6, '16. Dated Aug. 30, '16.
Roof trusses erected..... ¼
Brown coated and roofed..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$8359

Bond, \$4180. Surety, Fidelity & Deposit Co. Limit, 50 days. Forfeit, \$20. Plans and specifications filed.

FRAME DWELLING

(2110) LOT 18 Map Resubdivision ptn Highland Court, being on the corner of Sheridan and Caperton Aves, Piedmont. All work except painting and electric fixtures for two-story and basement frame dwelling.
Owner.....M. Cianciarulo, 716 Castro, Oakland.
Architect...Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor..John B. Perona, 563 7th Oakland.

Filed Sept. 5, '16. Dated Sept. 2, '16.
Frame up, roof sheathed and brick chimney completed \$2218
Brown coated 2218
Completed and accepted..... 2218
Usual 35 days..... 2221
TOTAL COST, \$8875

Bond, \$4500. Sureties, Hugh Hogan and Thomas P. Hogan Jr. Limit, 85 days. Forfeit, none. Plans and specifications filed.

DWELLING

(2114) S FIFTY-NINTH 160 W Grove, Oakland. One-story 5-room dwelling.
Owner.....Walter Hufschmidt, 1748 Broadway, Oakland.
Architect...None.
Contractor..C. E. Charleston, 1743 Broadway, Oakland.
COST, \$2250

FRAME ADDITION

(2118) COR. TWENTY-SECOND AVE and Livingston, Oakland. Frame addition.
Owner.....California Cotton Mills Co., Premises.
Architect...None.
Day's work. COST, \$1000

SHED

(2119) W TWENTY-SECOND AVE 123 N Livingston, Oakland. Shed.
Owner.....California Cotton Mills Co., Premises.
Architect...None.
Day's work. COST, \$500

ADDITION

(2120) NO. 2147 FORTY-SEVENTH Ave., Oakland. Addition.
Owner.....Frank Mulhern, 2124 47th Ave., Oakland.
Architect...None.
Contractor..Mark Silcox, 1301 52nd Ave., Oakland.
COST, \$600

STORES

(2123) E CLAREMONT AVE 30 S Florida, Oakland. One-story 3-room stores.
Owner.....D. Gannaw, 6306 Florida, Oakland.
Architect...None.
Contractor..J. Coward, 6081 Claremont Ave., Oakland.
COST, \$1250

Building Contracts Awarded

Berkeley

No.	Owner	Contractor	Amt.
2095	Bay View Constr.	Owner	1200
2115	Ocheltree	Wright	1200
2116	Cutter	Owner	1200
2117	Riddell	Riddell	400
2122	Thayer	Riddell	500

DWELLING

(2095) W BELVEDERE 98.12 S Cedar, Berkeley. One-story 3-room dwelling
Owner.....Bay View Constr. Co., 2125 Shattuck Ave., Berkeley.
Architect...F. Holberg Reimers, 2125 Shattuck Ave., Berkeley.
Day's work. COST, \$1200

DWELLING

(2115) N BERRYMAN 135 E Bonita, Berkeley. One-story 3-room dwelling
Owner.....C. B. Ocheltree, Los Angeles
Architect...F. Hilberg Reimers, 2125 Snattuck Ave., Berkeley.
Contractor..C. Wright, 2127 Kittridge, Berkeley.
COST, \$1200

STORE ROOM

(2116) SIXTH, bet. Grayson & Snyder, Berkeley. One-story store room.
Owner.....Cutter Laboratory, Prem.
Architect...None.
Day's work. COST, \$1200

ADDITION

(2117) NO. 2550 BUENA VISTA WAY, Berkeley. Addition.
Owner.....E. S. Riddell, Premises.
Architect...None.
Contractor.....Riddell Bldg. Service Corporation, 2247 Telegraph Ave., Berkeley.
COST, \$100

ALTERATIONS

(2122) NO. 2708 CHANNING WAY, Berkeley. Alterations.
Owner.....F. C. Thayer, Premises.
Architect...None.
Contractor.....Riddell Bldg. Service Corporation, 2247 Telegraph Ave., Berkeley.
COST, \$500

Building Contracts Awarded

Alameda

No.	Owner	Contractor	Amt.
2111	Sutzy	Lockwood	2000
2112	Higgins	Pearson	600
2113	Noble	3000	
2121	Citizen Bank	Powell	7500
2124	Swanson	Lockwood	2000

DWELLING

(2111) W EIGHTH 50 S Lincoln Ave., Alameda. One-story 5-room dwlg.
Owner.....John Sutzy, 771 Haight Ave., Alameda.
Architect...None.
Contractor.....P. H. Lockwood, 717 1/2 Haight Ave., Alameda.
COST, \$2000

ADDITION

(2112) NO. 1242 ST. CHARLES, Alameda. Addition.
Owner.....J. E. Higgins, Premises.
Architect...None.
Contractor.....John Pearson, Oakland.
COST, \$600

DWELLING

(2113) SW SANTA CLARA AVE AND Court, Alameda. One-story 6-room dwelling.
Owner.....G. H. Noble, 2220 Central Ave., Alameda.
Architect...None.
Day's work. COST, \$3000

CONCRETE BANK.

(2121) NE WEBSTER AND HAIGHT Ave., Alameda. One-story reinforced concrete bank.
Owner.....Citizens' Bank of Alameda, Park and Santa Clara, Ala.
Architect...John Hudson Thomas, 1st National Bank Bldg., Bkly.
Contractor.....Powell Bros., 2708 Harrison Ave., Alameda.
COST, \$7500

DWELLING

(2124) S LINCOLN AVE 796 W 8th, Alameda. Two-story 8-room dwlg.
Owner.....Mable Swanson, San Jose.
Architect...None.
Contractor.....F. H. Lockwood, 717 1/2 Haight Ave., Alameda.
COST, \$2000

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED

Sept. 1, 1916—PTN LOT 3, BLK U, Map Central Piedmont Tract No. 4, Oakland. Geo. H. Johnson to whom it may concern. Sept. 1, 1916

Sept. 1, 1916—N WARD ST 265 E Baker, Berkeley. Mrs. Ellen Smith and Andrew Smith to C. S. Nichols. Sept. 1, 1916

Sept. 1, 1916—NW THIRTY-FIFTH and Lyon avenue, Oakland, I. Ariel Kellogg to whom it may concern. Aug. 31, 1916

Sept. 2, 1916—S 50 LOT 21, BLK D, Map Broadway Terrace, Oakland. Walter H. Creighton to whom it may concern. Aug. 31, 1916

Sept. 2, 1916—LOT 52, MAP MAPLE Terrace, Oakland. Patrick B. Davis to W. R. Brooks. Sept. 2, 1916

Sept. 2, 1916—N 30 LOT 25 AND S 5 Lot 26, Blk I, Map Bryant Tract, Berkeley. Carl Eriasson to whom it may concern. Aug. 31, 1916

Sept. 2, 1916—NO. 1705 GROVE ST., beginning 65 N 17th street, N 45xW 130, Oakland. D. H. McLaughlin to whom it may concern. Sept. 1, 1916

Sept. 5, 1916—LOT 22 BLK 2, Grand View Terrace, Bkly. S Goldman and Chas W Pugh to H P Nelson. Sept. 1, 1916

Sept. 5, 1916—PTN LOTS 2 AND 3 Blk "U" Map Central Piedmont Tract No. 4, Oakland Tp. Eunice C Wisner to whom it may concern. Completed —

Sept. 5, 1916—LOT 25 and SE 15 Lot 26 Blk 1 East Oakland Heights, Okd. W H Hollingsworth to W C Brown. Sept. 4, 1916

Sept. 6, 1916—LOT 17 BLK "D" Map Waterside Terrace, Alameda. Mark T Cole to whom it may concern. Sept. 5, 1916

Sept. 6, 1916—LOT 15 BLK 12 Daley's Scenic Park, Bkly. Alice S Kelly to Riddell Bldg Service Corporation. Sept. 5, 1916

Sept. 8, 1916—NE E-28TH 84 NW Bella Vista Ave NW 44xNE 95, Okd. John D Garretson to whom it may concern. Aug. 31, 1916

Sept. 8, 1916—E ROSS 200 N Harwood, Okd. B F Edwards to W S Montgomery. Sept. 1, 1916

Sept. 8, 1916—SE TWENTY-NINTH and Broadway SE 128.53 SW 100 NW 50.87 NE 2.65 NW 100 NE 75, Okd. Henry Abrahamson to Stockholm & Allyn, Sept. 1, 1916; J B Cruz Sept. 1, 1916

LIENS FILED

ALAMEDA COUNTY.

Sept. 1, 1916—S CENTRAL AVE, 423-5 W Webster St, E 752-1 SW to S boundary line land described in patent made by U. S. to Antonio Maria Peralta. W to pt 1 deg 35 min W pt begin NE 1 deg 35 min. Also lots 22, 25, 26, 27 and pt lots 23 and 24, Sec. 11 and lot 6, Sec 14, Tp 2 S range 4 west, M. D. M. Sale map No. 10, Salt Marsh and Pide Lands, Alameda. Santa Fe Lumber Co. vs. A. T. Spence, Surf Beach Amusement Co. S. Gordon, Henry Christophel, E. H. McCannely, C. L. Williams, R. W. Lucas and S. F. Walter. \$3,523.25
Sept. 2, 1916—N TWENTY-FOURTH street 220 E Valdez N 100x E 137 1/2

N 35, W 127 1/2 S 35, Oakland. L. S. Parsons vs. L. E. Allen. \$40.50
Sept. 5, 1916—LOT 1 Map Duffy Tract, Oakland. Clyde Tite vs Laura E and Orrin Allen. \$29
Sept. 5, 1916—E CHESTNUT 90 N 16th N 30x E 50, being No. 1620-22, Okd. J J Hannan vs Zeno King and A C McKinley. \$24.61
Sept. 7, 1916—LOT 16 BLK 9, Northbrae, Oakland Tp. Heywood Lumber & Supply Co vs E G Jones and H H Putman. \$581.65
Sept. 8, 1916—N TWENTY-FOURTH 317.50 E Valdez E 40xN 100, Okd. W P Fuller & Co vs Laura E and Orrin Allen. \$379
Sept. 8, 1916—E 40 LOT 40 Map College Court, Okd. Rhodes-Jamieson & Co vs O G Smith and F F Morse. \$163.80
Sept. 8, 1916—SW FLEMING AVE 234.66 NW Seminary Ave NW 70x SW 96, Okd. Sunset Lumber Co vs F F Morse and O G Smith. \$572.97
Sept. 8, 1916—LOT 47 Map Grand Ave Terrace, Okd. R & P Schnoor (Schnoor Bros) vs B A Forrester & Co and Bradhoff. \$276.90
Sept. 6, 1916—S CENTRAL AVE 423-5 W Webster E 752-1 S to boundary line land described in patent made by U. S. to Antonio Maria Peralta W to pt S 1 deg 35 min W pt beg N 1 deg 35 min to pt beg and Lots 22, 25, 26, 27 and pt lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D Map Sale Map 10 Salt Marsh & Tide Lands, Ala. Hogan Lumber Co vs A T Spence and Surf Beach Amusement Co. \$1915.53

SAN JOSE AND THE SANTA CLARA VALLEY

RESIDENCE — 3 story and base, Class C construction, \$85,000. Palo Alto, Santa Clara Co., Cal. Architect, Louis C. Mulgard, Chronicle Bldg., S. F. Owners, Trustees Leland Stanford, Jr., University. Location, Lagunita Hill facing Campus. Will contain the president's residence in one wing and apartments for guests in the other wing. Plans complete and figures being taken.

RESIDENCE — 1 and 2 story and base, frame and concrete, \$50,000. San Mateo, San Mateo Co., Cal. Architects, Hudson & Munsell, Stimpson Bldg., L. A. Owner, Capt. John Barneson. Location, San Mateo Park. Will contain fourteen rooms, five baths and conservatory. A number of out buildings will also be erected. Plans complete but work is not to be started before spring.

STREET PAVING, ETC.—Cost not stated. Hillsborough, San Mateo Co., Cal. Engineer, City Engineer, 292 Holbrook Bldg., S. F. Owners, City of Hillsborough. Bids will be opened on September 19th for grading, surfacing and otherwise improving Barriolito avenue from the east limits of the city of Hillsborough to the west line of Brewer Drive.

CONVENT—3 story, brick or reinforced concrete, \$10,000. San Jose, Santa Clara Co., Cal. Architect, William Klinkert, San Jose. Owners, Notre Dame Convent. The Sister Superior of Notre Dame Convent has informed our representative that all construction work contemplated at that institution will be carried on under the direction of Architect William Klinkert. This work will consist of the construction

of a three-story and basement building, either of reinforced concrete or brick and steel which will cost about \$100,000. Construction will not be started for at least several months. Further mention will be made.

AMUSEMENT BUILDING—1 story, frame, \$4,000. San Jose, Santa Clara Co., Cal. Architect, Charles S. McKenzie, Bank of San Jose Bldg., San Jose. Owners, Sisters of the Holy Family. Location, San Carlos and Lorraine streets, covering an area of 40 by 86 feet. Will contain stage and auditorium. Plans complete and ready for figures.

SCHOOL—1 story frame, \$6,000. Mountain View, Santa Clara Co., Cal. Architect, F. D. Wolfe, Bank of Italy Bldg., San Jose. Owners, Mountain View School District. Will contain two class rooms. Heating by stoves. Plans complete and figures to be called for at once.

LODGE HALL, ALTERATIONS—2 story, frame, \$10,000. Los Gatos, Santa Clara Co., Cal. Architect, Warren Skillings, Garden City Bank Bldg., San Jose. Owners, Messrs. Case & Balch. Work will consist of new interior trim, hardwood floors, plumbing, electric work, plastering, painting and a steam heating system. Plans complete and figures being taken.

HIGHWAY CONSTRUCTION, ETC.—Cost not stated. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Salinas. Owners, Monterey County. The County Supervisors have ordered bids received up to September 15th at 1:30 p. m. for the improvement of the Old Toll road at the Elkhorn Slough Crossing near Hudson Landing, in the Pajaro Road District.

Bids for constructing bank protection in the Salinas River above King City bridge in the King City Road District, were also ordered received up to September 15th at 1:30 p. m.

Plans presented by County Surveyor Howard P. Cozzens for repairing the Gonzales bridge across the Salinas River from Gonzales were approved and bids ordered received up to September 15th at 1:30 p. m.

The same action was also taken on the plans for constructing bank protection on the Salinas River above Hilltown bridge in the Alisal Road District.

RESIDENCE—1 story, frame, \$2,700. Los Gatos, Santa Clara Co., Cal. Architect, W. S. Rhodes, 3372 16th street, S. F. Owner, N. A. Andreson. Will contain three rooms, large porches and bath. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENT—Cost not stated. Monterey, Monterey Co., Cal. Engineer, City Engineer, Monterey. Owners, City of Monterey. No bids were received by the City Council at their last meeting for the improvement of Pacific street and Fremont street, and new bids have been ordered received up to September 19th at 7 p. m. Plans may be had from the City Clerk.

CULVERTS—Reinforced concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, City Engineer, Redwood City. Owners, Redwood City. City Engineer Finlay has been instructed to prepare plans and specifications for storm water culverts across the county road. Seven of these culverts are to be installed, two at

Hopkins avenue, two at Rogers street, two at Brewster avenue and one at Jackson street. City Clerk Price was directed to advertise for bids for the construction of these culverts without delay.

Contracts Awarded.

STREET PAVING—\$4,000. Burlingame, San Mateo Co., Cal. Engineer, City Engineer, Holbrook Bldg., S. F. Owners, City of Burlingame. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price, \$4,000.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME BUILDING

SANTA CLARA AND MARY STS., San Jose. All work for two-story frame building and wrecking old building. Owner.....Oscar Bubnick. Architect....None. Contractor, J. L. Luebben, San Jose. Filed Sept. 6, '16. Dated Sept. 2, '16. Rough frame up.....\$657 1st coat plaster on..... 657 Job accepted..... 657 Usual 35 days..... 657

TOTAL COST, \$2,628

Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED	ACCEPTED
Sept. 7, 1916—UNIVERSITY AVE nr Seneca St., Palo Alto. Mrs E C Hughes and Mrs L J Kennedy to George Jacobson.....Aug. 30, 1916	
Sept. 1, 1916—LOT 6 BLK 3, RANDAL Addition to Chapman & Davis Trct. Donna L. Scott to whom it may concern.....Aug. 25, 1916	
Aug. 30, 1916—STANFORD CAMPUS. Delta Kappa Epsilon Ass'n. to L. E. Wingard.....Aug. 22, 1916	
July 29, 1916—LOTS 15 AND 16, Subdivision Swall Tract, part section 19, Tp 6 S R 2 W, M. D. M. Edward J. McCutchen to Grace & Bernieri.....July 28, 1916	
Sept. 1, 1916—MENLO PARK, Page's Mill Road. Elise A. Drexler to Stockholm & Allyn.....Aug. 23, 1916	
Sept. 1, 1916—LOT 3, BLK A, Spalding Addition, Sunnyvale. Edwin V. Benner to whom it may concern.....Aug. 30, 1916	

LIENS FILED

SANTA CLARA COUNTY.

RECORDED	AMOUNT
Aug. 30, 1916—LOT 13, BLK 3, Elm Leaf Park Half Acres. San Jose Lumber Co. vs. G. J. Halines.....\$331.31	

BUILDING CONTRACTS

SAN MATEO COUNTY.

BUNGALOW

PORTIONS OF LOTS 13 AND 14 IN Blk 45 of the Bowie Estate, East-ern addition to San Mateo. One-story frame bungalow of four rooms and bath, shingled extension and concrete foundation. Owner.....J. A. Henry Stoeckle. Architect....None.

Contractor...Croop & Keegan, San Mateo, Cal.

Filed Sept. 1, '16. Dated Aug. 26, '16. Framed and roofed\$335.75 First coat of plaster on 335.75 Completed 335.75 Usual 35 days 335.75

TOTAL COST, \$1,343

Bond, Sureties, Forfeit, none. Limit, Nov. 1, 1916. Plans and specifications filed.

RESIDENCE

PORTION OF LOT 64, SUB NO. 1, SAN Mateo Park, Clark Drive, San Mateo. All work for two-story frame and plastered residence.

Owner.....J. W. Wolf, San Francisco. Architect.....Thomas M. Edwards, Bank Bldg., Burlingame.

Contractor...Catherwood & Hamilton, 149 W Poplar, San Mateo.

Filed Aug. 28, '16. Dated Aug. 23, '16. Framed, etc.\$1,597 Roofed and plastered 1597 Completed 1597 Usual 35 days 1599

POTAL COST, \$6,390

Bond, \$3,195. Sureties, London and Lancashire Indemnity Company of America. Forfeit, \$5. Limit, 90 days. Plans and specifications filed.

STORE

CORNER OF GRAND AND CYPRESS

avenues, South San Francisco. All work excepting gas and electric fixtures and window shades for one-story and basement brick store Bldg. Owner.....Antonio Revello, San Francisco.

Architect....None.

Contractor...Pietro Carraro, 830 Felton, San Francisco.

Filed Aug. 30, '16. Dated Aug. 28, '16. Rough work up and doof on.....\$1,250 Brown plastered 1250 Completed 1250 Usual 35 days 1250

TOTAL COST, \$5,000

Bond, \$2,500. Sureties, Frank Demar-tini and Louis Segale. Forfeit, none. Limit, 75 days. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED	ACCEPTED
Sept. 5, 1916—LOT 93, SAN MATEO Park Add'n to San Mateo (Warren Road). Charles Irvin to whom it may concern.....Aug. 30, 1916	
Sept. 5, 1916—BROADWAY AND Washington, Redwood City. Lydia Dugan to L A Rose.....Aug. 31, 1916	
Sept. 1, 1916—MENLO PARK. Mrs. Elise A. Drexler to Stockholm & Allyn.....Aug. 23, 1916	

RELEASE OF LIENS.

SAN MATEO COUNTY.

Sept. 1, 1916—LOTS 29 AND 30, BLK 19, Crocker Estate Tract No. 1, Daly City. A. L. Stockton Lumber Company to Crocker Tract Hall Association and R. S. K. MacMillan.....\$637.73 and 7% Int.

MARIN, CONTRA COSTA AND SONOMA COUNTIES

STREET IMPROVEMENTS—Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, City Engineer, Martinez. Owners, City of Martinez. Owing to an error in the proceedings, all bids

for the grading of Talbart and High streets were rejected and the proceedings will have to be started anew. The Trustees will call for new bids within the next few weeks.

STREET IMPROVEMENT—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on September 18th at 8 p. m. for street improvements authorized under the following resolution: That 15th street between Ohio avenue and Potrero avenue be graded, curbed, guttered and sidewalked with cement concrete, and paved with Richmond standard macadam, consisting of broken stone and of asphaltum having a penetration of from 125 degrees to 140 degrees, District of Columbia Standard.

STREET IMPROVEMENT—Cost not stated. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Bids will be opened on September 25th for the following work, including the furnishing of the necessary labor and materials therefor: For the filling and grading of the San Rafael and San Quentin Toll Road, from the easterly line of Irwin street to the easterly corporate limits.

HIGHWAY CONSTRUCTION—Cost not stated. Fairfield, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano County. At the last meeting of the County Supervisors specifications for the graveling of a part of Road No. 21, No. 477, Vacaville Township, were approved, and the Clerk directed to advertise for bids to be opened on October 2nd at 11 o'clock a. m. Plans and specifications for the construction of a macadamized road through the town of Cordelia to connect the gap in the State Highway at that point, were ordered approved, and the Clerk directed to advertise for bids to be opened on October 2nd at 11 o'clock a. m.

FIRE ALARM SYSTEM—Cost not stated. Martinez, Contra Costa Co., Cal. Owners, City of Martinez. The City Trustees at their last meeting postponed action of installing the Gamewell electric fire alarm system in this city. The matter will be taken up at the next meeting scheduled for September 16th.

Contracts Awarded.

HIGHWAY IMPROVEMENT, \$4,900. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. Contractor, S. P. Brownlee, County Road, Kentfield. Contract price, \$4,900.

SCHOOL—1 story, frame, \$2,850. Avon, Contra Costa Co., Cal. Architect's name not given. Owners, Avon School District. Contractor, W. H. Ecker, Martinez. Contract price, \$2,850.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

COTTAGE

E SECOND ST., bet. Bissell and Chancellor, Richmond. Cottage.

Owner,.....C. E. Mentzer, 255 Second St., Richmond.

Architect.....None.

Day's work..... COST, \$1200

FRAME FLATS

LOT 40 BLK 130, City of Richmond. Tract. Excavating, concrete work,

grading, carpenter, brick, plumbing, gas fitting, sheet metal, roofing, electric wiring, lathing, wall beds, etc., for two-story frame building containing two separate flats.

Owner.....Mrs. Emma Thuber, S. E. Architect.....J. B. Ogborn (non-certificated), Richmond.

Contractor.....Carl Overaa, Richmond.

Filed Sept. 5, '16. Dated Aug. 28, '16.

Building up, enclosed and roof on.....\$700

Ready for lathing, rough plumbing and wiring done.....700

Plastering completed.....700

Completed and accepted.....765

Usual 35 days.....935

TOTAL COST, \$3740

Bond, \$3740. Surety, National Surety Co. Limit, 65 working days. Forfeit, none. Plans and specifications filed.

COTTAGE

SOITO AVE., bet. Dumont and Nadeau, Richmond. Cottage.

Owner.....F. J. Denton, Richmond.

Architect.....None.

Day's work..... COST, \$1000

COTTAGE

E FOURTH, bet. Chanslor and Ohio Sts., Richmond. Cottage.

Owner.....Chas. Milani, 20 4th St., San Francisco.

Architect.....None.

Day's work..... COST, \$1000

FRAME DWELLING

LAFAYETTE, Contra Costa Co. All work for one-story frame dwelling.

Owner.....L. H. Thomas.

Architect.....Thomas & Oliver, Pantages Bldg., Oakland.

Architect.....None.

Day's work..... COST, \$1800

WHARF, ETC.

RICHMOND. Construction of wharf, carried on concrete piles, timber trestle, etc., at plant.

Owner.....Standard Oil Co.

Architect.....Engineering Dept. Standard Oil Company.

Contractor.....Healy-Thibbitts Constr. Co., 9 Main St., San Francisco.

COST, \$60,000

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED

Sept. 6, 1916—SAN RAFAEL, Marin County. Mrs. G. Kemp to W. E. Abbott.....Sept. 1, 1916

Sept. 6, 1916—SAN GERONIMO, Marin County. Geo. R. Bentley to whom it may concern.....Sept. 6, 1916

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED

Sept. 6, 1916—LOT 12 BLK 52 Map of East Richmond Heights Tract No. 2, Richmond. John Milkevich to A. A. Beckman.....Aug. 12, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

SCHOOL—1 story and base, Class C construction, \$23,000. Modesto, Stanislaus Co., Cal. Architects, Hewitt & De Remer, L. A. Owners, City of Modesto. For the second time the date of

opening bids for this work have been postponed. The new date set is October 3rd.

HOTEL AND STORES—4 story and base. Class C construction, \$100,000. Visalia, Tulare Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owner, J. Sub Johnson. Location, Main and Church streets. Will contain stores, office, dining room and hotel lobby on the first floor and a large number of single rooms and baths on the upper floors. Plans complete and figures being taken.

STORES AND OFFICES—3 story and base, reinforced concrete, \$25,000. Madera, Madera Co., Cal. Architect's name not given. Owner, Hermann L. Stein, Madera. Location, Yosemite avenue and C street, covering an area of 50 by 175 feet. Will contain five stores, offices and hotel rooms. Plans being prepared.

STORE—1 story and base, brick, \$2,500. Fresno, Fresno Co., Cal. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owner, H. C. Dunlavy. Location, First and Tulare streets. Will contain one large store. Plans complete and figures to be called for at once.

SANITARY SEWER SYSTEM—\$332,000. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. The Coast Construction Co., 1419 East 29th street, L. A., presented the lowest figure for the work at approximately \$332,000 and will probably be awarded the contract. The next lowest bid was received from a combination of Bent Bros. of Los Angeles and the Tibbitts Pacific Co. of San Francisco at \$346,000, while James Kennedy of Los Angeles presented the third lowest figure at \$352,000.

STREET PAVING—Cost not stated. Fowler, Fresno Co., Cal. Engineer, City Engineer, Fowler. Owners, City of Fowler. The Board of City Trustees has directed the Clerk to advertise for bids for the paving of H street as the route of the State Highway through Fowler. Bids will be received up to September 15th. Plans may be had from the City Clerk.

ELECTROLIER SYSTEM—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Plans and specifications for the electrolier system on South I street have been approved by the Board of City Trustees and a call for bids will probably be issued at the next meeting.

HIGHWAY CONSTRUCTION—Cost as follows. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. The following

LIBRARY—1 story and base, brick, \$10,000. Madera, Madera Co., Cal. Architects, Coates & Travers, Rowell Bldg., Fresno. Owners, City of Madera. The following bids were received for the construction of the proposed Carnegie Library building: James L. Daley, Fresno, \$13,200; Manning Bros., Fresno, \$11,950; J. C. Nohrberg, \$14,610; Ed. Layne, Madera, \$13,743; Trewhitt & Shields Co., Fresno, \$13,965; D. Stephenson bid \$55 for the plumbing and \$1,340 for the heating. All bids were laid over for consideration.

contracts have been awarded for highway construction: John D. Marsh, 154 Wilson block, Los Angeles, was awarded the contract for a stretch of road eight and one-half miles long in Division 12, known as the Randsburg-Johannesburg Stringer District, on his bid of \$13,463. Marsh was also awarded the contract for a stretch eight and four-tenth miles long on the Bakersfield-McKittrick highway at \$34,317.50.

STREET AND SEWER WORK—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno, Owners, City of Fresno. The City Trustees have awarded the contract for the macadamizing of the alley in Block 127 to Thompson Bros., 1514 H street, Fresno, they being the lowest bidders. The same firm was also awarded the contract for macadamizing South Angus street, E. W. Redman, 164 Silvia St., Fresno, was awarded the contract by the Trustees for the construction of a sewer in Block 11 of the Paige Tract.

HOTEL AND STORES—3 story and base, brick and steel, \$100,000. Visalia, Tulare Co., Cal. Architect, Ernest Kump, Rowell Bldg., Fresno. Owner, J. Sub Johnson. The following are the general contractors who are figuring the five-story and basement hotel building for J. Sub Johnson: Trehitt & Shields of Fresno; Amweg Construction Co., Ward & Goodwin, Bert T. Owsley, Harvey A. Klyce, McEran & Peterson, Higgins & Palmer, all of San Francisco.

SCHOOL ADDITION—1 story, brick. Cost not stated. Fresno, Fresno Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, St. John's Parish. Designed for a parochial school, and will contain five class rooms and service department. Plans being prepared.

Contracts Awarded

BRIDGE—Reinforced concrete, \$2,653.30. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, Castro & Blaisdell, Bakersfield. Contract price, \$2,653.30.

SEWER CONSTRUCTION—\$332,041. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, Coast Construction Co., 1119 East 29th street, L. A. Contract price, \$332,041.

BUILDING CONTRACTS

FRESNO COUNTY.

ALTERATIONS
NO. 1527 TULARE ST., Fresno. Alterations. Owner,.....Ton Duck, Lessee. Architect...None. Day's work. COST, \$2500

FRAME BUNGALOW
LOTS 11 AND 12 BLK 14, North Park Terrace, Fresno. All work for frame bungalow. Owner,.....Frances C. Meehan. Architect...Coates & Traver, Rowell Bldg., San Francisco. Contractor, J. D. Yarnell, 2327 White St., Fresno. Filed Sept. 6, '16. Dated Sept. 5, '16. Foundations in\$771.66 Ready for plaster..... 771.66

Completed 771.66
TOTAL COST, \$2315.00
Bond, \$1157.50. Sureties, J. M. Brown and Thos. Mulligan. Limit, Nov 15, 1916. Forfeit, none. Plans and specifications filed.

FIXTURES, ETC.

LOTS 20 AND 21 BLK 83, Fresno. Fixtures, etc., for store. Owner,.....Owl Drug Co., Lessee. Architect...None. Contractor, S. Kulcher & Co., 8th Ave and E-10th St., Oakland. COST, \$2000

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED **ACCEPTED**
Sept. 6, 1916—SEC 1 20-15 (oil well) Fresno. Kern Trading & Oil Co to whom it may concern...Aug. 30, 1916
Sept. 1, 1916—LOTS 71 AND 72 BLK 44, Fowler. Clara M Guthrie to whom it may concern...Aug. 29, 1916

LIENS FILED

FRESNO COUNTY.

RECORDED **AMOUNT**
Sept. 6, 1916—LOT 25 BLK 1, Maple Park, Fresno. Fresno Hardware Co vs Kenneth J Stanford.....\$155

NOTICE OF NON-LIABILITY.

FRESNO COUNTY.

Sept. 1, 1916—SANGER. (Building of H. B. Smith.) Southern Pacific Co. as to improvements on leased property

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

PUMPING PLANT—Reinforced concrete. Cost not stated. Carmichael, Sacramento Co., Cal. Engineer, Albert Givan, Forum Bldg., Sacramento. Owners, Carmichael Irrigation District. Bids will be opened on September 25th at 10 a. m. for a reinforced concrete pumping station. Complete details can be had from the engineer.

APARTMENT HOUSE—3 story and base, frame. Cost not stated. Eureka, Humboldt Co., Cal. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, C. D. Daly. Location, Hillsdale and E streets. Will contain 29 apartments of two, three and four rooms. Plans complete and being figured.

BATH HOUSE—1 story, frame. Cost not stated. Lodi, San Joaquin Co., Cal. Engineer, City Engineer, Lodi. Owners, City of Lodi. Bids are being taken by the City Trustees for the erection of the proposed one story frame natatorium building to be erected in Lodi. Revised plans for this structure were prepared by City Engineer Barzellotti. Bids close Monday evening, September 18th. The tank for the structure is already in place.

HOSPITAL WARD—2, 2 story and base, hollow tile, \$76,077. Sacramento, Cal. Architect, R. A. Herold, Forum

Bldg., Sacramento. Owners, Sacramento County. William C. Keating, Sacramento, presented the lowest figure for this work at \$76,077 and will probably be awarded the contract. A complete list of the bids received will be found under the heading of Sacramento and Northern California in this issue.

HIGHWAY IMPROVEMENTS—Cost not stated. Redding, Shasta Co., Cal. Engineer, County Surveyor, Redding. Owners, Shasta County. All bids for grading the 6,160 feet of the Ono road near the Clear Creek bridge were rejected by the Supervisors. They will be opened again on October 1st. It was found that the survey made by County Surveyor C. R. Weigel did not conform with that made six years ago by former County Surveyor Robert J. Reading. As the call for bids stated that the Reading survey would be readvertised, the bidders were Jesse Sutton of Anderson and W. J. Hammons of Ono.

HIGHWAY IMPROVEMENTS—Cost as follows. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin Co. The following bids were received by the San Joaquin County Supervisors at their last meeting for various road improvements throughout the county: Lane Road—Cyrus Moreing & Sons, rock, \$19,246.24; gravel, \$13,550.10; Gaskill & Poley, rock, \$23,035.14; gravel, \$18,865.44. Miller Road—Moreing & Sons, rock, \$17,792.35. Angier & Norton Road—S. W. McCleary, \$2,428.30; Fy Moreing & Sons, \$2,716; Gaskill & Poley, \$2,658.65. McKinley Avenue Sewer—W. F. Edwards, \$1,926; Chambers & Heafy, \$1,823.10; F. C. McIntire, \$2,135. It is probable that a contract will be awarded the lowest bidder in each case.

CULVERTS—Reinforced concrete. Cost as follows. Marysville, Yuba Co., Cal. Engineer, County Surveyor, Marysville. Owners, Yuba County. Bids for the construction of a culvert on the La Port stage road have been rejected by the County Supervisors as being too high. Two bids were received as follows: F. D. Groh, \$3,506; Jenkins & Wells, \$3,828. The County Surveyor was directed to investigate if the work could not be done cheaper by the county.

LEVEE CONSTRUCTION—Cost not stated. Colusa, Colusa Co., Cal. Engineer, City Engineer, Colusa. Owners, City of Colusa. The Town Trustees have instructed Clerk F. E. Wright to advertise for bids for the proposed levee work from the east line of the city to the west. The bids will be taken for team and dredger work. Plans may be had from Town Clerk F. E. Wright.

RESIDENCE—1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, Henry Willis Singleton Hotel, Sacramento. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, J. Lockhart, Sacramento. Location, 1228 V street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

Contracts Awarded.

BRIDGE—Reinforced concrete, \$4,199. Marysville, Yuba Co., Cal. Engineer, County Surveyor, Marysville. Owners,

Yuba and Nevada Counties. The Supervisors of Yuba and Nevada Counties at a joint session awarded the contract for the joint county bridge over Dry Creek, near Spenceville to A. H. Burton of Grass Valley, being the lowest of four bidders at \$4,199. The highest bid for the work was \$8,300.

WATER PIPE—Wood stave. Cost not stated. Fort Bragg, Mendocino Co., Cal. Engineer, City Engineer, Fort Bragg. Owners, City of Fort Bragg. Contractors, Pacific Tank and Pipe Co., 5th and Bryant streets, S. F. Contract price not stated.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That 17th street from C street to D street be improved by constructing concrete curb, concrete gutter, filling in behind the curbs with earth; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; reconstructing one concrete manhole; filling in two old catch basins with earth; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to the McGilivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between L and M streets from 4th street to 5th street be improved by constructing 493 linear feet of concrete curb wall; constructing one concrete catch basin; reconstructing one concrete manhole; placing six linear feet of 8-inch, vitrified, ironstone sewer pipe drain; grading the alley and constructing thereon an asphaltic pavement consisting of an asphaltic macadam foundation 3 inches thick and a sheet wearing surface 1½ inches thick. Awarded to the McGilivray Construction Co.

IRON GATES—\$1,990.15. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors, Stockton Tool Works, Stockton. Contract price, \$1,990.15.

RECEIVE FIGURES FOR SACRAMENTO CO. HOSPITAL.

Six Sacramento Firms Only Bidders for Two New Ward Buildings to be Erected at County Hospital.

(By Special Wire.)

SACRAMENTO, Cal., Sept. 6th, 1916—Only six sets of figures were received by the County Supervisors today for the construction of two ward buildings to be erected at the new County Hospital. Each building will be two stories in height and will be of hollow tile construction. Plans were prepared by Architect R. A. Herold, Forum Building, Sacramento. All bidders were from Sacramento. Following is a complete list of the bids opened:

Hospital Ward Buildings.

Siller Bros.	\$83,870
Mathews Constr. Co.	77,593
McGilivray Constr. Co.	79,975

William C. Keating	76,077
C. J. Guth	79,913
Teichert & Ambrose	82,200

Bids were referred to the Committee on Contracts.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

DWELLING AND GARAGE

NO. 2908 U ST., on W ½ Lot 2 U, V, 29th and 30th Sts., Sacramento. Five-room dwelling and garage.

Owner.....M. O. Conger, 28th and 1 Sts., Sacramento.

Architect...None.

Contractor...W. R. Saunders, 2801 I St., Sacramento.

Filed Sept. 2, '16. Dated Aug. 25, '16. COST, \$2234

COTTAGE

N ¼ OF LOT 1 C, D, 29th and 30th Sts., Sacramento. Five-room cottage.

Owner.....Henry Willis, Singleton Hotel, Sacramento.

Architect...None.

Day's work. COST, \$2600

COTTAGE

NO. 1320 V ST., on E ½ Lot 3 V, W, 13th and 14th Sts., Sacramento. All work for five-room cottage.

Owner.....J. Lockhart.

Architect...None.

Day's work. COST, \$2000

CARPENTER WORK

LOT WEST CURTIS OAKS, Sacramento. Carpenter work, etc., for building.

Owner.....W. B. Lewis, 506 8th St., Sacramento.

Architect...None.

Contractor...Howard W. Williford.

Filed Aug. 31, '16. Dated Aug. 14, '16. COST, \$2050

ALTERATIONS

NO. 521 J ST., on E 60 feet of Lot 6 Bk I, J, 5th and 6th Sts., Sacramento. Remodel brick buildings into moving picture show house.

Owner.....Heilbron Estate, Cr. Henry Heilbron.

Architect...E. C. Hemmings, 12th and J Sts., Sacramento.

Contractor...Teichert & Ambrose, Ochsner Bldg., Sacramento.

COST, \$56,300

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED

ACCEPTED

Sept. 5, 1916—SUB 8 LOTS 1 AND 10 North Sacramento. C L Knight to whom it may concern. Aug. 15, 1916

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

SCHOOL

TRACY, 12 acres SE ¼ of Sec 21 72 S R 5 E M D B & M. General construction for one-story hollow tile and concrete high school building (basement and auditorium).

Owner.....Trustees West Side Union High School, Tracy.

Architect...W. H. Weeks, 75 Post St., San Francisco.

Contractor...Jas. Furlong, Monadnock Bldg., San Francisco.

Filed Aug. 25, '16. Dated Aug. 22, '16.

1st payments	75%
Usual 35 days	25%
TOTAL COS, \$43,630	

Bond, \$21,815. Surety, Massachusetts Bonding & Insurance Co. Limit, 160 days. Forfeit, \$10. Plans and specifications filed.

PLUMBING ON ABOVE.

Contractor...Mrs. M. B. Bramman & F. C. Brown, Tracy, Cal.

Filed Aug. 25, '16. Dated Aug. 22, '16. Payments same as above.....

TOTAL COST, \$3708

Bond, \$3708. Sureties, A. H. Lunne and John Schmidt. Limit, 140 days. Forfeit, \$10. Plans and specifications filed.

HEATING AND VENTILATING ON ABOVE (indirect steam and plenum, oil burner).

Contractor...J. C. Hurley Co., 509 6th St., San Francisco.

Filed Aug. 25, '16. Dated Aug. 19, '16. Payments same as above.....

TOTAL COST, \$4367

Bond, \$2183.50. Surety, Massachusetts Bonding & Insurance Co. Limit, 140 days. Forfeit, \$10. Plans and specifications filed.

CLOCK SYSTEM ON ABOVE.

Contractor...Standard Electric Time Co., Sheldon Bldg., S. F.

Filed Aug. 25, '16. Dated Aug. 22, '16. Payments same as above.....

TOTAL COST, \$554

Bond, \$127. Surety, New Amsterdam Casualty Co. Limit, 140 days. Forfeit, \$10. Plans and specifications filed.

BORING WELL FOR WATER SUPPLY ON ABOVE.

Contractor...E. C. McCormick, Tracy, California.

Filed Aug. 25, '16. Dated Aug. 22, '16. Payment for each foot.....\$3.75

COST, @ \$3.75 per foot

Bond, \$500. Sureties, A. Grunauer and C. A. Slack. Limit, 60 days. Forfeit, \$10. Plans and specifications filed. First report on above Sept. 6, 1916

FRAME FLATS, ETC.

E GRANT ST., bet. Channel and Miner Ave., Stockton. All work for two-story frame (4) flats; remodel cottage and erect frame garage for four machines.

Owner.....Katherine and P. Prato Ranch, Stockton.

Architect...Ralph P. Morrill, 12-15 I O. O. F. Bldg., Stockton.

Contractor...J. B. Wolf, 1105 S-Commerce St., Stockton.

Filed Sept. 6, '16. Dated Sept. 5, '16. Rough frame up.....\$1500

Enclosed and roof ch.....1400

Rough plumbing and plastering completed.....800

Interior trim completed.....500

Usual 35 days.....1400

TOTAL COST, \$5600

Bond, \$2500. Sureties, Boscelli & Gould. Limit, 70 days. Forfeit, none. Plans and specifications filed.

SCHOOL

RIPON. All work except plumbing and heating for High School.

Owner.....Ripon School District, San Joaquin County, Cal.

Architect...W. H. Weeks, 75 Post St., San Francisco.

Contractor...John Madsen, Ripon, Cal. Filed Sept. 2, '16. Dated Aug. 25, '16.

As work progresses..... 75%
 Usual 33 days..... 35%
TOTAL COST, \$24,820
 Bond, \$12,410. Sureties, Karl A. Golshall
 and A. J. Nourse. Limit, 120 days.
 Forfeit, \$10. Plans and specifications
 filed.

PLUMBING ON ABOVE

Contractor..A. J. Nouse & Co.

Filed Sept. 2, '16. Dated Aug. 25, '16.

Payments same as above.....

TOTAL COST, \$2299
 Bond, \$1150. Sureties, Q. C. Hughes
 and A. R. Mogruder. Limit, 120 days.
 Forfeit, \$10 per day. Plans and speci-
 fications filed.

HEATING (STEAM COMPLETE) in-
direct on above.

Contractor..Scott Co., 243 Minna St.,
 San Francisco.

Filed Sept. 2, '16. Dated Aug. 25, '16.

Payments same as above.....

TOTAL COST, \$1990
 Bond, \$995. Surety, New Amsterdam
 Casualty Co. Limit, 140 days. Forfeit,
 \$10. Plans and specifications filed.

**LOS ANGELES AND SOUTHERN
CALIFORNIA**

BRIDGE—Steel. Cost not stated.
 San Bernardino, San Bernardino Co.,
 Cal. Engineer, County Surveyor, San
 Bernardino. Owners, San Bernardino
 County. Bids will be received by the
 Board of Supervisors up to 11 a. m.
 of September 25th for the construction
 of one 108-foot steel truss highway
 bridge across Timoteo Creek, known
 as the Barton Avenue bridge, in ac-
 cordance with plans and specifications
 on file at the office of the Board. Cer-
 tified check for 5 per cent required. L.
 R. Patty is the Clerk of the Board.

THEATRE—2 story and base, brick.
 \$25,000. South Pasadena, Los Angeles
 Co., Cal. Architect, E. J. Borkmeyer,
 Stimson Bldg., L. A. Owner, Edward
 N. Jarecki. Location, Fair Oaks ave-
 nue south Winagar, covering an area
 of 50 by 110 feet. Plans complete and
 work to be done by Day Labor.

Contracts Awarded.

BRIDGES—2 steel, \$20,200. San Ber-
 nardina, San Bernardino Co., Cal. En-
 gineer, County Surveyor, San Bernar-
 dino. Owners, San Bernardino County.
 Contractors, Mercereau Bridge and
 Construction Co., Pacific Electric Bldg.,
 L. A. Contract price, \$20,200.

SEWER SYSTEM—Concrete pipe,
 \$20,953.40. Chino, San Bernardino Co.,
 Cal. Engineer, City Engineer, Chino.
 Owners, City of Chino. Contractors, L.
 Fleming & Son, 105 North Park street,
 Pomona. Contract price, \$20,953.40.

STREET IMPROVEMENT — \$57,500
 Glendale, Los Angeles Co., Cal. En-
 gineer, City Engineer, Glendale. Own-
 ers, City of Glendale. Contractors,
 Rogers Bros., Hibernian Bldg., L. A.
 Contract price, \$57,500.

STREET IMPROVEMENT — \$20,000.
 Glendale, Los Angeles Co., Cal. En-
 gineer, City Engineer, Glendale. Own-
 ers, City of Glendale. Contractor, E.
 Schilling, 660 West Jefferson street, L.
 A. Contract price, \$20,000.

HIGHWAY CONSTRUCTION — \$10,-
 136.20. Riverside, Riverside Co., Cal.
 Engineer, County Surveyor, Riverside.
 Owners, Riverside County. Contrac-
 tors, Connors Construction Co., Higgins
 Bldg., L. A. Contract price, \$10,136.20.

DIRECT TO YOU**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries****ETC.****Sacramento Plumbing Supply Co.****Phone Main 993****515 J. St., Sacramento**

APARTMENT HOUSE—2 story and
 base, brick and steel. Cost not stated.
 Los Angeles, Cal. Architect, Arthur
 Heineman, San Fernando Bldg., L. A.
 Owner, William J. Donald. Contractor,
 H. S. Heineman, San Fernando Bldg.,
 L. A. Contract price not stated.

BRIDGE—Steel and reinforced con-
 crete, \$40,150. Santa Barbara, Santa
 Barbara Co., Cal. Engineers, Mayberry
 & Johnson, Pacific Electric Bldg., L. A.
 Owners, Santa Barbara County. Con-
 tractors, W. M. Ledbetter & Co., Pacific
 Electric Bldg., L. A. Contract price,
 \$40,150.

PORTLAND AND OREGON

STORES—2 story and base, brick,
 \$40,000. Enterprise, Ore. Architects,
 Tourtelotte & Hummel, Rothebild
 Bldg., Portland. Owners, E. M. & M.
 Co. Will cover an area of 100 by 100
 feet. Plans complete and figures be-
 ing taken.

SEATTLE AND WASHINGTON

SCHOOL—4 story and base, rein-
 forced concrete, \$179,850. Seattle, Wash.
 Architect, Edgar Blair, 901 7th avenue,
 Seattle. Owners, City of Seattle. The
 lowest bid submitted for this work
 was received from Scherrer & Carlson,
 111 Pine street, at \$179,850. They will
 probably be awarded the contract.

Contracts Awarded

HIGHWAY CONSTRUCTION — \$72,-
 600. Seattle, Wash. Engineer, County
 Surveyor, Seattle. Owners, King Coun-
 ty. Contractors, Sparger Concrete Co.,
 Colman Bldg., Seattle. Contract price
 \$72,600.

PUBLIC WORKS IN SALVADOR.

The town of Moncagua is to be sup-
 plied with water by hydraulic power

carrying 21,000 gallons in 24 hours a
 distance of 3,900 feet and to a height
 of 160 feet. Other towns installing
 water systems are San Miguel, Abua-
 chapán, Usulután, Sonsonate, and San
 Juan Nonualco. Electric lighting is
 being installed in Coatepeque and San
 Vicente, and acetylene lighting in
 Metapan and Chalatenango.

Concession for Soap Factory.

The Congress of Salvador has grant-
 ed to Fabrian Marciano Trigueros the
 exclusive right for five years to manu-
 facture the soaps known as Klamod and
 Black Balsam of Salvador. The con-
 cession, as published in the Diario
 Oficial of July 29, states that Mr. Tri-
 gueros is the inventor of these soaps,
 and the sole right to exploit them is
 granted as a protection to a new indus-
 try.

TOLL RECEIPTS OF PANAMA CANAL.

Including the earnings of tolls for the
 month of July, 1916, amounting to \$160,-
 123, the tolls collected on traffic passing
 through the Panama Canal from the be-
 ginning of the towing of laden barges
 between the terminal ports in May,
 1914, have amounted to \$7,217,956. Ac-
 cording to the August 16 issue of the
 Canal Record, the collections from ves-
 sels in the coastwise trade of the United
 States formed \$1,923,122 of this total.

Secretary T. I. Kawashima, of the
 Japanese Chamber of Commerce of San
 Francisco, is preparing to make a trip
 to Japan for a study of trade conditions
 and the possibilities of increased busi-
 ness between Japan and the United
 States. He will spend four or five
 months on the trip, sailing probably the
 latter part of September. He desires to
 receive suggestions from American
 business men.

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor
 what quantity of each you may need for immediate delivery, you can depend
 upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled
 with fair prices as our standard. We have the quantity and the variety on hand for
 immediate delivery.

If you do not deal with us, we both lose.

White Brothers**Fifth & Brannan Sts.****San Francisco**

MUNICIPAL WATER PLANT AT LINCOLN PAYS WELL.

LINCOLN (Placer Co.).—Municipal ownership of the local water system has proven a financial success.

The receipts from the system for the last fiscal year totaled \$6,552.29. Deducting expenses, a total of \$3,245.65 was left in the City Treasury as profit.

One-half of the bonds have been paid off, leaving a small indebtedness against the system.

Lincoln has over 400 water consumers. The system consists of six miles of mains. The plant is operated by gravity system, and has a strong force. At a recent fire in Lincoln five streams of water were used for one hour without affecting the pressure. The value of the system is about \$75,000. The system cost about \$47,000 when it was constructed in 1896.

CUBA.

[Consul Henry M. Wolcott, detailed as vice consul at Habana, July 28.]

Preparation of Shipping Documents

In view of the experience of several large importing firms in Habana recently it is considered advisable again to call the attention of exporters in the United States to the importance of careful and painstaking preparation of invoices and shipping documents accompanying export shipments.

In two instances lately an American firm in Habana has been required by the customs authorities to pay full duty at the general rate (instead of the reduced rate applicable to imports from the United States) because of failure to attach the certificate of origin of the merchandise to the consular invoice. It is also within the knowledge of this office that two other firms in Cuba are now experiencing difficulties with the customs authorities on account of blunders in the preparation of shipping documents.

These mistakes are invariably costly, and it seems poor economy on the part of our exporters to employ any but the most capable clerks for performing this work. It is suggested that it would be well to establish a check system on all documents covering foreign shipments, which will eliminate to the greatest degree possible the probability of error. This is important not only because it means a saving in customs duties and avoidance of fines and penalties, but because it also means satisfied customers and a continuance of trade in the future.

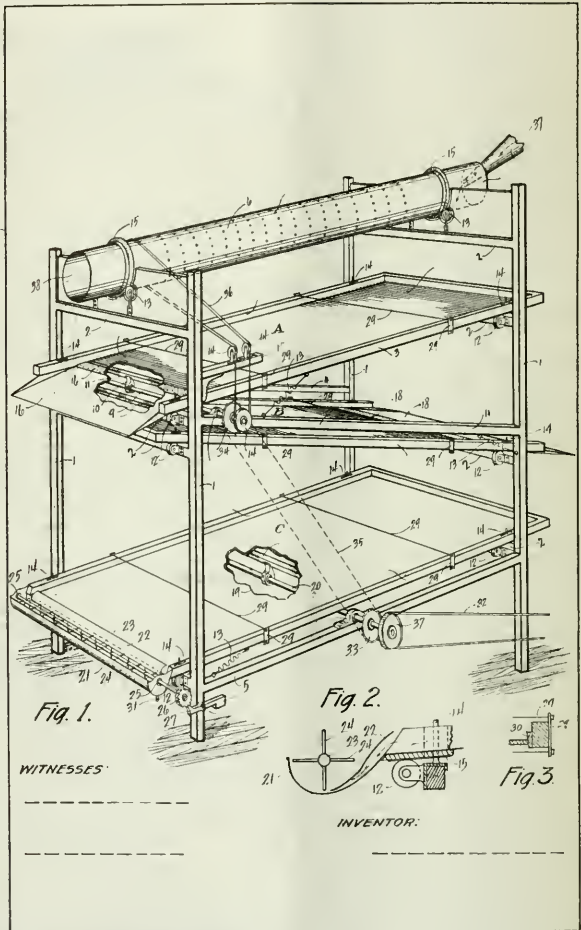
[Information regarding the proper preparation of consular invoices and certificates of origin is contained in Tariff Series No. 21 (Consular Regulations of Foreign Countries, Canada, and Latin America), copies of which are for sale at the district offices of the Bureau of Foreign and Domestic Commerce, or by the Superintendent of Documents, Washington, D. C., for 10 cents.]

CHANGE IN TITLE OF NAVAL RADIO SERVICE.

Hereafter the Naval Radio Service will be known as the "Naval Communication Service." Charges on all traffic exchanges between other systems (radio, telegraph, and cable) and

radio stations (ship and shore) operated by the Navy will be accounted for by the Naval Communication Service. In addition to his other duties, the Director of Naval Communication will perform the duties formerly assigned to the Superintendent of Naval Radio Service.

Correspondence relating to the Naval Communication Service should be addressed to the Director of Naval Communications, Radio, Va. Remittances should be made payable to the Naval Communication Service. If used, money orders should be drawn on postmaster, Washington, D. C.



WHAT I CLAIM IS.

Claim 1: A gold washing and saving machine comprising a main supporting frame, a screening rejecting and washing cylinder, rotatively mounted on top of same, diagonally reciprocative rifle boards below same adapted to catch the screenings from said cylinder and submit same to a further washing, settling and screening process, and by gravital descent deposit them on to a diagonally reciprocating silvered plate board below same, to which the gold, etc., adheres, depositing by gravity the heavier segregated matter into a trough containing quicksilver and agitating means for amalgamating and retaining the concentrated values

and allowing the dross to flow over into the tailings, and mechanical means for imparting motion to the said screening and settling mechanism substantially as described for the purpose specified.

Claim 2: A gold washing and saving machine of the character referred to and claimed in the preceding claim, and comprising vibrating rifles and silvered plate boards so mechanically disposed as to be actuated separately by a cam lift and gravital return motion, accelerated by spring tension at such displacements of 120 degrees of the cam shafts.

F. J. NEUMANN,
5356 Claremont Ave., Oakland.
Piedmont 4204.

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 38.

Publication Office,
560 Mission St.

San Francisco, Cal., September 20, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

PYROPHOR is a
Tool Steel which

is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy

A TOOL NOT A TOY



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,

San Francisco

Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

THE

Safe Deposit Vaults

of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2807
Oakland, Oakland 5841

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and Octavia

SAN FRANCISCO, CAL.



Kwy-eta is the closet to install whenever your customers ask for a silent closet. It eliminates those sounds they wish suppressed.

"Pacific"



Plumbing Fixtures

Main Offices and Showroom.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

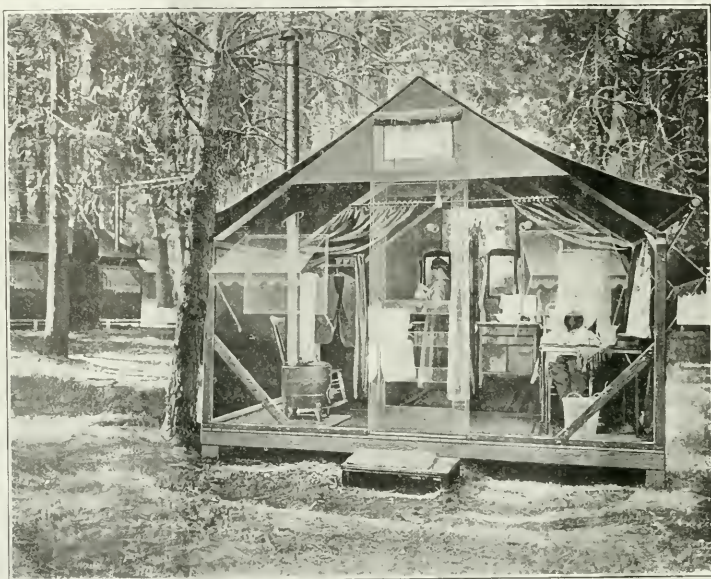
Factories,
RICHMOND,
CALIFORNIA

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4 -- \$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE . SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. September 20, 1916

Sixteenth Year, No. 38



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor,
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	1
Apartment Houses	4
Bonds	4
Bridges, Dams & Harbor Works	1-5
Churches	5
Factories and Warehouses	5
Fire Houses and Jails	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	24-25
Garages	5
Government Work and Supplies	5-6
Halls and Society Buildings	6
Hospitals	6
Hotels	6
Irrigation Projects	6
Libraries	6
Los Angeles and Southern California	25
Marin, Contra Costa and Sonoma Counties	24
Oakland and Alameda County	17-18-19-20-21-22-23
Portland and Oregon	27
Residences	6-7
Sacramento, Stockton and Northern California	25-26-27
San Francisco	10-11-12-13
.....	11-15-16-17
San Jose & Santa Clara Valley	23-24
Schools	7
Sealed Proposals	9
Seattle and Washington	27
Sewers and Street Work	15-9
Stores and Offices	9

KEEP HEALTHY.

What profiteth a man that he gain the whole world yet loose his health?

Naturalists say that long ago the prehistoric waters were infested with a species of enormous shark which finally became extinct by reason of the workings of its voracious appetite. Thus Nature eliminates the over-fed.

The desire for ease of life and plentiful diet is universal and is the great stimulus of man and animals alike. When man becomes greedy and takes more ease and food and drink than is his share, Nature discards him.

In the race for power and place, for ease of circumstances and relief from the stimulus of hunger, the modern man is apt to forget that unless he is careful of his body he will soon be made to suffer for the infraction of Nature's inexorable physical law. With the loss in body tone comes an equal loss in mental acuity and the brain which for a time was able to operate despite the complaints of an over-fed, under-exercised, self-poisoned body, stops working.

Scientists have discovered that the mortality rate of persons in the United States over 45 years of age is increasing. The strenuous life of today is not alone responsible for this. Lack of health-giving exercise, superfluity of diet, lack of restoring sleep over-stimulation, the high pressure of the race for power, wealth and position, plus physical neglect. These bring early decay. The goal is reached—wealth is amassed—honor, position and power are just being grasped when the apple of accomplishment turns to the ashes of dissolution. The brilliant mind becomes clouded, the steady hand is no longer accurate, the eye which once gazed fearlessly on the whole world is dimmed and it is not long before the final break up occurs. All of this was entirely preventable.

Other things being equal it is the man who leads the well-balanced life who lasts the longest, whose work to the end is uniformly the best, who neither over-works nor over-plays, neither over-eats, over-drinks, nor over-sleeps, who maintains a standard of simple healthful diet in moderation, who offsets mental work with physical recreation, who is as honest with his own body as he is with his own business. When success comes to such an one his physical and mental condition is such that he can enjoy in peace of mind and contentment of body the fruits of his labors.

The regulations of U. S. Public Health Service states: "It is the duty of officers to maintain their physical as well as their professional fitness. To this end they shall be allowed time for recreation and study whenever their official duties will permit." If the

Government regards it as essential that its sanitary experts shall be safeguarded in this way, is it not equally important to every citizen that he similarly maintain a high standard of physical integrity?

CRITICAL TIME FOR FOREST RANGERS.

Emphasizing the increase in the forest fire danger due to the opening of the hunting season, and pointing out that the fire period in California has now reached its most critical stage, a warning issued by District Forester Bullock urges the camping public to maintain extraordinary care with fire in the National Forests until the autumn rains decrease the risk of campfire and cigarette.

So far this season, it is said, the fire situation in the National Forests is well in hand, notwithstanding the fact that for California as a whole the season is a severe one, as evidenced by the fires now raging in the Santa Cruz Mountains and Sonoma Hills. Since the beginning of the year, 888 fires, burning over a total of 55,861 acres, have been reported by the Forest officers as against 731, burning over 22,086 acres, for the same period of 1915. Of the fires this season to date, lightning caused 291—all but 40 of which occurred during August. Railroads and lumbering operations are responsible for 82. The number for which the camper is held responsible has increased from 189 of last year to 223 for this season to date. This is said to be a small increase, considering that travel in the Forests has been three to four times greater than it was last year. In the opinion of Forest officers, the average camper is showing greater care with fire than ever before.

That the incendiary problem in the National Forests is in way of being solved is evidenced by the decrease of incendiary fires from 104 last year to 53 for this season to date. This decrease is thought to be due largely to co-operation between the Forest Service and mountain settlers in the burning of brush areas that in some localities constitute a menace to the settler's holdings and industries and yet do not afford watershed protection or possess timber values.

Of the 888 fires for the season on the National Forests, 416 have burned over less than a quarter of an acre each, 280 more than a quarter but less than 10 acres, and 182 over ten acres. The largest fire occurred on the Big Sur in the Monterey Forest where almost 19,000 acres were swept with flames. A fire of 8,000 acres occurred on the California National Forest. Fortunately not much timber was destroyed by either. Both fires are attributed to the carelessness of hunters or campers.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO. Apartment house, 1 story and base, frame, \$17,000. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner's name not given. Location, northeast 8th avenue and California street. Will contain six modern apartments of four rooms each with bath and sun porch. Basement garage. Plans complete and figures being taken.

PORTLAND, ORE. Apartment house, 3 story and base, brick and concrete, \$15,000. Architect, none. Owner, Carl Magnussen, Mgr. Belt & Dodge Products Co., Portland. Location, Nartilla and Stout streets. Will contain two, three and four room apartments. Plans complete and work to be done by Day Labor.

SAN FRANCISCO. Apartment house, 2 story and base, frame, \$8,000. Architect, Kenneth McDonald, Sr., Call-Post Bldg., S. F. Owner, C. J. Carter. Location, Lake street between 21st and 22nd avenues. Will contain two apartments of five rooms each. Basement garage. Plans complete and segregated figures being taken.

OAKLAND, CAL. Apartment house alteration, 2 story, frame, \$1,000. Architect, none. Owner, S. C. Kendall, 1410 Jackson street Oakland. Location, east Jackson street north 14th. Work will consist of altering a two-story dwelling into modern apartments. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. Apartment house 2 story and base, frame, \$7,500. Architect, none. Owner, Henry A. Dodge 1421 Broadway, Oakland. Location, east Broadway north 38th street. Will contain two and three room apartments. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL. Apartment house, 1 story and base. Class C. Cost not stated. Architect, George W. Eldredge, Consolidated Realty Bldg., Owner, D. W. Ferguson. Location, West-lake avenue near Sixth. Will cover an area of 50 by 110 feet. Plans complete and segregated figures being taken.

SEATTLE, WASH. Apartment house 3 story and base, brick and concrete \$25,000. Architect, F. H. Perkins, Lumber Exchange Bldg., Seattle. Owner, F. J. Teitzner. Location, 18th avenue North. Will cover an area of 40 by 30 feet and contain four six-room and two seven-room apartments. Plans complete and figures being taken.

BONDS

REDDING, SHASTA CO., CAL. The Redding Chamber of Commerce has appointed a committee to draft resolutions endorsing the \$15,000,000 highway bond issue to be voted on at the November election.

Attorney Francis Carr, Father Thomas J. Hayes and Walter H. Fink were the committee named.

DOS PALOS SCHOOL DISTRICT, FRESNO CO., CAL. The County Supervisors have approved the \$10,000 bond issue of the Dos Palos School District. The district lies partly in Fresno and Merced Counties and a similar approval must be given by the Merced Supervisors.

MODESTO, STANISLAUS CO., CAL. Another election will be held by the city of Modesto for the voting of bonds of \$135,000 for the erection of a high school building at H and Washington streets. The issue will also provide for furnishing the building.

SAN BERNARDINO, SAN BERNARDINO CO., CAL. A proposal to issue at least \$1,000,000 in bonds to improve the famous "101 miles on the rim of the world" road through the San Bernardino Mountains has been made to the San Bernardino Board of Supervisors by automobilists. A 9-foot wide pavement the entire circuit, with about 40 miles additional as connecting roads, is asked. To pay interest and principal on the bonds as well as take care of the highway upkeep a toll of \$2 for every automobile passing over it is suggested. This, it is declared, would be unnecessary in case of Federal or State aid for the mountain highway. The rim of the world circuit could be paved for about \$8,000 a mile engineers estimate.

BAKERSFIELD, KERN CO., CAL. Bids will be received by the County Supervisors up to October 2nd for the purchase of the \$20,000 bond issue of the Midway School District.

MERCED, MERCED CO., CAL. Bonds having been voted and sold the Trustees will shortly select an architect to design plans for the new high school building to cost \$150,000. A site for the structure has already been selected.

LONG BEACH, LOS ANGELES CO., CAL. An election will be held October 11 for the purpose of voting on a joint bond issue, involving \$850,000. Of this sum \$300,000 is to be used for the development and expansion of an inside passage of the Long Beach harbor connecting with Los Angeles harbor; \$500,000 for the construction of a horseshoe pier, spanning American and Pine avenues; and \$50,000 for the erection and maintenance of a city hospital on a city owned site.

SANTA BARBARA, SANTA BARBARA CO., CAL. Bids will be received by the Board of Supervisors up to 10 a. m. of September 28, 1916, for the sale of State Highway Bridge bonds in the sum of \$50,000. The funds will be used for the construction of a bridge over the Santa Ynez River.

SANTA ANA, ORANGE CO., CAL. An election will be held September 23 in the Olive and East Protection District for the purpose of voting on a proposed bond issue in the sum of \$31,000 for protection work in the district, including a dike.

PALO ALTO, SANTA CLARA CO., CAL. The Chamber of Commerce has endorsed the Santa Clara County bond issue for \$1,000,000 for a permanent system of good roads.

BRIDGES, DAMS AND HARBOR WORK

SAN JOSE, SANTA CLARA CO., CAL. Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on October 2nd at 11 a. m. for the construction of a reinforced concrete bridge on Montague road in Supervisor District No. 3. On the same date bids will also be opened for the construction of a reinforced concrete bridge on McKean road near Bowles place in Supervisor District No. 1.

MADERA, MADERA CO., CAL. Bridges, reinforced concrete. Cost as follows. Engineer, County Surveyor, Madera. Owners, Madera County. At the last meeting of the County Supervisors bids were received for the building of four bridges. They are the Bethel bridge over Upper Fine Gold Creek, a bridge over the North Fork of the San Joaquin River at the Pine road, one over Winkelman Creek at the Pines road and one over Berenda Slough. The bids were as follows: Ed Layne, Madera, Winkelman, \$935; Bethel, \$1393; Pine, \$1342, and Berenda, \$2170. J. P. Hurt, Berenda, \$2560; Winkelman, \$570; Bethel, \$1369, and Pines, \$745. Manning Bros., Fresno, Berenda, \$3,370. J. P. Hurt was given the contract for the Winkelman and Pines bridges. The Berenda Slough and Bethel bridge will be re-advertised, as the Board believed the bids were too high. If the bids are not lowered they will be built by Day Labor by the county.

REDDING, SHASTA CO., CAL. Bridges, 2, reinforced concrete. Cost not stated. Engineer, County Surveyor, Redding. Owners, Shasta County. Bids will be opened on October 2 at 2 p. m. for the construction of two reinforced concrete girder bridges over Griffith Gulch on the Anderson-Gilinda road.

OAKLAND, CAL. Bridges and culverts, reinforced concrete. Cost not stated. Engineer, County Surveyor, Oakland. Owners, Alameda County. The following figures were received by the Alameda County Board of Supervisors for the construction of a box culvert and for two reinforced concrete bridges to be erected in Eden Township. All bids were referred to the Committee of the Whole:

Palomares Road Bridge No. 1.—Unit prices were submitted as follows: (1) excavating, (2) excavating and fill, (3) concrete per cubic yard, (4) steel bars, (5) old bridge, (6) curb steel and (7) old macadam.

P. Mathieson—(1) 60c; (2) 60c; (3) \$10; (4) 7c; (5) \$10; (6) 30c; (7) 20c.

Edwall & Alfono—(1) \$1.14; (2) \$1.14; (3) \$12.96; (4) 6c; (5) \$125; (6) 27c; (7) 12c.

Western Construction Co.—(1) 80c; (2) 40c; (3) \$12; (4) 5½c; (5) \$50; (6) 40c; (7) 6c.

M. E. Fernandez—(1) 75c; (2) 25c; (3) \$9.30; (4) 5c; (5) \$25; (6) 35c; (7) 2c.

Tieslau Bros.—(1) 55c; (2) 35c; (3) \$16.20; (4) 6c; (5) \$50; (6) 40c; (7) 5c.

Thos. B. Russell—(1) 45c; (2) 30c; (3) \$9.30; (4) 5c; (5) \$50; (6) 40c; (7) 5c.

C. A. Bruce—(1) \$1; (2) 40c; (3) \$12; (4) 6c; (5) \$50; (6) 30c; (7) 10c.

Palomares Road Bridge No. 2.—The same unit prices were also called for on the construction of this bridge.

M. E. Fernandez—(1) \$75c; (2) 25c; (3) \$9.30; (4) 5c; (5) \$25; (6) 35c; (7) 2c.

C. A. Bruce—(1) \$10; (2) 50c; (3) \$12; (4) 5c; (5) \$50; (6) 20c; (7) 10c.

Thomas B. Russell—(1) 50c; (2) 35c; (3) \$10; (4) 5½c; (5) \$50; (6) 15c; (7) 5c.

Edwall & Alfono—(1) \$1.14; (2) \$1.14; (3) \$12.96; (4) 6c; (5) \$85; (6) 27c; (7) 12c.

Western Construction Co.—(1) 75c; (2) 40c; (3) \$12; (4) 5½c; (5) \$25; (6) 40c; (7) 3c.

Tieslau Bros.—(1) 65c; (2) 35c; (3) \$16.20; (4) 6c; (5) \$35; (6) 40c; (7) 5c.

P. Mathieson—(1) 60c; (2) 60c; (3) \$10; (4) 7c; (5) \$10; (6) 30c; (7) 20c.

Box Culverts.—Unit prices were asked for on this work as follows: (1) excavating, (2) road grading, (3) concrete per cubic yard, (4) steel bars, (5) temporary road, (6) curbs.

M. E. Fernandez—(1) 75c; (2) 25c; (3) \$9.30; (4) 5c; (5) \$15; (6) 35c.

Western Construction Co.—(1) 75c; (2) 40c; (3) \$12; (4) 5½c; (5) \$25; (6) 40c.

C. A. Bruce—(1) \$1; (2) 40c; (3) \$12; (4) 5½c; (5) \$30; (6) 30c.

Thos. B. Russell—(1) 50c; (2) 35c; (3) \$10.50; (4) 6c; (5) \$40; (6) 50c.

Tieslau Bros.—(1) 65c; (2) 35c; (3) \$16.20; (4) 6c; (5) \$35; (6) 40c.

Edwall & Alfono—(1) \$1.15; (2) \$1.14; (3) \$13.96; (4) 6c; (5) \$75; (6) 27c.

P. Mathieson—(1) 60c; (2) 60c; (3) C. A. Bruce—(1) \$10; (2) 40c; (3) \$12.

WILLOWS, GLENN CO., CAL.—Bridges, 7, reinforced concrete. Cost not stated. Engineers, Leonard & Day.

Rialto Bldg., S. F., and County Surveyor, Willows. Owners, Glenn County. Bids will be opened on October 3rd for the construction of four bridges designed by Leonard & Day and for three smaller structures designed by the County Surveyor.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Bids will be received by the Board of Supervisors up to 10 a. m. of September 25th for the construction of a reinforced concrete arch bridge across Caviota Creek at Station No. 104-00 in Sec. E, on the route of the State highway in the Fourth Road District. Plans and specifications on file at the office of the County Clerk, and may be obtained from the County Surveyor upon deposit of \$10, to be returned. Certified check for 10 per cent required. C. A. Hunt is the Clerk.

SAN DIEGO, SAN DIEGO CO., CAL.—Bridges, 6, reinforced concrete, \$25,000. Engineer, County Surveyor, San

Diego. Owners, San Diego County. Bids will be received by the Board of Supervisors up to October 14th for the construction of six bridges as follows: 40-foot combination truss bridge across Campo Creek at Campo; 26-foot wooden span with concrete foundations across Descanso Creek near Descanso; 250-foot pile trestle and one 50-foot across Sweetwater River at Bonita; 225-foot pile trestle over San Vicente Creek between Lakeside and Foster; 92-foot pile trestle in Green Valley north of Descanso.

Contracts Awarded.

REDWOOD CITY, SAN MATEO CO., CAL.—Bridge, reinforced concrete, \$1,418. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, A. Mattison, San Bruno. Contract price, \$4,418.

OROVILLE, BUTTE CO., CAL.—Bridge and fill, \$3,964 and \$2,380. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, E. D. Sharp, Gridley, concreting bridge floor. Contract price, \$3,964. Hewitt & Felch, Marysville, fill. Contract price, \$2,380.

VISALIA, TULARE CO., CAL.—Bridge, reinforced concrete, \$5,986. Engineer, County Surveyor, Visalia. Owners, Tulare County. Contractors, Parlier & reen, Tulare. Contract price, \$5,986.

EUREKA, HUMBOLDT CO., CAL.—Bridges, timber and reinforced concrete. Cost as follows. Engineer, County Surveyor, Eureka. Owners, Humboldt County. The County Supervisors at their last meeting awarded contracts for road and bridge improvements totaling \$16,626.75. W. F. Nottley was awarded the contract for constructing the Elk and Bridge Creek structures at \$3,549. Poland & Robinson were the successful bidders for building the highway bridge across the North Fork of the Mattole River near Petrolia. Their bid was \$4,385. The contract for the Jordan and Bear Creek jobs went to Mercer-Praser Co., First and G street, Eureka, on a bid of \$4,710. These two bridges and those across Elk and Bridge Creeks are on the State highway in Supervisorial District No. 2. Henry Padgett, Field Landing, was the successful bidder on the Lost Man's Creek contract, near Orick. Walter R. Hunter will construct a section of road in the Mattole Valley, having bid to do the work for \$600. On the Davis Creek bridge D. C. Farnell was the winner on a bid of \$790. The Rease Creek bridge will be built by H. Padgett on his bid of \$1,767.

CHURCHES

SAN JOSE, SANTA CLARA CO., CAL.—Church, 1 and 2 story and base, frame, \$35,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Church of the Five Wounds. Will contain a main auditorium seating 900 people and Sunday school rooms. Plans complete and work to be done by Day Labor under the direction of Frank Nevis, 591 Harrison street, Santa Clara.

MERCED, MERCED CO., CAL.—Church, 1 story and base, frame, \$20,000. Architects, Shea & Lofquist Bankers' Investment Bldg., S. F. Owners, La Merced de Dios. Location, 21st and L streets. Will contain main audi-

torium seating 300 people, Sunday school rooms and pastor's study. Plans complete and figures to be called for shortly.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Factory, 2 story and base, brick, \$33,000. Architect, W. H. Crim, Jr., 125 Kearny street, S. F. Owner, M. A. McLaughlin. Location, west 9th south Harrison, covering an area of 62½ by 185 feet. Plans complete and figures being taken.

SAN FRANCISCO—Warehouse, 2 story and base, Class C construction \$40,000. Architect, Sylvain Schnaittacher, 233 Post street, S. F. Owners, Raychester Co. Location, north Harrison near 5th. Will cover a considerable ground area. Plans complete and figures have been taken. Contract to be awarded at once.

FIRE HOUSES AND JAILS

BAKERSFIELD, KERN CO., CAL.—Jails, 2, 1 story, reinforced concrete. Cost not stated. Architect's name not given. Owners, Kern County. Bids will be opened on October 4th for two small jail buildings, one to be erected at Mojave and the other at Randsburg.

FLATS

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$5,000 each. Architect, none. Owner, William J. Keenan, 2 Atalaya Terrace, S. F. Location, north Grove west Masonic. Each building will contain two modern flats of five and six rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flat alteration, 2 story and base, frame, \$2,000. Architect, Albert Lapachet, 110 Sutter street, S. F. Owner's name not given. Location, Eddy near Buchanan. Work will consist of plastering, plumbing, painting and electric work. Plans being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, J. S. Purcell, 556 Presidio avenue, S. F. Location, east 15th avenue north Anza. Will contain two flats of five and six rooms and basement garage. Plans complete and work to be done by Day Labor.

GARAGES

SAN FRANCISCO—Garage, 1 story reinforced concrete. Cost not stated. Architect, Benj. G. McDougall, Sheldon Bldg., S. F. Owner, T. C. Kierulff. Location, Polk near Market. Designed for a commercial garage. Plans being prepared.

GOVERNMENT WORK & SUPPLIES

Ice-Making Plant at Pekin, China.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for constructing an ice-making and cold-storage plant for the U. S. Marine Barracks at Pekin, China:

Item 1, work, complete, delivered at Pekin; 2, do, in accordance with bidder's plan and specification; 3, price for service of supervising engineer for a period of 30 calendar days; 1, price per diem for service of supervising engineer for time in excess of 30 days.

The Arctic Ice Machine Co., 920 Mar-

ket avenue, Canton, O.—Item 1, \$5,189; 2, \$5,189; 3, \$90; 4, \$1.

The Vilter Mfg. Co., 879 Clinton street, Milwaukee, Wis., item 2, \$6,900; 3, \$1,500; 4, \$12.

Kroeschell Bros. Ice Machine Co. 472 W. Erie street, Chicago, Ill., item 2, \$4,536; 3, \$1,065; 4, \$8.50.

York Mfg. Co. York, Pa., item 1, \$5,400; 2, \$5,675; 3, \$1,100; 4, \$1.

Mare Island, Elevator.

The contract for installing an electric freight elevator at the navy yard, Mare Island, has been awarded to the Otis Elevator Company, of Washington, D. C., at \$1,590.

Fort Mason, Cal.

The first installment, \$387,000, has been allotted by the War Department for the construction of the new army post to be known as Fort McArthur near Los Angeles. The Constructing Quartermaster at Fort Mason will probably handle all work in connection with the new post as all preliminary plans have been prepared under the direction of that office. The final layout, as approved by the War Department, provides for a full four company artillery post and will consist of about forty buildings, road construction, sewer and water systems. It is expected that the work will be advertised shortly and that construction will be underway this year.

The Depot Quartermaster has moved into his new office at Wharf No. 1 at Fort Mason. Plans and estimated cost will shortly be submitted to Washington to finish up the local Army Supply Depot and to create a separate reservation for the same. About ten officers' quarters, a seven-story office and warehouse, covering an area of 200 by 200 feet, a machine shop, entrance gates and iron fences are included in the project.

The Government has purchased the railroad tracks in the Presidio Reservation from the Panama-Pacific Exposition Co. for \$6,209 and these will be connected with the present belt line railroad.

BENICIA, SOLANO CO., CAL.—Machine shop addition, 1 story, reinforced concrete, \$10,000. Engineers, Bureau of Yards and Docks, Washington, D. C. Owners, United States Government. Bids will be called for shortly for the construction of a one-story addition to the machine shop at Benicia. Further mention will be made of the work.

HOSPITALS

OAKLAND, CAL.—Hospital wards, 6, 1 story, frame, \$80,000. Architect, Henry H. Meyer Kohl Bldg., S. F. Owners, Alameda County. The Alameda Board of Supervisors has rejected all figures for the construction of six one-story frame buildings to be erected near Livermore as a county tuberculosis sanitarium. Lester H. Stock presented the lowest bid at \$121,338. The architect will revise the plans so that the work may be brought within the amount available, which is \$88,000.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Hospital buildings, 1, 3 story and 1, 1 story, concrete and brick. Cost not stated. Architect, Lyman Farwell, Story Bldg., L. A. Owners, San Bernardino County. Bids

will be opened on October 11th for this work. Administration building, 92 by 56 feet, and service building, 88 by 115 feet. Plans can be had from the architect or County Clerk.

Contracts Awarded

REDDING, SHASTA CO., CAL.—Hospital ward, 1 story, frame, \$1,000. Architect, none. Owners, Shasta County. Contractors W. H. Bolton and W. A. Rhyndress, Redding. Contract price, \$1,000.

PORTLAND, ORE.—Hospital wards, 2 and 3 story, brick, \$60,000. Architect, A. E. Doyle, Worcester Bldg., Portland. Owners, White Shield Home. Contractors, Muir & McClellan, Chamber of Commerce Bldg., Portland. Contract price, \$60,000.

SACRAMENTO, CAL.—Hospital wards, 2, 2 story and base, hollow tile, \$76,077. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento County. Contractor, William C. Keating, Forum Bldg., Sacramento. Contract price, \$76,077.

HOTELS

LOS ANGELES, CAL.—Hotel, 4 story and base. Class C construction, \$25,000. Architect, Edward Gray Taylor, Haas Bldg., L. A. Owner, Fred W. Siegel. Location, San Juan street between 7th and 8th street. Will contain 55 rooms and several baths. Plans complete and figures being taken.

IRRIGATION PROJECTS

SAN JOSE, SANTA CLARA CO., CAL.—Drainage ditch. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on October 2 at 11 a. m. for the construction of a drainage ditch in Supervisor Districts Nos. 4 and 5.

MERCED, MERCED CO., CAL.—Drainage ditches. Cost not stated. Engineer, County Surveyor, Merced. Owners, Merced County. One of the most important actions of the County Supervisors at their last meeting was the ordering of the construction of the drainage canal in Drainage District No. 2, which embraces Atwater and its environs. The plans and specifications for this work as prepared by the County Engineer were approved, and an order made requiring that official to proceed to make an estimate and assessment of the cost of the work. In the Drainage Improvement District No. 2 matter, the Board ordered work to be done. Plans and specifications were adopted and the County Surveyor ordered to make an estimate and assessment as to the work.

LIBRARIES

SACRAMENTO, CAL.—Library, 3 story and base. Class C construction, \$139,000. Architect, Loring P. Rixford, Sharon Bldg., S. F. Owners, City of Sacramento. Location, 9th and 1 Sts. Will contain main library, school department, work room and offices. Plans complete and figures being taken. Bids open on October 5th. Plans can be secured from the Clerk of the Library Commission at Sacramento or from the architect.

Contracts Awarded.

MADERA, MADERA CO., CAL.—Library, 1 story and base, brick, \$12,383. Architect's name not given. Owners, City of Madera. Contractor, Edward Layne, Madera. Contract price, \$12,383.

RESIDENCES

SAN FRANCISCO—Residences, 4, 1½ story and base, frame, \$1,800 each. Architect, none. Owner, Lazar Aydukovich, 1378 14th avenue, S. F. Location, east 26th avenue south Judah. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$3,000 each. Architect, none. Owner, Emil Nelson, 880 43rd avenue, S. F. Location, east 15th avenue south Balboa. Each dwelling will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence alteration, 2 story and base, frame, \$8,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owner, George Billings. Location, West Clay Park. Work will consist of exterior and interior plastering, hardwood floors and hardwood interior trim, plumbing, painting and electric work. Plans being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, C. W. Glantz, 1464 8th avenue, Oakland. Location, east 86th avenue north Holly. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, B. J. Butler, 332A 49th street, Oakland. Location, east Grant north Berkeley Way. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architects, M. L. and N. C. Newsom, 1748 Broadway, Oakland. Owner, J. T. Hinch. Location, Everett avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 2 story and base, frame, \$4,000 each. Architect, E. W. Cannon, Central Bank Bldg., Oakland. Owners, Bud Stewart and C. D. Rowllar. Location, Harwood avenue near Portsmouth. Each house will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Emma Colburn, 2370 East 28th street, Oakland. Location, southwest Maple and Delaware streets. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Ole Kolon, 3121 Bruce street, Oakland. Location, west Ransome avenue south Santa Rita street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RIPON, SAN JOAQUIN CO., CAL.—Residence, 1 story and base, frame, \$3,500. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner,

C. K. Bainbridge. Will contain six rooms, bath and sleeping porch. Plans being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—Bungalow and barn, 1 story, frame, \$2,000. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, Mrs. Clayborn. Will contain five rooms, bath and sleeping porch. Plans being prepared.

NEWMAN, STANISLAUS CO., CAL.—Residence, 1½ story and base, frame, \$6,000. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, William J. Burris, Cashier First National Bank, Newman. Will contain eight rooms, two baths and sleeping porches. Separate garage. Plans being prepared.

SAN FRANCISCO—Residences, 8, 2 story and base, frame, \$3,000 each. Architect, none. Owner C. S. Allred, 150 Onondago avenue, S. E. Location, east 24th avenue north Cabrillo. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$4,00 each. Architect, aWiter Volden, 760 Cole street, S. F. Owners, Thomas Volden & Son, 1015 Cole street, S. F. Location, east 19th avenue north California. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 1, 2 story and base, frame, \$5,00 each. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F. Location, west 28th avenue north California. Each dwelling will contain eight rooms, two baths and basement garage. Plans are complete and work will be done by Day Labor.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$2,500. Architect, none. Owners, Oscar Heyman & Bros., 742 Market street, S. F. Location, west 40th avenue south Cabrillo. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, H. C. Pfirang, 320 Forest street, Oakland. Location, east James north Clifton. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, A. H. Broad, 2117 Kittredge street, Berkeley. Location, 1931 McGee. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$3,000. Architect, none. Owner, George H. Johnson, 5457 Vicente street, Oakland. Location, west San Sebastian north Elsinor. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, H. A. Pleitner, 954 Fruitvale avenue, Oakland. Location, north Noble street east Seminary. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect,

none. Owner, R. C. Hillen, 450 Haight avenue, Alameda. Location, north Maine east Curran avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Glenn R. Bell, 1588 Franklin street, Oakland. Location, south 39th street west Market. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

Contracts Awarded.

LANKEIRSHIM, LOS ANGELES CO., CAL.—Residences, 2, 2 story and base, frame, \$32,000. Architect, A. B. Benton, 111 North Spring street, L. A. Owner, P. W. Blanchard, Contractors, William Flemming Co., 692 South Alvarado street, L. A. Contract price \$32,000.

SCHOOLS

SAN FRANCISCO—School addition, 2 story, frame, \$30,000. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened on September 25th for the construction of a two-story addition to the Mission High School. Plans can be secured from the City Department of Architecture.

ALAMEDA, ALAMEDA CO., CAL.—School, 2 story and base, brick and concrete, \$60,000. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. Revised plans have been completed and figures are to be opened on October 3rd for the construction of the Lincoln School. Plans can be secured from the architects or the Clerk of the Board of Education. Segregated figures are being taken.

UKIAH, MENDOCINO CO., CAL.—School, 1 story and base, brick or reinforced concrete, \$20,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Ukiah. Preliminary plans for the first unit of the proposed new school will be approved at the next meeting of the Board of Education. A \$60,000 building will be erected in units of three. Further mention will be made of this work.

PLACERVILLE, EL DORADO CO., CAL.—Schools, 2, 1 story and base, hollow tile, \$27,000 and \$3,000. Architects, N. W. Sexton & Co., Merchants National Bank Bldg., S. F. Owners, Placerville School District. All bids for the construction of these two buildings have been returned to the bidders unopened. This action was taken because the Board of Education believed that it was impossible to get the buildings under roof before the winter set in. New bids will be called for in the spring.

ALBANY, ALAMEDA CO., CAL.—School, 1 story, reinforced concrete, \$20,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Town of Albany. Revised plans being prepared. Work to be refigured. Bids open on September 28th.

Contracts Awarded

VISALIA, TULARE CO., CAL.—School, 2 story and base. Class C construction, \$17,000. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, City of Visalia. Contractor, T. B. Day, Woodlake, general construction,

\$30,294. Visalia Plumbing Co., heating and ventilating, \$4,000.

SEWERS, STREET WORK & WATER SYSTEMS

SACRAMENTO, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commission has awarded a contract to A. Teichert & Son, Ochsenr Bldg., Sacramento, for the following work: That Spafford avenue, from the south line of Madrone avenue to the north line of Cypress avenue, be improved by constructing concrete gutter, one concrete manhole, 6-inch, vitrified, iron stone sewer pipe drains; placing two cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

OAKLAND, CAL.—Street work. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on September 28th at 12 o'clock for street improvements authorized under the following resolutions: That cement sidewalks 6 feet wide, where cement or bitumen sidewalks do not already exist, be constructed on the sidewalks of Seminary avenue from the northeastern line of East 14th street to the southwest line of Foothill Boulevard.

That cement sidewalks 6 feet wide be constructed on the sidewalks of 15th avenue, from the northeast line of East 14th street to the south line of Bond street, where cement or bitumen sidewalks do not already exist.

HANFORD, KINGS CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Hanford. Owners, Kings County. At the last meeting of the Kings County Supervisors the board instructed the County Clerk to advertise for bids for the unit of highway running from the north terminus of Douy street to the Alcorn bridge, 6 miles north, and for a strip three miles east from this unit into the Excelsior District, a total of 9½ miles. The bids will be opened on October 2nd. Plans for this work may be had from the County Clerk.

TULARE, TULARE CO., CAL.—Street paving, etc. Cost as follows. Engineer, City Engineer, Tulare. Owners, City of Tulare. Two bids were received by the City Trustees for the paving of three streets in Tulare. The bids received were as follows: Clark & Henry Construction Co., Ochsenr Bldg., Sacramento—Grading, 1c; paving, 11.2c; gutters, 3c; curbs, 22c. Federal Construction Co., 323 Sharon Bldg., S. F.—Grading, ¼c; paving, \$11.5c; gutters, 29c; curbs, either 38c or 3.8c. The bids were referred to the City Engineer for report.

SACRAMENTO, CAL.—Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on October 9th at 2 p. m. for highway grading in Sonoma County between Cotati and Petaluma, a distance of about 3.6 miles.

SALINAS, MONTEREY CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Salinas. Owners, City of Salinas. The City Council has awarded contracts for street work as follows: To W. A. Dontanville, Salinas, for grading the roadway of that portion of Stone street from the north line of Central avenue to the south line of Market street, and constructing thereon a hydraulic cement concrete base with a two-course asphalt and screening surface, to the official grade, together with concrete curbs along both sides of the roadway; also for grading the roadway of that portion of Salinas street from the south line of Alisal street to the north line of San Luis street, and constructing thereon a hydraulic cement concrete base with a two-course asphalt and screening surface, to the official grade, together with concrete curbs along both sides of the roadway.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on September 26th for street work authorized under the following resolutions: That 21st street, from the north line of B street to the north line of J street, be improved by constructing concrete curb; concrete gutter; grading the space between the property line and curb; constructing concrete sidewalk; 6 and 8 inch, vitrified, ironstone sewer pipe drains; reconstructing two concrete manholes; constructing eleven concrete manholes complete; placing twenty-seven cast iron gutter drains with 6-inch, vitrified ironstone sewer pipe elbows attached; grading the roadway and constructing thereon an asphaltic concrete concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick.

That the alley between K and L Sts. from the east line of 14th street to the west line of 15th street, be improved by constructing one concrete catch basin; placing 6 linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catch basin to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 6 inches thick and a sheet asphalt wearing surface 1½ inches thick.

That the alley first north of First avenue in Oak Grove, from the manhole in place in Lower Stockton Road to a point 100 feet west from the center line of East avenue, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; three concrete manholes, placing 58 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer, and doing all necessary excavating and backfilling of trenches.

OROVILLE, BUTTE CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Oroville. Owners, Butte County. The County Supervisors have rejected all bids received for the construction of a road 3½ miles in length, which was to be constructed of waterbound macadam. Three bids were received, but all considered too high, and the work was ordered done under the supervision of Supervisor Holmes.

C. LUSA, COLUSA CO., CAL.—Road improvements. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. The County Supervisors have rejected all bids received for the construction of the earthwork on the portion of the county road extending from the town of Colusa to the town of Sycamore, and the work has been ordered done under the supervision of C. J. Wescott, Supervisor of the district.

SAN RAFAEL, MARIN CO., CAL.—Culverts and storm drains. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Bids will be opened on October 2nd for the construction of two reinforced concrete storm drains and seven concrete and corrugated iron culverts.

Contracts Awarded.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts for street improvements have been awarded under the following resolutions: That Arthur street, from 73rd avenue to Church street, as it exists between Arthur and Fresno streets, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, and paved with oil macadam. Awarded to A. H. Kopperud, 2030 High street, Oakland.

That 2nd street from Webster St. to Alice street, be graded, curbed with granite, guttered with brick gutters 14 inches wide, and paved with asphalt; also that four brick catch basins with cast iron tops be constructed in 2nd street, one in each quarter of the north halves of the crossings of Harrison and Alice Sts.; also that vitrified pipe conduits, having internal diameters of 10 inches be constructed. Catch basins awarded to Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That East 11th street, from 28th avenue to 29th avenue, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, and paved with oil macadam pavement; also a sewer having an internal diameter of 8 inches be constructed; a lamphole, Y branches having 5-inch openings, Y branches and lampholes shall be constructed of vitrified sewer pipe. Awarded to A. H. Kopperud, 2030 High street, Oakland.

That Fairfax avenue, from Frances street to Courtland avenue, be graded, curbed with redwood, guttered with concrete gutters 2 feet wide paved with oil macadam and sidewalked with cement sidewalks 6 feet wide. Awarded to Hutchinson Co., 13th and Franklin streets, Oakland.

SAN FRANCISCO.—Street improvements. Cost as follows. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contracts for street improvements have been awarded under the following resolutions: The improvement of Leroy Place from Sacramento street to its northern termination by the construction of granite curbs and vitrified brick pavement on the roadway thereof. Awarded to D. L. Bienfeld, Phelan Bldg., for \$947.67.

The improvement of Farallones St., between Plymouth and San Jose avenue, by grading to official line and grade. Awarded to Flinn & Treacy, 404 First National Bank Bldg., for \$4,757.40. The improvement of Capitol avenue,

from Ocean avenue to Lakeview avenue, including the crossings of Capitol avenue and De Montford avenue, Capitol avenue and Holloway avenue, and Capitol avenue and Grafton avenue; grading to official line and grade, concrete curbs; artificial stone sidewalks; catch basins; 10-inch, vitrified, salt-glazed, ironstone pipe sewer along the center line of De Montford avenue, between the east and center lines of Capitol avenue; by the construction of a 14-foot central strip of vitrified brick pavement between Grafton avenue and Lakeview avenue; constructing an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway thereof. Awarded to Ransome-Crummey Co., 1st National Bank Bldg., Oakland, for \$21,186.85.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on September 25th at 8 p. m. for street improvements authorized under the following resolution: That the alley between Bishop avenue and Crest avenue, from the center line of the alley running from Front avenue to Crest avenue, northeast, a distance of 250 feet, a portion of Bishop avenue and Front street, be improved by constructing 8, 12 and 6 inch, vitrified, salt-glazed sewer pipe, manholes of brick and concrete, lampholes of vitrified, salt-glazed sewer pipe, Y branches, vitrified, salt-glazed sewer pipe and risers of vitrified, salt-glazed sewer pipe with bends and tees with cast iron vents and covers, be constructed on said sewers.

The construction of sewers and appurtenances in Railroad avenue between San Bruno and Ingerson avenues. Awarded to The Tibbitts Pacific Co., 16 California street, for \$1,714.70.

The improvement of the westerly side of Leavenworth street between Union and Filbert streets by the construction of artificial stone sidewalks 6 feet wide where not already constructed at least 6 feet wide. Awarded to Thos. A. Clark, 68 Post street.

STOCKTON, SAN JOAQUIN CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. Clark & Henery Construction Co., 38 South Street street, Stockton, has been awarded the contract by the City Council for the following street work: The improvement of portions of Pine, Hazel, Locust, Hawthorne, McClellan avenue, Chestnut, Walnut and Maple, by grading, curbing and guttering; concrete sidewalks; paving the roadway with asphalt concrete 4 inches thick after rolling on a base of gravel of a cementing nature 2 inches thick after rolling.

RICHMOND CONTRA COSTA CO., CAL.—Street improvements. Cost as follows. Engineer, City Engineer, Richmond. Owners, City of Richmond. One street contract was withheld and two others awarded by the Council at its last meeting. J. E. Staniger, who submitted the low bid for the improvement of Contra Costa street, was not awarded the contract because he was not known by the Council. Staniger's bid was \$1,226.05. L. L. Page, 8th and

Bissell street, Richmond, was the other bidder for the work. His bid was \$1,886.32. S. C. Rogers, 401 Chanslor avenue, Richmond, was awarded the contract for improving one block on First street. His bid was \$2,863.36. Other bidders were G. W. Cushing, \$3,266.68; J. C. Staniger, \$3,464.58; L. L. Page, \$3,944.10. The contract for installing sewers in Pullman Park tract was awarded to Chambers & Healy, Bacon Bldg., Oakland. Their bid was \$2,030.50. Other bidders were J. F. Staniger, \$2,293.40; Raven & Co., \$2,140; L. L. Page, \$2,441. The bid of E. H. Ritchie was declared not valid it having no signature or date.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That S street, from Front street to 21st street, be improved by constructing concrete sidewalk on official line and grade where concrete sidewalk does not exist on official line and grade, and grading the space between the property line and curb. Awarded to L. Beancalana.

That T street, from Front street to 28th street, be improved by removing and disposing of all surplus and refuse material in the sidewalk area; constructing concrete sidewalk 8 feet wide and 2½ inches thick on official line and grade where concrete sidewalks do not exist on official line and grade, and grading the space between the property line and curb. Awarded to L. Beancalana.

That M street, from 30th to 31st St., be improved by grading the space between the property line and curb where concrete sidewalk does not exist on official line and grade. Awarded to A. Olsen, 2724 First avenue, Sacramento.

SAN RAFAEL, MARIN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Contractors, Blake Bros., Oakland Bank of Savings Bldg., Oakland. Contract price not stated.

STORES AND OFFICES

SAN FRANCISCO—Lofts, 7 story and base, reinforced concrete, \$100,000. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Langley & Michaels Co. Location, west First street between Market and Mission. Will cover an area of 10 by 167½ by 87½ feet. Plans complete. Grading awarded to Silby Grading and Teaming Co. Other figures to be called for at once.

SAN FRANCISCO—Stores, 1 story, frame, \$3,000. Architect, P. Righetti, Phelan Bldg., S. F. Owner, Paul Barbieri. Location, southwest Geary and 19th avenue, covering an area of 36 by 60 feet. Will contain two stores. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Department store, 6 story and base. Class A construction. Cost not stated. Architect, John Parkinson, Security Bldg., L. A. Owners, Arthur Fleming and R. C. Gillis, Los Angeles Investment Bldg., L. A. Location, southwest Broadway and Ninth. No details of the construction have been given out as yet. Fur-

ther mention will be made of the work when the preliminary plans have been completed.

Contracts Awarded.

TACOMA, WASH.—Stores, 3 story and base, brick, \$40,000. Architects, Heath & Gove, National Realty Bldg., Tacoma. Owners, Feist & Bachrach Location, 13th and Broadway, covering an area of 90 by 100 feet. Contractors, Knoell Bros., 1211 South L street, Tacoma. Contract price, \$40,000.

ENTERPRISE, ORE.—Stores and offices, 2 story and base, brick and concrete. Cost not stated. Architects, Tourtelotte & Hummel, Rothechild Bldg., Portland. Owner, S. D. Keltner. Contractor, John Oberg, Enterprise. Contract price not given.

SEALED PROPOSALS

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until 2 o'clock p. m., **October 10, 1916**, for the construction of canals and structures on the Flat-head project, Montana, involving about 165,000 cubic yards of excavation, 125 cubic yards of reinforced concrete, 1-100 square yards of paving, laying 1-100 linear feet of vitrified pipe, erecting 84,000 feet, b. m., of lumber, erecting 10,000 linear feet of steel flume and placing 35,000 pounds of structural and reinforcing steel. The work is located near St. Ignatius and Dixon, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or St. Ignatius, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR Q. M. SUPPLIES.

SAN FRANCISCO, No. 78—Office of the Depot Quartermaster, U. S. Army, Fort Mason, San Francisco, Cal.—Sealed proposals will be received here until **September 27, 1916**, under proposition No. 78 for furnishing 55 coal baskets, 60 dozen hacksaw blades, 81 ambulance bridges, 2,000 sheets Bristol board, 1,000 Bristol cards, 48 basin catches, 500 feet brass chain, 1,922 boxes paper clips, 1,000 counterpane, 200 pounds graphite, 12 grindstones, 700 pounds flat iron, 12 wagon jacks, 144 table knives, 11 saddlers' kits, 68 team lines, 30 hose nozzles, 630 cylindrical pads, 100 pie plates, 8 dozen pails, 500 parts for electric fan, 15 pounds brass pipe, 12 pitchforks, 50 racks, comb and brush, 250 pounds rivets and nuts, harness parts, 2,000 pounds white cotton waste, 50 folding tables, 36 water coolers, 110 quires emery emery cloth, 120 tin boilers, 12 hacksaw blades, 184 pairs ambulance harness hames, 18 blacksmiths' fullers and 500 pounds tool steel. For further information address JOHN T. KNIGHT, colonel, quartermaster corps, U. S. Army, depot quartermaster.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA (CIRCULAR 1679). Proposals for Kerosene and Gasoline. Annual estimate for the period ending June 30, 1917.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **October 9, September 23, 1916**, at which time they will be opened in public, for furnishing the above mentioned articles. Plans and general information relating to this circular (Cxo. 1679) may be obtained from this office or the office of the assistant purchasing agent, Fort Monroe, San Francisco, Cal., or from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL I. BROWN, major, corps of engineers, U. S. Army, general purchasing officer.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until 2 o'clock p. m., **September 20, 1916**, for the construction of canals and structures on the Flat-head project, Montana, involving about 125,000 cubic yards of excavation, 455 cubic yards of reinforced concrete, 1-100 square yards of paving, 10,100 square feet of canal lining, manufacturing and laying 3,400 linear feet of concrete pipe, laying 210 cubic yards of dry rubble wall and placing 70,000 pounds of structural and reinforcing steel. The work is located from 3 to 10 miles west of Ronan, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or St. Ignatius, Mont. MORRIS BIEN, acting director.

PROPOSALS FOR VALVES.

VALVES—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 p. m., **September 20, 1916**, for the construction of valves for the north tunnel of the Roosevelt Dam, Salt River project, Arizona. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo. A. P. Davis, chief engineer.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the **California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock p. m., on October 9, 1916**, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Sonoma County, on the road between Cotati and Willits from Highland Avenue to Willow Brook (IV-80n-1-C), about 3.6 miles in length, to be graded.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

CHARLES D. DARRINGTON,
NEWELL D. DARRINGTON,
CHARLES F. STERN,
California Highway Commission.
Geo. R. WINSTON,
1st Assistant Highway Engineer.
WILSON R. ELLIS,
Secretary. (*)

Dated: September 12, 1916.

The U. S. Public Health Service is the Nation's first line of defense against disease?

Disease is the Nation's greatest burden?

Sunlight and sanitation, not silks and satins, make better babies?

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

APARTMENT HOUSE—3 story and base, frame, \$17,000. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner's name not given. Location, northeast 8th avenue and California street. Will contain six modern apartments of four rooms each with bath and sun porch. Basement garage. Plans complete and figures being taken.

RESIDENCE ALTERATION 2 story and base, frame, \$8,000. San Francisco. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owner, George Billings. Location, West Clay Park. Work will consist of exterior and interior plastering, hardwood floors and hardwood interior trim, plumbing, painting and electric work. Plans being prepared.

RESIDENCES—1, 1½ story and base, frame, \$1,800 each. San Francisco. Architect, none. Owner, Lazar Aydukovich, 1378 46th avenue, S. F. Location, 26th avenue south Judah. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, Emil Nelson, 880 43rd avenue, S. F. Location, east 15th avenue south Balboa. Each dwelling will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE 2 story and base, frame, \$5,000. San Francisco. Architect, Kenneth McDonald Sr., Call Post Bldg., S. F. Owner, C. J. Carter. Location, Lake street between 21st and 22nd avenues. Will contain two apartments of five rooms each. Basement garage. Plans complete and segregated figures being taken.

RESIDENCES—8, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, C. S. Alred, 150 Onondago avenue, S. F. Location, east 24th avenue north Cabrillo. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$4,000 each. San Francisco. Architect, Walter Volden, 760 Cole street, S. F. Owners, Thomas Volden & Son, 1015 Cole street, S. F. Location, east 19th avenue north California. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 2 story and base, frame, \$5,000 each. San Francisco. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F. Location, 25th avenue north California. Each dwelling will contain eight rooms, two baths and basement garage. Plans are complete and work will be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$2,500. San Francisco. Architect, none. Owners, Oscar Heyman & Bro., 742 Market street, S. F. Location, west 4th avenue south Cabrillo. Will

contain five rooms and bath. Plans complete and work to be done by Day Labor.

FACTORY—2 story and base, brick, \$33,000. San Francisco. Architect, W. H. Crim, Jr., 425 Kearny street, S. F. Owner, M. A. McLaughlin. Location, west 9th south Harrison, covering an area of 62½ by 185 feet. Plans complete and figures being taken.

WAREHOUSE—2 story and base. Class C construction, \$40,000. San Francisco. Architect, Sylvain Schnaitacher, 233 Post street, S. F. Owners, Raychester Co. Location north Harrison near 5th. Will cover a considerable ground area. Plans complete and figures have been taken. Contract to be awarded at once.

FLATS—2, 2 story and base, frame, \$5,000 each. San Francisco. Architect, none. Owner, William J. Keenan, 2 Atalaya Terrace, S. F. Location, north Grove west Masonic. Each building will contain two modern flats of five and six rooms. Plans complete and work to be done by Day Labor.

FLAT ALTERATION—4 story and base, frame, \$2,000. San Francisco. Architect, Albert Lapachet, 110 Sutter street, S. F. Owner's name not given. Location, Eddy near Buchanan. Work will consist of plastering, plumbing, painting and electric work. Plans being prepared.

FLATS—2 story and base, frame, \$5,500. San Francisco. Architect, none. Owner, J. S. Purcell, 856 Presidio avenue, S. F. Location, east 19th avenue north Anza. Will contain two flats of five and six rooms and basement garage. Plans complete and work to be done by Day Labor.

SCHOOL ADDITION—2 story, frame, \$30,000. San Francisco. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened on September 25th for the construction of a two-story addition to the Mission High School. Plans can be secured from the City Department of Architecture.

LOFTS—7 story and base, reinforced concrete, \$100,000. San Francisco. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Langley & Michaels Co. Location, west First street between Market and Mission. Will cover an area of 40 by 167½ by 57½ feet. Plans complete. Grading awarded to Selby Grading and Teaming Co. Other figures to be called for at once.

STORES—1 story, frame, \$3,000. San Francisco. Architect, P. Righetti, Phelan Bldg., S. F. Owner, Paul Barbieri. Location, southwest Geary and 19th avenue, covering an area of 36 by 60 feet. Will contain two stores. Plans complete and work to be done by Day Labor.

GARAGE—1 story, reinforced concrete. Cost not stated. San Francisco. Architect, Benj. G. McDougall, Sheldon Bldg., S. F. Owner, T. C. Kierulff. Location, Polk near Market. Designed for a commercial garage. Plans being prepared.

Contracts Awarded.

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contracts for street improvements have been awarded under the following resolutions: The improvement of Leroy Place from Sacramento street to its northern termination by the construction of granite curbs and a vitrified brick pavement on the roadway thereof. Awarded to D. L. Binfield, Phelan Bldg., for \$947.67.

The improvement of Farallones St., between Plymouth and San Jose avenue, by grading to official line and grade. Awarded to Flinn & Treacy 104 First National Bank Bldg., for \$1,757.40.

The improvement of Capitol avenue, from Ocean avenue to Lakeview avenue, including the crossings of Capitol avenue and De Montford avenue; Capitol avenue and Holloway avenue, and Capitol avenue and Grafton avenue; grading to official line and grade, concrete curbs; artificial stone sidewalks; catch basins; 10-inch, vitrified, salt-glazed, ironstone pipe culverts; by the construction of an 8-inch, vitrified, salt-glazed ironstone pipe sewer along the center line of De Montford avenue, between the east and center lines of Capitol avenue; by the construction of a 14-foot strip of vitrified brick pavement between Grafton avenue and Lakeview avenue; constructing an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway thereof. Awarded to Ransome-Crummey Co., First National Bank Bldg., Oakland, for \$21,186.85.

The construction of sewers and appurtenances in Railroad avenue, between San Bruno and Ingerson avenues. Awarded to The Tibbitts Pacific Co., 16 California street, for \$4,714.70.

The improvement of the easterly side of Leavenworth street, between Union and Filbert streets, by the construction of artificial stone sidewalks 6 feet wide where not already constructed at least 6 feet wide. Awarded to Thomas A. Clark, 65 Post street, S. F.

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2647	French-Am Bk.	Petterson	500
2648	Prince	Petersen	1800
2649	Treadwall	Arnott	1900
2650	Kirk	Bovyer	450
2651	Homestead Rlty	Grahn	500
2652	Petry	Petry	4000
2653	Bacigalupi	Bacigalupi	1800
2654	Bibbero	Peterson	2404
2655	Rulfs	Fraser	1625
2656	Johnson	Johnson	2900
2657	Johnson	Johnson	2900
2658	Johnson	Johnson	5000
2659	Johnson	Johnson	5000
2660	White	Kleeman	1000
2661	Bothin	Frank	500
2662	Hoys	Malsler	600

2663	Nelson	Nelson	2500
2664	Nelson	Nelson	2500
2665	Flinn	Flinn	700
2666	Press Club	Pasqualetti	1000
2667	Hickman	Dewe	1000
2668	Hickman	Hickman	1750
2669	Kirchner	Cunco	2100
2670	O'Brien	Newsom	18900
2671	Otis	Mangrum	14975

2672	Guirard	Guirard	600
2673	Robinson	Healing	5000
2674	Graham	Graham	800
2675	Aydukovich	Owner	1800
2676	Same	Same	1800
2677	Same	Same	1800
2678	Same	Same	1800
2679	Nelson	Nelson	2900
2680	Same	Same	2900
2681	Same	Same	2900
2682	Same	Same	2900
2683	Arata	Trevia	6080

2684	Hannan	Salter	1000
2685	Graf	Graf	1850
2686	Swabeck	Anderson	1150
2687	Kupsiec	Kupsiec	500
2688	Guardino	Bonaccorso	700
2689	Baumgarten	Mkt St Mill	400
2690	Chroecich	Stojis	1750
2691	Somers	Byron	900
2692	Marce	Ward	400
2693	Keenan	Keenan	5000
2694	Same	Same	5000
2695	Chiosso	Sorbi	1500
2696	O'Brien	Pfanz	16377
2697	Meyer	Nelson	2900
2698	Meyer	Nelson	2320
2699	Macowsky	Nelson	2320

2700	Kenney	Smith	1000
2701	Kehoe	Clark	400
2702	Donovan	Adams	1600
2703	Tiscornia	Tiscornia	1900
2704	Purcell	Purcell	3250
2705	Heyman	Heyman	2500
2706	Allen	Allen	5000
2707	Allen	Allen	5000
2708	Allen	Allen	5000
2709	Allen	Allen	5000
2710	McMenamin	Ahl	4986
2711	St. Francis Hspit.	Vulcan	5850
2712	Mkt St. Rity.	Dean	8600
2713	Maron	Merz	1264
2714	Kovatz	Alsko	2250
2715	Faller	Wengard	2115

2716	Vodden	Vodden	4000
2717	Vodden	Vodden	4000
2718	Alfred	Alfred	3000
2719	Same	Same	3000
2720	Same	Same	3000
2721	Same	Same	3000
2722	Same	Same	3000
2723	Same	Same	3000
2724	Same	Same	3000
2725	Same	Same	3000
2726	Meir	Meir	500
2727	Bacard	Ostender	900
2728	Lazaromano	Chlappe	400
2729	Stewart	Stewart	2140
2730	Valente	Zinkand	1900
2731	Arnott	Arnott	3700
2732	Langley	Sibley	3600
2733	Martinelli	Ferroni	3600

ALTERATIONS

(2647) NO. 108 SUTTER. Alter partitions in bank.
Owner.....French-American Bank of Savings, Premises.
Architect...None.
Contractor..Pettersen & Persson, 62 Post, San Francisco.
COST, \$500

REPAIRS

(2648) E GUERRERO 64 S 15th. Repair fire damage to flats.
Owner.....E. Prince, Clark Hotel, San Francisco.
Architect...None.
Contractor..Einar Petersen, 3530 23rd, San Francisco.
COST, \$1800

FRAME DWELLING

(2649) E THIRTY-SECOND AVE 15c S Taraval. One and one-half-story and basement frame dwelling.
Owner.....Laura O. Treadwell, 1308 6th Ave., San Francisco.
Architect...None.
Contractor..Jas. Arnott & Son, 517 Noe, San Francisco.
COST, \$1900

ADDITION
(2650) NO. 2412 PINE. Add sleeping porch.

Owner.....Jas. Kirk, Premises.
Architect...None.
Contractor..Boyer & Sons, 2407 California, San Francisco.
COST, \$450

ALTERATIONS

(2651) SW SILVER AND BERLIN. New front for store.
Owner.....Homestead Realty Co., 202 Mutual Bank Bldg., S. F.
Architect...None.
Contractor..Wm. H. Grahm, 2840 Bryant, San Francisco.
COST, \$500

ALTERATIONS

(2652) NE PAGE AND SCOTT. Alter three-story frame flats into 6 apartments each with bath.
Owner.....A. Petry, 336 Pierce, S. F.
Architect...None.
Day's work. COST, \$4000

FRAME FLATS

(2653) S TELEGRAPH 107-6 W Kearny. Two-story and basement frame (2) flats.
Owner.....James Baegalupi, 428 Greenwich, San Francisco.
Architect...Paul De Martini, 2123 Powell, San Francisco.
Day's work. COST, \$1800

FRAME FLATS

(2654) S PACIFIC AVE 165 E Baker E 27-6xS 127-8 1/4. Sewering, plumbing, gas fitting, vacuum cleaning piping, etc., for two-story frame flats.
Owner.....David Bibhero, 2961 Pacific Ave., San Francisco.
Architect...Bernard J. Joseph, New Call Bldg., San Francisco.
Contractor..Peterson-James Co., 710 Larkin, San Francisco.
Filed Sept. 8, '16. Dated Sept. 5, '16.
Roughing in completed.....\$ 803
Completed and accepted.....1000
Usual 35 days.....601
TOTAL COST, \$2404
Bond, \$1202. Surety, New Amsterdam Casualty Co. Limit, 50 days. Forfeit, \$10. Plans and specifications filed.

LATH AND PLASTER

(2655) W LEAVENWORTH 77-10 N Sutter N 37-6xW 90-6. All work for lathing and plastering (including ornamental, etc.) for four-story and basement Class "C" building.
Owner.....Anton Rulfs.
Architect...Falch & Knoll, Hearst Bldg., San Francisco.
Contractor..Simon Fraser, 3873 20th, San Francisco.
Filed Sept. 8, '16. Dated Sept. 7, '16.
Lathing and brown coating completed.....\$800
Lath and plaster completed and accepted.....418
Usual 35 days.....407
TOTAL COST, \$1625
Bond, none. Limit, rapidly as possible. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(2658) E SEVENTEENTH AVE 178-11 N Clement. Two-story and basement frame (2) flats.
Owner.....J. Johnson, 150 17th Ave., San Francisco.
Architect...None.
Day's work.

FRAME FLATS
(2659) E SEVENTEENTH AVE 203-11 N Clement. Two-story and basement frame (2) flats.
Owner.....J. Johnson, 150 17th Ave., San Francisco.
Architect...None.
Day's work. COST, \$5000

ALTERATIONS

(2660) No. 36 ADAIR. Alter and add to dwelling.
Owner.....Mrs. Louise White, Prem.
Designer...Wm. Kleeman, 188 Page, San Francisco.
Contractor..Wm. Kleeman, 188 Page, San Francisco.
COST, \$1000

PLASTER FRONT

(2661) NOS. 63-73 MINNA Plaster front.
Owner.....Bothin Real Estate Co.
Architect...None.
Contractor..Carl Frank, 305 Bocana, San Francisco.
COST, \$500

ALTERATIONS

(2662) NO. 2686 MISSION. Alter front etc.
Owner....."Hoyts," Larkin & Eddy, San Francisco.
Architect...None.
Contractor..Ben Maisler, 777 Ellis, San Francisco.
COST, \$600

FRAME DWELLING

(2663) W TWENTY-SEVENTH AVE 100 S Lincoln Way. One and one-half-story and basement frame dwlg
Owner.....E. Nelson, 2701 Lincoln Way, San Francisco.
Architect...None.
Day's work. COST, \$2500

FRAME DWELLING

(2664) W TWENTY-NINTH AVE 233 N Irving. One and one-half-story and basement frame dwelling.
Owner.....E. Nelson, 2701 Lincoln Way, San Francisco.
Architect...None.
Day's work. COST, \$2500

CONCRETE FOUNDATION

(2665) NW DUBOCE & DIVISADERO. Concrete foundation.
Owner.....Jas. J. Flinn, Care Architect.
Architect...O'Brien Bros., Inc., 240 Montgomery, S. F.
Day's work. COST, \$700

CEMENT FLOOR

(2666) SW POWELL AND SUTTER. Cement floor.
Owner.....Press Club, Premises.
Architect...None.
Contractor..J. Pasqualetti, 785 Market San Francisco.
COST, \$400

FRAME DWELLING

(2667) W GERARD 175 N Woolsey. One-story and basement frame dwlg.
Owner.....Mrs. A. Severson, 117 Bacon, San Francisco.
Architect...None.
Contractor..Wm. Dewe, 600 Gerard, San Francisco.
COST, \$1000

FRAME DWELLING

COST, \$5000 (2668) E THIRTY-FIRST AVE 100 N

Ulloa. One-story and basement frame dwelling.
Owner.....Le Roy Hickman, 82 Endicott Park, San Francisco.
Architect...None.
Day's work. COST, \$1750

FRAME DWELLING
(2669) E TWENTIETH AVE 50 N Judah N 25x100. All work for one and one-half-story and basement frame building.
Owner.....Fred Kirchner, 473-A Frederick, San Francisco.
Architect...None.
Contractor...Cunco Bros., 152 Tiffany Ave., San Francisco.

Filed Sept. 11, '16. Dated Aug. 29, '16.
Rough frame up.....\$775
Brown coated.....775
Completed and accepted.....775
Usual 35 days.....775

TOTAL COST, \$3100

Bond, \$1550. Sureties, Jos. Cunco and Victor Massoni. Limit, 60 days after Sept. 1. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
(2670) SE BROADWAY AND GOUGH S 102-6XE 22-11. All work for two-story basement and attic frame residence.

Owner.....J. M. O'Brien, 1st National Bank Bldg., S. F.
Architect...Will H. Toepeke, 46 Kearny, San Francisco.
Contractor...Newsom & Henning, Sharon Bldg., San Francisco.

Filed Sept. 11, '16. Dated Sept. 7, '16.
Entire frame up and roof and walls sheathed.....\$3000
Outside finish in and 1st coat of plaster on inside and outside.. 3000
Plastering completed, sashes set and jambs in place.....3750
Completed and accepted.....4431
Usual 35 days.....4728

TOTAL COST, \$18,909

Bond, \$9500. Sureties, Elmer Carlson and C. S. Laumeister. Limit, 110 days. Forfeit, \$20. Plans and specifications filed.

KITCHEN EQUIPMENT, ETC.
(2671) NO. 1231 MARKET. All work for kitchen equipment, fuel oil equipment, ventilation, etc., kitchen range hood, fans, iron, stack, etc., for Hotel Whitcomb.

Owner.....James Otis, Trustee, 310 California, San Francisco.
Architect...Wright & Rushforth, 334 Pine, San Francisco.
Contractor...Mangrum & Otter, 561 Mission, San Francisco.

Filed Sept. 11, '16. Dated Sept. 7, '16.
75% of work executed on 25th of each month, payable on 1st of each month.....25%

Usual 35 days.....25%

TOTAL COST, \$14,975

Bond, \$7489. Surety, United States Fidelity & Guaranty Co. Limit, Nov. 1, 1916. Forfeit, \$50. Plans and specifications filed.

FRAME DWELLING
(2656) E TWENTY-SECOND AVE 25 S Clement. Two-story and basement frame dwelling.
Owner.....Johnson & Johnson, 844 14th, San Francisco.
Architect...None.
Day's work. COST, \$2900

FRAME DWELLING
(2657) E TWENTY-SECOND AVE 50 S Clement. Two-story and basement frame dwelling.
Owner.....Johnson & Johnson, 844 14th, San Francisco.
Architect...None.
Day's work. COST, \$2900

ADDITION
(2672) NO. 428 TWENTY-SEVENTH AVE. Addition to dwelling.
Owner.....Maxine C. Guirard, Prem.
Architect...None.
Day's work. COST, \$600

ALTERATIONS
(2673) NO. 320 MAPLE. Erect porch and minor changes.
Owner.....M. Robinson, 67 Jordan Ave., San Francisco.
Architect...None.
Contractor...Geo. Healing, 110 Jessie, San Francisco.
COST, \$500

ADDITION
(2674) E NINTH AVE 200 N California. Add porch, etc., for dwelling.
Owner.....David Graham, 127 9th Ave., San Francisco.
Architect...None.
Day's work. COST, \$800

FRAME RESIDENCE
(2675) E TWENTY-SIXTH AVE 250 S Judah. One and one-half-story and basement frame residence.
Owner.....Lazar Aydukovich, 1378 46th Ave., San Francisco.
Architect...None.
Day's work. COST, \$1800

FRAME RESIDENCE
(2676) E TWENTY-SIXTH AVE 275 S Judah. One and one-half-story and basement frame residence.
Owner.....Lazar Aydukovich, 1378 46th Ave., San Francisco.
Architect...None.
Day's work. COST, \$1500

FRAME RESIDENCE
(2677) E TWENTY-SIXTH AVE 300 S Judah. One and one-half-story and basement frame residence.
Owner.....Lazar Aydukovich, 1378 46th Ave., San Francisco.
Architect...None.
Day's work. COST, \$1800

FRAME RESIDENCE
(2678) E TWENTY-SIXTH AVE 225 S Judah. One and one-half-story and basement frame residence.
Owner.....Lazar Aydukovich, 1378 46th Ave., San Francisco.
Architect...None.
Day's work. COST, \$1800

FRAME RESIDENCE
(2679) E FIFTEENTH AVE 26-10 S Balboa. Two-story and basement frame residence.
Owner.....Emil Nelson, 880 43d Ave., San Francisco.
Architect...None.
Day's work. COST, \$2900

(2680) E FIFTEENTH AVE 51-10 S Balboa. Two-story and basement frame residence.
Owner.....Emil Nelson, 880 43d Ave., San Francisco.
Architect...None.
Day's work. COST, \$2900

FRAME RESIDENCE
(2681) E FIFTEENTH AVE 76-10 S Balboa. Two-story and basement frame residence.
Owner.....Emil Nelson, 880 43d Ave., San Francisco.
Architect...None.
Day's work. COST, \$2900

FRAME RESIDENCE
(2682) E FIFTEENTH AVE 101-10 S Balboa. Two-story and basement frame residence.
Owner.....Emil Nelson, 880 43d Ave., San Francisco.
Architect...None.
Day's work. COST, \$2900

CONCRETE GARAGE
(2683) N PACIFIC 106 W Grant Ave W 36 N 137-6 E 36 S 12 W 20 S 65-6. All work for one-story reinforced concrete garage.
Owner.....Paolo Arata, 1125 Clay, San Francisco.
Architect...Chas. Fantoni, 916 Kearny, San Francisco.
Contractor...G. Trevia and G. B. Pasqualetti, 32 Harwood Place, San Francisco.

Filed Sept. 12, '16. Dated Sept. 11, '16.
Concrete poured to top level of tie beams and building ready to receive trusses.....\$1520
Roofed.....1520
Completed and accepted.....1520
Usual 35 days.....1520

TOTAL COST, \$6080

Bond, \$3040. Sureties, O. V. Garassino and D. Trevia. Limit, 50 days from filing. Forfeit, \$2. Plans and specifications filed.

ALTERATIONS
(2684) NW DUBOCE AND VALENCIA. Alter grocery store.
Owner.....J. J. Hannan, 606½ Elizabeth, San Francisco.
Architect...None.
Contractor...C. A. Salter, 170 Duboce Ave., San Francisco.
COST, \$1000

FRAME DWELLING
(2685) W CURTIS 175 N Morse. One-story and basement frame dwelling.
Owner.....O. F. Graf, 1375 Stevenson, San Francisco.
Architect...None.
Day's work. COST, \$1850

ALTERATIONS
(2686) NO. 63 ARLINGTON. Raise and alter dwelling.
Owner.....John Svabek, Premises.
Architect...None.
Contractor...J. M. Anderson, 1612 Pacific San Francisco.
COST, \$1150

FRAME DWELLING
(2687) E DUBLIN 75 S Russia. One-story and basement frame dwelling.
Owner.....John Kupiec, 429 Brazil, San Francisco.
Architect...None.
Day's work. COST, \$500

REPAIRS
(2688) W ALABAMA 150 S Precita. Repair flats.
Owner.....Filipo Guardino, 1642 Alabama, San Francisco.
Architect...None.
Contractor...F. Bonaccorso, 70 Manchester, San Francisco.
COST, \$700

Contractors all over the country are moving more material in less time and at a smaller expense with
FOUR WHEEL DRIVE TRUCKS
than with any other method of transportation.

Consider what power on all four wheels would mean for you in your business.

Large Contractors and corporations the world over are finding that power on all four wheels results definitely and decisively in:--

100 per cent saving in cost of tires.

Greater durability to every wearing part.

Allows equal distribution of load, thus

Eliminating undue strain on any one part.

Enormous saving in cost of up-keep.

More mileage per gallon of gasoline and oil.

DEPENDABLE SERVICE - no idle days waiting for repairs.

Remember that every F. W. D. Truck built in the past seven years is working to-day, and they are performing harder and more persistent service at a given cost than any other truck built to-day.

You owe it to yourself to investigate the F. W. D. truck.

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

ALTERATIONS

(2688) NO. 1495 ELLIS. Alter restaurant.
Owner.....Baumgarten Bros., Prem.
Architect...None.
Contractor...Market Street Mill Co.,
2025 Market, San Francisco
COST, \$400

BOARDING HOUSE

(2690) S LELAND 105-11 W Desmond.
Two-story frame boarding house.
Owner.....Lucka Church, 71 Leland
Ave., San Francisco.
Architect...A. J. Barnett, 77 College,
San Francisco.
Contractor...Mike Stojis, 71 Leland Ave
San Francisco.
COST, \$1750

(2696) S BUSH 137-6 E Mason E 15-10
XS 137-6. Carpentry, joinery, com-
polute flooring, rough hardware and
glazing for four-story and basement
Class "C" apartment house.
Owner.....O'Brien Bros., Inc., 240
Montgomery, San Francisco
Architect...O'Brien Bros., Inc., 240
Montgomery, S. F.
Contractor...Val Franz & Son, 150 Jes-
sie, San Francisco.
Filed Sept. 13, '16. Dated Sept. 7, '16.
Building roofed\$4094.25
Building plastered 4094.25
Completed and accepted..... 4094.25
Usual 35 days..... 4094.25
TOTAL COST, \$16,377.00
Bond, \$5,000 in favor of E. W. Lich.
Sureties, Val Franz Sr. and Val Franz
Jr. Limit, 150 days. Forfeit, none.
Plans and specifications filed.

ALTERATIONS

(2691) NO. 2662 VALLEJO. Alter and
change dwelling.
Owner.....Geo. B. Somers, Premises.
Architect...Clarence Tantau, 519 Califor-
nia, San Francisco.
Contractor...E. J. Brown, 438 Lawton,
San Francisco.
COST, \$900

ALTERATIONS

(2692) NO. 18 GEARY. Alter store
front.
Owner.....Thos. Magee & Sons, 5
Montgomery, S. F.
Architect...None.
Contractor...Ward & Goodwin, 110 Jes-
sie, San Francisco.
COST, \$400

FRAME FLATS

(2693) N GROVE 110 W Masonic Ave.
Two-story and basement frame flats.
Owner.....Wm. J. Keenan, 2 Atalaya
Terrace, San Francisco.
Architect...None.
Day's work.....COST, \$5000

FRAME FLATS

(2694) N GROVE 90 W Masonic Ave.
Two-story and basement frame flats.
Owner.....Wm. J. Keenan, 2 Atalaya
Terrace, San Francisco.
Architect...None.
Day's work.....COST, \$5000

FRAME DWELLING

(2695) W OAKWOOD 232 S 14th. One
and one-half-story and basement
frame dwelling.
Owner.....Rinaldo Chiosso, 37 Oak-
wood, San Francisco.
Architect...None.
Contractor...Aurelio Sorbi, 353 Edin-
burgh, San Francisco.
COST, \$1500

FRAME RESIDENCE

(2697) E FORTY-THIRD AVE 75 S
Cabrillo S 25xE 95. All work for two
story frame residence (frame of
which has been erected).
Owner.....Benno Meyer.
Architect...None.
Contractor...Emil Nelson, 880 43rd Ave.,
San Francisco.
Filed Sept. 13, '16. Dated Sept. —, '16.
Roof on & plastering finished.....\$666.66
Completed and accepted..... 666.66
Usual 35 days..... 666.66
TOTAL COST, \$2000.00
Bond, none. Limit, 75 days. Forfeit,
none. Plans and specifications filed.

FRAME RESIDENCE

(2698) E FORTY-THIRD AVE 50 S
Cabrillo S 25xE 95. All work for two
story frame residence (frame of
which has been erected).
Owner.....Benno Meyer.
Architect...None.
Contractor...Emil Nelson, 880 43rd Ave.,
San Francisco.
Filed Sept. 13, '16. Dated Sept. 13, '16.
Roof on & plastering finished.....\$773.33
Completed and accepted..... 773.33
Usual 35 days..... 773.33
TOTAL COST, \$2320.00
Bond, \$1160. Surety, Massachusetts
Bonding & Insurance Co. Limit, 75
days. Forfeit, none. Plans and spec-
ifications filed.

FRAME RESIDENCE

(2699) E FORTY-THIRD AVE 25 S
Cabrillo S 25xE 95. All work for two
story frame residence (frame of
which has been erected).
Owner.....Gertrude Macowsky.
Architect...None.
Contractor...Emil Nelson, 880 43rd Ave.,
San Francisco.
Filed Sept. 13, '16. Dated Sept. —, '16.
Roof on & plastering finished.....\$773.33
Completed and accepted..... 773.33
Usual 35 days..... 773.33
TOTAL COST, \$2320.00
Bond, \$1160. Surety, Massachusetts
Bonding & Insurance Co. Limit, 75
days. Forfeit, none. Plans and spec-
ifications filed.

ALTERATIONS

(2700) NO. 768 ELEVENTH AVE. Alter
and add to dwelling.
Owner.....Frank A. Kenney, Prem.
Architect...None.
Contractor...W. H. Smith, 428 Colling-
wood, San Francisco.
COST, \$1000

ADDITION

(2701) NO. 1014 ALABAMA. Add to
dwelling.
Owner.....Robert Kehoe, 2850 22nd,
San Francisco.
Contractor...Jas. Clark, 651 London,
San Francisco.
COST, \$400

ALTERATIONS

(2702) NOS. 603-603½ SHOTWELL.
Alter flats.
Owner.....Mary Donovan, Premises.
Architect...None.
Contractor...Adams & Arras, 65 Hoff
Ave., San Francisco.
COST, \$1600

FRAME DWELLING

(2703) W TWENTY-FIFTH AVE 250 S
Judah. One and one-half-story and
basement frame dwelling.
Owner.....Domonic Tiscornia, 548

Paris, San Francisco.

Architect...None.
Day's work.....COST, \$1900

FRAME FLATS

(2704) E EIGHTEENTH AVE 25 N
Anza. Two-story and basement frame
(2) flats.
Owner.....J. S. Purcell, 856 Presidio
Ave., San Francisco.
Architect...None.
Day's work.....COST, \$5250

FRAME DWELLING

(2705) W FORTIETH AVE 75 S Ca-
brillo. One and one-half-story and
basement frame dwelling.
Owner.....Oscar Heyman & Bro., 742
Market, San Francisco.
Architect...None.
Day's work.....COST, \$2500

FRAME RESIDENCE

(2706) W TWENTY-EIGHTH AVE 31
N California. Two-story and base-
ment frame residence.
Owner.....Allen & Co., 125 Sutter,
San Francisco.
Architect...Architectural Dept. Allen
& Co., 125 Sutter, S. F.
Day's work.....COST, \$5000

FRAME RESIDENCE

(2707) W TWENTY-EIGHTH AVE 106
N California. Two-story and base-
ment frame residence.
Owner.....Allen & Co., 125 Sutter,
San Francisco.
Architect...Architectural Dept. Allen
& Co., 125 Sutter, S. F.
Day's work.....COST, \$5000

FRAME RESIDENCE

(2708) W TWENTY-EIGHTH AVE 81
N California. Two-story and base-
ment frame residence.
Owner.....Allen & Co., 125 Sutter,
San Francisco.
Architect...Architectural Dept. Allen
& Co., 125 Sutter, S. F.
Day's work.....COST, \$5000

FRAME RESIDENCE

(2709) W TWENTY-EIGHTH AVE 56
N California. Two-story and base-
ment frame residence.
Owner.....Allen & Co., 125 Sutter,
San Francisco.
Architect...Architectural Dept. Allen
& Co., 125 Sutter, S. F.
Day's work.....COST, \$5000

FRAME FLATS

(2710) E TWENTY-FIRST AVE 200 N
Balboa. All work except finish har-
dware, gas and electric fixtures and
door and window shades for two-
story frame (2) flats.
Owner.....Sarah McMenamin, 629 Oc-
tavia, San Francisco.
Architect...None.
Contractor...G. E. Ahl, 1237 2nd Ave.,
San Francisco.

Filed Sept. 13, '16. Dated Sept. 7, '16.
Frame up 25%
1st coat plaster on..... 25%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, \$1986
Bond, none. Limit, 76 days. Forfeit,
none. Plans and specifications filed.

CAST IRON WORK, ETC.

(2711) N BUSH 102-6 E Hyde E 35x
N 137-6. Cast iron and steel work
for one-story and basement Class "A"
building.
Owner.....St. Francis Hospital, Prem.

Architect...Alfred I. Coffey, Humboldt Bank Bldg., S. F.
Contractor...Vulcan Iron Works, Kearny and Francisco, S. F.
Filed Sept. 14, '16. Dated July 27, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$5500
Bond, none. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

STRUCTURAL STEEL

(2712) E MARKET AND FOURTH 100 x170. Erection of structural steel and cast iron for Class "A" theatre building.
Owner.....Market Street Realty Co. 15 Golden Gate Iron Works.
Contractor, 1541 Howard, San Francisco.

Architect...Cunningham & Politeo, 1st National Bank Bldg., S. F.
Sub-Contractor, Dean Constr. Co., 491 10th, San Francisco.
Filed Sept. 14, '16. Dated June 27, '16.
On 1st and 15th of each month 75%
15 days after..... 25%
TOTAL COST, \$8600
Bond, \$4300. Sureties, New Amsterdam Casualty Co. Limit, 38 days. Forfeit, \$100. Plans and specifications, none.

ALTERATIONS

(2713) SE HAIGHT AND SHRADER E 59-73x8 100 known as Nos. 1755-1793 Haight and Nos. 616-620 Shrader. All work for alterations and additions to two buildings.

Owner.....Daniel M. Moran.
Architect...Chas. J. Devlin, Pacific Bldg., San Francisco.
Contractor, John H. Merz, 268 Page, San Francisco.
Filed Sept. 14, '16. Dated Sept. 14, '16.
On 1st and 15th of each month 75%
Completed and accepted, 25%...\$2066
TOTAL COST, \$8264
Bond, \$4132. Sureties, John Merz and D. B. Macdonald. Limit, Store A, 40 days from recording, balance in 60 days Forfeit, \$10. Bonus, \$10. Plans and specifications filed.

FRAME DWELLING

(2714) W SEVENTH AVE 270 N Geary 25x120. All work for one-story and basement frame dwelling.
Owner.....Catherine Kovatz.
Architect...J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor, A. Alsop.
Filed Sept. 14, '16. Dated Sept. 14, '16.
Brown coated\$1130
Completed and accepted..... 565
Usual 35 days..... 565
TOTAL COST, \$2260
Bond, none. Limit, 70 days. Forfeit, \$5. Plans and specifications filed.

FRAME DWELLING

(2715) E FORTY-SEVENTH AVE 150 x S Kirkham S 25x120. All work except light fixtures for one and one-half-story frame dwelling.
Owner.....J. C. Faller, 2546 Polk, San Francisco.
Architect...None.
Contractor, C. Wengard, 1256 34th Ave San Francisco.

Filed Sept. 14, '16. Dated Sept. 6, '16.
Frame up\$528.75
Brown coated 528.75
Completed and accepted..... 528.75
Usual 35 days..... 528.75
TOTAL COST, \$2115.00
Bond, none. Limit, 75 days. Forfeit, \$1. Plans and specifications filed.

FRAME DWELLING

(2716) E NINETEENTH AVE 140 N California. Two-story and basement frame dwelling.
Owner.....Thos. Vodden & Son, 1015 Cole, San Francisco.
Designer...Walter Vodden, 760 Cole, San Francisco.
Day's work. COST, \$4000

FRAME DWELLING

(2717) E NINETEENTH AVE 174 N California. Two-story and basement frame dwelling.
Owner.....Thos. Vodden & Son, 1015 Cole, San Francisco.
Designer...Walter Vodden, 760 Cole, San Francisco.
Day's work. COST, \$4000

FRAME RESIDENCE

(2718) E TWENTY-FOURTH AVE 81-6 N Cabrillo. Two-story and basement frame residence.
Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME RESIDENCE

(2719) E TWENTY-FOURTH AVE 256-6 N Cabrillo. Two-story and basement frame residence.
Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME RESIDENCE

(2720) E TWENTY-FOURTH AVE 231-6 N Cabrillo. Two-story and basement frame residence.
Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME RESIDENCE

(2721) E TWENTY-FOURTH AVE 266-6 N Cabrillo. Two-story and basement frame residence.
Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME RESIDENCE

(2722) E TWENTY-FOURTH AVE 181-6 N Cabrillo. Two-story and basement frame residence.
Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME RESIDENCE

(2723) E TWENTY-FOURTH AVE 156-6 N Cabrillo. Two-story and basement frame residence.
Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME RESIDENCE

(2724) E TWENTY-FOURTH AVE 131-6 N Cabrillo. Two-story and basement frame residence.
Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
Architect...None.
Day's work. COST, \$3600

FRAME RESIDENCE

(2725) E TWENTY-FOURTH AVE 106-6 N Cabrillo. Two-story and basement frame residence.

(2726) S. Alfred, 150 Onondago Ave., San Francisco.

Architect...None.
Day's work. COST, \$3600

FRAME DWELLING

(2726) NO. 704 FOERSTER. One-story and basement frame dwelling.
Owner.....M. B. Meir, Premises.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(2727) W MASONIC AVE 22 N St. Rose. Alter stores into flat.
Owner.....Patrick Eagen, 69 Masonic Ave., San Francisco.
Architect...None.
Contractor, James Ostrander, 135 Wood San Francisco. COST, \$900

NEW ROOF

(2728) N SACRAMENTO 150 W Locust New roof.
Owner.....C. Lagomarsino, 1610 Powell, San Francisco.
Architect...None.
Contractor, G. Chiappe, 491 Greenwich, San Francisco. COST, \$100

ALTERATIONS

(2729) N ELLIS 100 E Mason. Minor alterations to hotel.
Owner.....J. Stewart, 172 Ellis, S. F.
Architect...L. & E. Emanuel, Inc., 141 12th, San Francisco.
Day's work. COST, \$100

ALTERATIONS

(2730) ON S GREEN 192-6 W Stockton W 27-6 S 137-6 E 5-3 N 7-6 E 22-3 N 130. All work except plumbing, painting and finish hardware for alterations and additions to building and alterations and additions to rear facing on Card Alley W Stockton for Undertaking Parlors.

Owner.....Valente, Marini, Perata & Co., 649 Green, S. F.
Architect...Noria Cavaglia, 916 Greenwich, San Francisco.
Contractor, Edward Zinkand & Son, 121 10th Ave., S. F.

Filed Sept. 15, '16. Dated Sept. 13, '16.
Rough work completed.....\$535
Brown coated 535
Completed and accepted..... 535
Usual 35 days..... 535
TOTAL COST, \$2110
Bond, \$1070. Sureties, Karl J. Gunther and Dante Seghieri. Limit, 60 days from Sept. 11. Forfeit, \$1. Plans and specifications filed.

FRAME RESIDENCE

(2731) W NINETEENTH AVE 128 S Rivera - 50x120 m or l. All work for two one and one-half-story frame residences.
Owner.....Jas. A. Arnott, 1322 3rd Ave San Francisco.
Architect...None.
Contractor, Jas Arnott & Son, 517 Noe, San Francisco.

Filed Sept. 15, '16. Dated Aug. 26, '16.
Ready for plaster..... 25%
When plastered..... 25%
Completed 25%
Usual 35 days, balance..... 25%
TOTAL COST, \$1900

Bond, none. Limit, Dec. 26, 1916. Forfeit, none. Plans and specifications filed

EXCAVATING, ETC.

(2732) SW FIRST 40 SE Stevenson SE 40 SW 167-6 NW 80 NE 57-6 SW 10

NE 80. Excavating, grading, bulk-heading, pumping, etc., for building.
Owner.....Langley & Michaels Co.,
50 1st, San Francisco.
Architect...Henry H. Meyers, Kohl
Bldg., San Francisco.
Contractor...Shiley Grading & Teaming
Co., 284 Dolores, S. F.
Filed Sept. 15, '16. Dated Sept. 15, '16.
One-half completed\$1350
Completed and accepted.....1350
30 days after.....900
TOTAL COST, \$3600.

Bond, \$1800. Surety, Massachusetts
Bonding & Insurance Co. Limit, 20
days. Forfeit, \$20. Plans and specifi-
cations filed.

FRAME FLATS
(2733) N CHESTNUT 200 E Laguna N
137-6x25. All work except light
fixtures and shades for two-story and
basement frame (2) flats.
Owner.....M. Martinielli, 1702 Union,
San Francisco.
Architect...P. Righetti, 668 Phelan
Bldg., San Francisco.
Contractor...G. Ferroni, 1723 Chestnut,
San Francisco.
Filed Sept. 15, '16. Dated Aug. 28, '16.
Frame up and roofed over.....\$925
Brown coated925
Completed and accepted.....925
Usual 35 days.....925
TOTAL COST, \$3700.

Bond, \$1850. Sureties, P. Carmignani
and A. Benedetti. Limit, 45 days. For-
feit, none. Plans and specifications
filed.

INCORPORATIONS.

The National City Co. of California.
Capital Stock, \$100,000; subscribed,
\$100,000; shares, \$100 each. Directors—
G. E. Weaver, 976 shares; W. Shelton,
D. L. Lucy, J. L. Crittenden, E. Jose, 1
share each. Place of business, S. F.
Motors Distributing Co. Capital
Stock, \$25,000; subscribed, \$3; shares,
\$1 each. Directors—N. S. Gotchall, H.
Goodwin, M. Ensley, 1 share each. Place
of business, San Francisco.

Terminal Hotel and Transportation
Co. Capital Stock, \$50,000; subscribed,
\$600; shares, \$100 each. Directors—R.
M. Ford, W. J. Kelly, Z. Syme, 2 shares
each. Place of business, S. F.

Western Cereal Co. Capital Stock,
\$10,000; subscribed, \$3; shares, \$1 each.
Directors—J. C. Kitchen, J. T. Murphy,
C. A. Carleton, 1 share each. Place of
business, San Francisco.

LEASE.

Sept. 11, 1916—S WAYLAND & DART-
mouth SE 400xSW 240, Antonio De-
paoli to Armando Consani and Fed-
erico Podesta. 10 years. \$6900.
Sept. 14, 1916—W SIXTH bet. Bryant
and Brannan; No. 646 6th. The Ger-
man Savings & Loan Society to
Margaret Carter. 2 years. \$3000.
Sept. 14, 1916—SE HOWARD 349-6 SW
Third SW 20xSE 137-6. Benj. F.
Sternheim to John P. Visser. 7 years.
\$18,480.
Sept. 8, 1916—N THIRTEENTH 104-4 1/2
W Howard W 165-2 1/2 N 247-9 1/2 E
164-7 1/2 S 256-11 1/2. The George
Burkhardt Estate, Albert P. Burk-
hardt et al to The Fink & Schindler
Co. 5 years. \$12,000.
Sept. 13, 1916—NW PIERCE & EDDY
75 on Pierce and 30 on Eddy. Mrs

Virginia Lewis to Jos Harais. 5
years. \$3360.
Sept. 13, 1916—SE DIVISADERO AND
O'Farrell; No. 1362 Divisadero. Jno.
Quinn to A Tannenbaum. 4 years.
\$1920.
Sept. 13, 1916—W CASTRO 110 S 18th S
10 W 18 S 4 W 66 N 37 E 10 S 23 E
84 and stable in rear of No. 516
Castro and No. 518 Castro. H F Stolz
to G S Scardigli and S Cecchini. 5
years. \$4500.

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Sept. 11, 1916—SW GIRARD 175 SE
Wayland SE 25xSW 120. Sarah
Weinstein as to improvements on
leased property.....
Sept. 11, 1916—N OAKDALE AVE &
Phelps NE 100xNW 100. Sarah
Weinstein as to improvements on
leased property.....

NOTICE OF NON-LIABILITY.

Sept. 8, 1916—E ASHBURY 75 N
Grove N 25xE 90-S. Joseph F Nolan
as to improvements on leased
property.....

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED	ACCEPTED
Sept. 7, 1916—N TWENTIETH 305 W Church W 25xN 114. Louis J Roberts, Agent to Louis J Roberts.....Sept. 7, 1916	
Sept. 7, 1916—E NINETEENTH AVE 150 S Balboa 25x120. D J Clancy to whom it may concern.....Sept. 7, 1916	
Sept. 7, 1916—W NINETEENTH AVE bet "T" and "U." Amalia C Deck- elman to J Koschnitzki. Aug. 31, 1916	
Sept. 8, 1916—E TWENTY-SIXTH AVE 175 S Clement 125x120. H C Keenan to whom it may concern..... .....Completed.....	
Sept. 8, 1916—N FULTON 36-6 W 19th AVE W 25xN 100. Mary Damon to Merriman & Capelli.....Sept. 8, 1916	
Sept. 8, 1916—E TWENTY-FOURTH AVE 50 N Balboa N 25xE 104-1. Jacob H Thorup to whom it may concern.....Sept. 7, 1916	
Sept. 8, 1916—E TWENTY-FOURTH AVE 100 N Balboa N 25xE 104-1. Alice E Kentzel to Jacob H Thorup.....Sept. 7, 1916	
Sept. 8, 1916—N SEVENTEENTH 642- 8 E Douglass. Otto Will to whom it may concern.....Completed.....	
Sept. 8, 1916—SE CUMBERLAND & Dolores S 89 E 105 S 25 N 114 W 130. Second Church of Christ, Scientist to E S Rainey.....Sept. 2, 1916	
Sept. 11, 1916—N BRIGHTON AVE 235 S Ocean Ave; Lot 43 BIK 4. Lakeview. Jno and Grace Moriarty to Jno G Chase Jr.....Sept. 8, 1916	
Sept. 11, 1916—LOT 25 BLK 7, Crock- er Amazon Tract. Victor Balcon to whom it may concern.....Sept. 5, 1916	
Sept. 12, 1916—W POLK 112-6 N Cal- ifornia N 25 W 168-9 S 137-6 E 75 N 87-6 E 12-6 N 25 E 81-3. Abra- ham C Karski, Isaac Oppenheimer and Frank Levy to R W Moller..... .....Sept. 6, 1916	
Sept. 12, 1916—W HYDE 107-6 S Filbert S 30xW 100. Salvatore Tar- taui to G Chlappe.....Sept. 11, 1916	
Sept. 13, 1916—LOT 46, Lincoln Manor J O Darius to George P Schaefer.....	

.....Sept. 13, 1916	
Sept. 13, 1916—E SIXTEENTH AVE 71 S Quintara (Q). Joseph Dubeau to whom it may concern..... .....Sept. 13, 1916	
Sept. 13, 1916—W TWENTY-FIRST AVE 25 S Irvine. H E and T W MacArthur to whom it may con- cern .....Sept. 10, 1916	
Sept. 13, 1916—SW ELLIS AND HYDE W 37-6xS 82-6. D & S Investment Co to J Pasqualetti.....Sept. 6, 1916	
Sept. 13, 1916—LOT 12 BLK 29 Forest Hill Extension. Otto A Brown to William McIntosh.....Sept. 13, 1916	
Sept. 14, 1916—E TWENTIETH AVE 175 N Anza N—xE 120. Guy Ed- wards to whom it may concern..... .....Sept. 14, 1916	
Sept. 14, 1916—E DIVISADERO 27-8 1/2 S Washington S 25xE 110. May Palmer Tomlinson to L A Hinson..... .....Sept. 12, 1916	
Sept. 14, 1916—E SECOND bet Bran- nan and Townsend. Henry C and Mary E Callahan to Clinton Con- struction Co.....Aug. 29, 1916	
Sept. 14, 1916—N CLAY 137-6 W Hyde W 30xN 100. Laura M Jordan to whom it may concern.....Sept. 11, 1916	

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED	AMOUNT
Sept. 11, 1916—SW ANZA AND AR- guello Blvd S 25xW 95. Bass Heuter Paint Co vs J A Eason, W E Grant and Thos Rourke.....\$95.02	
Sept. 11, 1916—S BROADWAY 35 E Fillmore E 33-9x100. Henry Kern vs E L Darrimon .....\$273	
Sept. 11, 1916—W COLLINS 340 N Geary N 25xW 123-0 1/2. Jas Cantley, \$86.66%; Christenson Lumber Co, \$147.73 vs Mrs C Bury and W F Yates .....\$293.20	
Sept. 12, 1916—S BROADWAY 35 E Fillmore E 36xS 137-6. Bennett Bros vs L A Hinson and E L Dar- rimon .....\$293.20	
Sept. 12, 1916—W SEVENTEENTH AVE 25 N California N 75xW 75. Neil H Dunn vs F J Rodgers, The Realty Investment Co and Albert A Russell .....\$585	
Sept. 12, 1916—W GUERRERO 65 N 17th N 25xW 85. Giuseppe Mari- ani vs Jos and Lillian Fitzpatrick and J Hoffmeister.....\$19	
Sept. 13, 1916—N SACRAMENTO 146-3 W Taylor W 25xN 120. Water Works Supply Co vs Henry Conrad, C R Danziger and J J Seibert.....\$62.50	
Sept. 13, 1916—E COLLINS 46-8 N Geary N 25xE 120. James Cantley vs W F and Jeanette Yates.....\$86.66%	
Sept. 13, 1916—E COLLINS 75 N Geary N 25xE 120. James Cantley vs W F and Jeanette Yates.....\$86.66%	
Sept. 13, 1916—ALL PPTY ON MAP of Blks 27 to 34, Forest Hill Ex- tension (Street work). Blanchard- Brown Co vs Forest Hill Realty Co .....\$29,010.82	
Sept. 13, 1916—S GREEN 105-6 W Montgomery 32x137-6. D Fossati vs D Ferrari.....\$164	
Sept. 13, 1916—SW ANZA AND AR- guello Blvd S 95xW 25. S Ginsberg & Co vs Thos Rourke and W E Grant .....\$37	
Sept. 13, 1916—SW ANZA AND AR- guello Blvd S 95xW 25. M Stulsaft Co vs Thos and Julia Rourke, W E Grant and David Gibbs.....\$179	

Sept. 23, 1916—N BERNARD 160-6 W Jones V 23xN 60. Pope & Talbot vs P Bellgarde and P H Grell, \$757.43
Sept. 14, 1916—W SEVENTEENTH Ave 246-1 S California S 25xW 120. Philp Wesendunk vs E F Helms, John T Gallagher and Myrtle M Gallagher\$170

OAKLAND AND ALAMEDA COUNTY

STREET WORK—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on September 28th at 12 o'clock for street improvements authorized under the following resolutions: That cement sidewalks 6 feet wide, where cement or bitumen sidewalks do not already exist, be constructed on the sidewalks of Seminary avenue, from the northeastern line of East 14th street to the southwest line of Foothill Boulevard.

That cement sidewalks 6 feet wide be constructed on the sidewalks of 15th avenue, from the northeast line of East 14th street to the south line of Bond street, where cement or bitumen sidewalks do not already exist.

BRIDGES AND CULVERTS—Reinforced concrete. Cost not stated. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County. The following figures were received by the Alameda County Board of Supervisors for the construction of a box culvert and for two reinforced concrete bridges to be erected in Eden Township. All bids were referred to the Committee of the Whole:

Palormes Road Bridge No. 1.—Unit prices were submitted as follows: (1) excavating, (2) excavating and fill, (3) concrete per cubic yard, (4) steel bars, (5) old bridge, (6) curb steel and (7) oil macadam.

P. Mathieson—(1) 60c; (2) 60c; (3) \$10; (4) 7c; (5) \$10; (6) 30c; (7) 20c.
Edwall & Alforno—(1) \$1.14; (2) \$1.14; (3) \$12.96; (4) 6c; (5) \$125; (6) 27c; (7) 12c.

Western Construction Co.—(1) 80c; (2) 40c; (3) \$12; (4) 5½c; (5) \$50; (6) 40c; (7) 6c.

M. E. Fernandez—(1) 75c; (2) 25c; (3) \$9.30; (4) 5c; (5) \$35; (6) 35c; (7) 2c.

Tieslau Bros.—(1) 55c; (2) 35c; (3) \$16.20; (4) 6c; (5) \$50; (6) 40c; (7) 5c.
Thos. B. Russell—(1) 45c; (2) 30c; (3) \$9; 5½c; (5) \$50; (6) 40c; (7) 8c.

C. A. Bruce—(1) \$1; (2) 40c; (3) \$12; (4) 6c; (5) \$50; (6) 30c; (7) 10c.

Palormes Road Bridge No. 2.—The same unit prices were also called for on the construction of this bridge.

M. E. Fernandez—(1) 75c; (2) 25c; (3) \$9.30; (4) 5c; (5) \$35; (6) 35c; (7) 2c.

C. A. Bruce—(1) \$10; (2) 40c; (3) \$12; (4) 5c; (5) \$50; (6) 30c; (7) 10c.

Thos. B. Russell—(1) 50c; (2) 35c; (3) \$10; (4) 5½c; (5) \$50; (6) 45c; (7) 8c.

Edwall & Alforno—(1) \$1.14; (2) \$1.14; (3) \$12.96; (4) 6c; (5) \$85; (6) 27c; (7) 12c.

Western Construction Co.—(1) 75c; (2) 40c; (3) \$12; (4) 5½c; (5) \$25; (6) 40c; (7) 3c.

Tieslau Bros.—(1) 65c; (2) 35c; (3) \$16.20; (4) 6c; (5) \$35; (6) 40c; (7) 5c.
P. Mathieson—(1) 60c; (2) 60c; (3) \$10; (4) 7c; (5) \$10; (6) 30c; (7) 20c.

Box Culverts.—Unit prices were asked for on this work as follows: (1)

excavating, (2) road grading, (3) concrete per cubic yard, (4) steel bars, (5) temporary road, (6) curbs.

M. E. Fernandez—(1) 75c; (2) 25c; (3) \$9.30; (4) 5c; (5) \$15; (6) 35c.

Western Construction Co.—(1) 75c; (2) 40c; (3) \$12; (4) 5½c; (5) \$25; (6) 40c.

C. A. Bruce—(1) \$1; (2) 40c; (3) \$12; (4) 5½c; (5) \$30; (6) 30c.

Thos. B. Russell—(1) 50c; (2) 35c; (3) \$10.50; (4) 6c; (5) \$40; (6) 50c.

Tieslau Bros.—(1) 65c; (2) 35c; (3) \$16.20; (4) 6c; (5) \$35; (6) 40c.

Edwall & Alforno—(1) \$1.15; (2) \$1.15; (3) \$12.96; (4) 6c; (5) \$75; (6) 27c.

P. Mathieson—(1) 60c; (2) 60c; (3) \$10; (4) 6c; (5) \$10; (6) 30c.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect, C. W. Glantz, 1461 8th avenue, Oakland. Location, east 86th avenue north Holly. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, B. J. Butler, 333A 49th street, Oakland. Location, east Grant north Berkeley Way. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architects, M. L. and N. C. Newsom, 1748 Broadway, Oakland. Owner, J. T. Hinch. Location, Everett avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$4,000 each. Oakland, Cal. Architect, E. W. Cannon, Central Bank Bldg., Oakland. Owners, Bud Stewart and C. D. Rowllar. Location, Harwood avenue near Portsmouth. Each house will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, Emma Colburn, 2370 East 28th street, Oakland. Location, southwest Maple and Delaware streets. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, Ole Kolen, 3121 Bruce street, Oakland. Location, west Ransome avenue south Santa Rita street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE ALTERATIONS—2 story, frame, \$4,000. Oakland, Cal. Architect, none. Owner, N. C. Kendall, 1410 Jackson street, Oakland. Location, east Jackson north 14th. Work will consist of altering a two-story dwelling into modern apartments. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, Glenn R. Bell, 1588 Franklin street, Oakland. Location, south 39th street west Market. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location north

Maine east Curren avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, H. C. Pfrang, 320 Forest street, Oakland. Location, east James north Clifton. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, A. H. Broad, 2117 Kittridge street, Berkeley. Location, 1931 McGee. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, George H. Johnson, 5457 Vicente street, Oakland. Location, west San Sebastian north Elsinor. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

HOSPITAL WARD—6, 1 story, frame, \$80,000. Oakland, Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. The Alameda Board of Supervisors has rejected all figures for the construction of six one-story frame buildings to be erected near Livermore as a county tuberculosis sanitarium. Lester H. Stock presented the lowest bid at \$124,338. The architect will revise the plans so that the work may be brought within the amount available, which is \$80,000.

SCHOOL—2 story and base, brick and concrete, \$60,000. Alameda, Alameda Co., Cal. Architects, Cunningham & Polio, First National Bank Bldg., S. F. Owners, City of Alameda. Revised plans have been completed and figures are to be opened on October 3rd for the construction of the Lincoln School. Plans can be secured from the architects or the Clerk of the Board of Education. Segregated figures are being taken.

APARTMENT HOUSE—2 story and base, frame, \$7,500. Oakland, Cal. Architect, none. Owner, Henry A. Dodge, 1424 Broadway Oakland. Location, east Broadway north 28th street. Will contain two and three room apartments. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, H. A. Plettnar, 954 Fruitvale avenue, Oakland. Location, north Noble street east Seminary. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOL—1 story, reinforced concrete, \$20,000. Albany, Alameda Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Town of Albany. Revised plans being prepared. Work to be figured. Bids open on September 25th.

Contracts Awarded.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts for street improvements have been awarded under the following resolutions: That Arthur street, from 73rd avenue to Church street, as it exists between Arthur and Fresno streets, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, and paved with oil

macadam. Awarded to A. A. Kopperud, 2050 High street, Oakland.

That 2nd street, from Webster St. to Alice street, be graded, curbed with granite, guttered with brick gutters 14 inches wide, and paved with asphalt; also that four brick catch basins with cast iron tops be constructed in 2nd street, one in each quarter of the north halves of the crossings of Harrison street and Alice street; also that vitrified pipe conduits, having internal diameters of 10 inches be constructed. Catch basins awarded to Clark & Henry Construction Co., Oehsner Bldg., Sacramento.

That East 11th street, from 28th avenue to 29th avenue, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide and paved with oil macadam pavement; also a sewer having an internal diameter of 8 inches be constructed; a lampole, Y branches having 5-inch openings. Y branches and lampholes shall be constructed of vitrified sewer pipe. Awarded to A. H. Kopperud, 2030 High street, Oakland.

That Fairfax avenue, from Frances street to Courtland avenue, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalk with cement sidewalks 6 feet wide. Awarded to Hutchinson Co., 13th and Franklin streets, Oakland.

RECEIVE FIGURES FOR TUBERCULOSIS SANITARIUM.

Lester H. Stock Presented Low Figure for Six Buildings to be Erected in Alameda County.

Bids were opened at Monday's session of the Alameda County Supervisors for the construction of six buildings to be erected at the Tuberculosis Sanitarium near Livermore. Plans were prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco.

Lester H. Stock, Hearst Bldg., San Francisco, presented the lowest bid for the work at \$124,338. All bids were referred to the Architect. Following is a complete list of the bids:

Tuberculosis Sanitarium.

Monson Bros.	.....	\$131,758
McLeran & Peterson	.....	128,500
Williams Bros. & Henderson	.....	132,900
C. L. Wold Co.	.....	135,987
Peterson & Mortenson	.....	129,975
Anderson & Ringrose	.....	138,400
Masow & Morrison	.....	132,967
R. W. Littlefield	.....	135,000
Walter Sorenson	.....	139,326
Lester, H. Stock	.....	124,338
W. G. Thornally	.....	135,900

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Amt.
2125	Morris	.....	1600
2126	Same	.....	1600
2128	Gavinovich	.....	400
2129	Morrill	.....	600
2130	Myers	.....	1250
2131	Graff	.....	2500
2136	Chinn-Beretta	.....	600
2137	Lanz	.....	753
2138	Brion	.....	700
2139	Avena	.....	600
2142	Owens	.....	6400
2143	Sullivan	.....	500
2144	Glanz	.....	1600
2145	Glanz	.....	1600
2147	Baker	.....	3000

2148	Mattison	.....	1000
2149	Ryan	.....	1075
2150	Ingle	.....	500
2151	Zentili	.....	700
2154	Bryden	.....	400
2155	Kolen	.....	1800
2156	Colburn	.....	2000
2159	Piedmont Bldg.	.....	3195
2161	Kuhn	.....	600
2162	Johnson	.....	3000
2163	Western Casket	.....	1400
2169	Duncan	.....	1850
2170	Thompson	.....	2100
2171	Duncan	.....	1800
2172	Ables	.....	25000
2173	King	.....	3000
2174	Branson	.....	3800
2175	Foster	.....	1000
2176	Hyde	.....	600
2177	Cargan	.....	400
2178	Merithew	.....	1000
2179	Bercovich	.....	700
2180	Anderson	.....	1600
2181	Kendall	.....	4000
2182	Pfrang	.....	2500
2183	Peoples' Bakery	.....	1000
2184	White	.....	1600
2185	Oakland Cream	.....	9555
2186	Combs	.....	1000
2187	O'Brien	.....	900
2188	Dodge	.....	7500
2189	Dodge	.....	2000
2190	Hillen	.....	2000
2191	Peltner	.....	2000
2192	Bell	.....	1850
2194	Hayes	.....	2250
2195	Jacoby	.....	7500
2196	Wilkening	.....	1165
2197	Williams	.....	2000

DWELLING

(2125) E PERALTA 600 N Sonoma, Albany. One-story 6-room dwelling.	
Owner.....Annie D. Morris, 914 Kains Ave., Albany.	
Architect.....None.	
Contractor.....A. R. Morris, 914 Kains Ave., Albany.	

COST, \$1600

DWELLING

(2126) W PERALTA 600 N Sonoma, Albany. One-story 6-room dwelling.	
Owner.....Annie D. Morris, 914 Kains Ave., Albany.	
Architect.....None.	
Contractor.....A. R. Morris, 914 Kains Ave., Albany.	

COST, \$1600

REPAIRS

(2128) NO. 1052 KAINS AVE., Albany. Repairs.	
Owner.....Luke Gavinovich, 1115 Dartmouth, Albany.	
Architect.....None.	
Contractor.....H. N. Taylor.	

COST, \$100

BOILER ROOM

(2129) NE FORTY-FIRST & PIEDMONT, Oakland. Boiler room.	
Owner.....Flora A. Morrill, 4127 Lawton Ave., Oakland.	
Architect.....None.	
Contractor.....L. W. Blake, 538 21th, Okd.	

COST, \$600

DWELLING

(2130) W TWENTY-NINTH AVE 125 N E-8th, Oakland. One-story four-room dwelling.	
Owner.....J. S. Myers.	
Architect.....None.	
Contractor.....Silva & Almeida, 2869 Ford, Oakland.	

COST, \$1250

DWELLING

(2131) W JEAN 200 S Santa Clara Ave., Oakland. One-story 5-room dwelling.	
Owner.....Edwin C. Graff, Syndicate Bldg., Oakland.	
Architect.....None.	
Day's work.	

COST, \$2500

ALTERATIONS

(2136) NO. 476 THIRTEENTH, Oakland. Alterations.	
Owner.....Chinn Beretta Optical Co., Premises.	
Architect.....None.	
Contractor.....S. Kulchar & Co., 8th Ave and E-10th, Oakland.	

COST, \$600

ALTERATIONS

(2137) NO. 270 MATHER, Oakland. Alterations and repairs.	
Owner.....D. Lanz, 1134 3rd Ave., Okd.	
Architect.....None.	
Contractor.....Wm. Davis & Son, 848 E-28th, Oakland.	

COST, \$755

ADDITION

(2138) SW E-FOURTEENTH AND 20th Ave., Oakland. One-story brick addition to garage.	
Owner.....P. A. Brion, Berkeley.	
Architect.....None.	
Contractor.....C. Chubb, 1941 Linden, Oakland.	

COST, \$700

DWELLING

(2139) S HOLLY 116 W 98th Ave., Oakland. One-story 2-room dwlg.	
Owner.....F. J. Avena, 1592 94th Ave., Oakland.	
Architect.....None.	
Contractor.....W. J. Hanner, 1307 89th Ave., Oakland.	

COST, \$600

FRAME DWELLING

(2142) W 21 LOT 31 AND E 44 Lot 32 Crocker Oaks Tract, Oakland. All work except heating, electric wiring general painting and finish hardware for two-story frame dwelling.	
Owner.....Mrs. J. A. Owens, 359 63rd, Oakland.	
Architect.....Maybeck & White, 35 Montgomery, San Francisco	
Contractor.....I. W. and Frank Button, 247 63rd, Oakland.	

Filed Sept. 8, '16. Dated Sept. 7, '16.	
Monthly payments of.....	75%
Usual 35 days.....	\$1350
TOTAL COST, \$1600	

Bond, none. Limit, 90 days. Forfeited, none. Plans and specifications filed.

ADDITION

(2143) NO. 2316 RANSOME AVE., Oakland. Addition.	
Owner.....D. J. Sullivan, Premises.	
Architect.....None.	
Day's work.	

COST, \$500

DWELLING

(2144) E EIGHTY-SIXTH AVE 315 N Holly, Oakland. One-story 5-room dwelling.	
Owner.....C. W. Glantz, 1464 87th Ave., Oakland.	
Architect.....None.	
Day's work.	

COST, \$1600

DWELLING

(2146) N QUIGLEY 180 W High, Oakland. One-story 5-room dwlg.	
Owner.....A. A. Glantz, 1464 87th Ave., Oakland.	
Architect.....None.	
Contractor.....C. W. Glantz, 1467 87th Ave., Oakland.	

COST, \$1600

DWELLING, ETC.

(2147) W FORTIETH AVE 90 S Park Blvd 50x116, Oakland. All	
---	--

work for one-story 7-room dwelling and garage.
 Owner.....Arthur T. Baker, 1642 Telegraph Ave., Oakland.
 Architect...None.
 Contractor...B. F. Kopf, 1015 82nd Ave., Oakland.
 Filed Sept. 11, '16. Dated Sept. 8, '16.
 Frame up 1/4
 Brown coated 1/4
 Completed and accepted..... 1/4
 Usual 35 days..... 1/4

TOTAL COST, \$3000

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWEELLING

(2148) W FIFTY-SEVENTH AVE 500 N E-14th, Oakland. One-story and 4-room dwelling.
 Owner.....Frank Mattison.
 Architect...None.
 Contractor...C. A. Jackson.
 COST, \$1000

WAREHOUSE

(2149) W CASTRO 75 N 6th, Oakland. One-story corrugated iron warehouse.
 Owner.....Fred Ryan, 788 9th, Okd.
 Architect...None.
 Contractor...J. F. Gunn, 839 Isabella, Oakland.
 COST, \$1075

ALTERATIONS

(2150) NO. 3832 E-TWELFTH, Oakland. Alterations.
 Owner.....E. L. Ingle, Premises.
 Architect...None.
 Contractor...N. W. Getty, 1965 41st Ave. Oakland.
 COST, \$500

DWEELLING

(2151) S LONGFELLOW 125 W 105th Ave., Oakland. One-story 3-room dwelling.
 Owner.....Luigi Zenitti.
 Architect...None.
 Contractor...H. J. Nichols, 1325 93rd Ave., Oakland.
 COST, \$700

GARAGE

(2154) NO. 307 PERKINS, Oakland. Garage.
 Owner.....J. R. Bryden, Premises.
 Architect...None.
 Contractor...H. J. Christensen, 237 Wayne Ave., Oakland.
 COST, \$400

DWEELLING

(2155) W RANSOME AVE 130 S Santa Rita, Oakland. One-story 5-room dwelling.
 Owner.....Ole Kolen, 3127 Bruce St., Oakland.
 Architect...None.
 Day's work..... COST, \$1800

DWEELLING

(2156) SW MAPLE AND DELAWARE, Oakland. One-story 5-room dwlg.
 Owner.....Emma Colburn, 2370 E-28th Oakland.
 Architect...None.
 Day's work..... COST, \$2000

BRICK GARAGE

(2159) SW TWENTY-THIRD AND Webster S 75xW 90, Oakland. Brick work for one-story brick garage.
 Owner.....Piedmont Bldg. Ass'n, 1308 Broadway, Oakland.
 Architect...A. W. Smith, 1010 Broadway, Oakland.

Contractor...W. J. Baccus, 565 16th, Oakland.

Filed Sept. 12, '16. Dated Aug. 30, '16.
 75,000 brick laid.....\$1000
 Pressed brick work completed... 595
 Completed and accepted..... 800
 TOTAL COST, \$2195
 Usual 35 days..... 800

Bond, \$1597.50. Surety, U. S. Fidelity & Guaranty Co. Limit, 20 days. Forfeit, \$20. Plans and specifications filed.

DWEELLING

(2161) W WEST 120 S 52nd, Oakland. One-story 2-room dwelling.
 Owner.....E. A. Kuhn, 5131 West, Oakland.
 Architect...None.
 Day's work..... COST, \$600

DWEELLING

(2162) W SAN SEBASTIAN 195 N Elsinor, Oakland. One and one-half-story 6-room dwelling.
 Owner.....Geo. H. Johnson, 5457 Vicente, Oakland.
 Architect...None.
 Day's work..... COST, \$3000

STEAM HEATING, ETC.

(2163) N TENTH 150 E Webster, Oakland. Steam heating and oil burners.
 Owner.....Western Casket Co., 155 12th, Oakland.
 Architect...None.
 Contractor...Carl Doell, 467 21st, Okd.
 COST, \$1400

FRAME DWEELLING

(2166) N OAKLAND AVE 31 1/2 S San Carlos Ave., Piedmont. One-story frame dwelling.
 Owner.....D. G. Duncan.
 Architect...None.
 Day's work..... COST, \$1850

FRAME DWEELLING

(2170) N OAKLAND AVE 74 1/2 W San Carlos Ave., Piedmont. One-story frame dwelling.
 Owner.....L. S. Thompson.
 Architect...None.
 Contractor...J. T. Thompson, 558 63rd, Oakland.
 COST, \$2100

FRAME DWEELLING

(2171) N OAKLAND AVE 111 1/2 W San Carlos Ave., Piedmont. One-story frame dwelling.
 Owner.....V. L. Duncan.
 Architect...None.
 Contractor...D. G. Duncan.
 COST, \$1800

BRICK GARAGE

(2172) W BROADWAY 90 N Hawthorne, Oakland. One-story brick and concrete garage.
 Owner.....K. C. Ables, Care Studebaker Co., Oakland.
 Architect...None.
 Contractor...Powell Bros. Constr. Co., 2708 Harrison Ave., Ala.
 COST, \$25,000

DWEELLING

(2173) S VALLE VISTA 600 W Sunny-slope, Oakland. Two-story 6-room dwelling.
 Owner.....Julia King.
 Architect...None.
 Contractor...G. Taylor, 96 Pearl, Okd.
 COST, \$3000

DWEELLING

(2174) NE HARWOOD & ANNERBY

Broadway, Oakland. Two-story 7-room dwelling.
 Owner.....Mrs. Harriet Braund, 458 37th, Oakland.
 Architect...None.
 Contractor...F. N. Strang, 805 Pacific Ave., Alameda.
 COST, \$3300

REPAIRS

(2175) NO. 3009 FILBERT, Oakland. Fire repairs.
 Owner.....J. L. Foster, 3003 Filbert, Oakland.
 Architect...None.
 Contractor...A. H. Rose & Co., 545 17th, Oakland.
 COST, \$1000

ADDITION

(2176) NO. 528 THIRTY-FIFTH, Oakland. Addition.
 Owner.....Mr. and Mrs. Hyde, Prem.
 Architect...None.
 Contractor...O. L. Hicks, 1208 Cornell Ave., Berkeley.
 COST, \$600

ADDITION

(2177) NO. 3714 LEIGHTON AVE., Oakland. Addition.
 Owner.....Mrs. McCargar.
 Architect...None.
 Contractor...T. D. Courtright, 1624 Woolsey, Berkeley.
 COST, \$400

DWEELLING

(2178) N "E" 280 W 98th Ave., Oakland. One-story 4-room dwelling.
 Owner.....F. H. Merithew, 1331 Brush San Francisco.
 Architect...None.
 Day's work..... COST, \$1000

ALTERATIONS

(2179) NO. 514 WEBSTER, Oakland. Alterations.
 Owner.....E. Bercovich, Premises.
 Architect...None.
 Contractor...Bay City Cabinet Co., 1080 5th, Oakland.
 COST, \$700

DWEELLING

(2180) E EIGHTH AVE 185 W E-23rd, Oakland. One-story 5-room dwlg.
 Owner.....Kristine Anderson, 710 E-23rd, Oakland.
 Architect...None.
 Contractor...C. A. Anderson, 710 E-23d, Oakland.
 COST, \$1600

ALTERATIONS

(2181) E JACKSON 100 N 14th, Oakland. Alter two-story dwelling into apartments.
 Owner.....N. C. Kendall, 1410 Jackson, Oakland.
 Architect...None.
 Day's work..... COST, \$4000

DWEELLING

(2182) E JAMES AVE 234 N Clifton, Oakland. One-story 5-room dwelling.
 Owner.....H. C. Pfrang, 320 Forest, Oakland.
 Architect...None.
 Day's work..... COST, \$2500

GALVANIZED IRON BUILDING

(2183) SE PARK AVE & HARLAN, Emeryville. All work for one-story galvanized iron bread building and garage.

Owner. "Peoples" Baking Co., 17th and Bryant, San Francisco.
 Architect...None.
 Superintendent...Harry C. Knight, 1415 Havencourt Blvd., Okd.
 Filed Sept. 13, '16. Dated Sept. 2, '16.
 Owner pay bills once a week....
 Completed and accepted, including 5% to contractor.....Balance
 TOTAL COST, \$—
 Bond, limit, forfeit, none. Plans and specifications filed.

DWELLING

(2184) LOT 21 BLK 3 Map Gey Route Terrace No. 2, Albany. All work for one-story 5-room dwelling.
 Owner.....William R. White, Oakland
 Architect...None.
 Contractor...W. Sherry White, Oakland
 Filed Sept. 13, '16. Dated Sept. 13, '16.
 Frame up ¼
 Brown coated ¼
 Completed and accepted..... ¼
 30 days after ¼
 TOTAL COST, \$1600
 Bond, none. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

CLASS "C" CREAMERY

(2185) SW FOURTEENTH & WILLOW W 190xS 106-3, Oakland. All work for two-story Class "C" creamery.
 Owner.....Oakland Cream Depot, 1809 Telegraph Ave., Oakland.
 Architect...Claude B. Barton & C. Reed Baxter, 1st Savings Bank Bldg., Oakland.
 Contractor...Alfred Olson, 565 16th, Okd
 Filed Feb. 14, '16. Dated Sept. 12, '16.
 Brick walls up to 2nd floor line and 2nd floor joists in place.....\$2463.75
 Brown coated 2463.75
 Completed and accepted..... 2463.75
 Usual 35 days..... 2463.75
 TOTAL COST, \$9855.00
 Bond, none. Limit, 90 days after Sept. 12. Forfeit, \$10. Plans and specifications filed.

ADDITION

(2186) NO. 1063 CORNELL AVE., Albany. Addition.
 Owner.....Mrs. Combs, Premises.
 Architect...None.
 Contractor...W. M. Teohwark.
 COST, \$600

REPAIRS

(2187) NO. 643 POIRIER, Oakland.
 Fire repairs.
 Owner.....D. L. O'Brien, Premises.
 Architect...None.
 Day's work.....
 COST, \$1000

CONCRETE GARAGE

(2188) E BROADWAY 130 N 38th, Oakland. One-story concrete garage.
 Owner.....Henry A. Dodge, 1424 Broadway, Oakland.
 Architect...None.
 Day's work.....
 COST, \$900

APARTMENTS

(2189) E BROADWAY 130 N 38th, Oakland. Two-story 16-room apartments.
 Owner.....Henry A. Dodge, 1424 Broadway, Oakland.
 Architect...None.
 Day's work.....
 COST, \$7500

DWELLING

(2190) N MAINE 115 E Curran Ave., Oakland. One-story 5-room dwlg.

Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
 Architect...None.
 Day's work.....
 COST, \$2000

DWELLING

(2191) N NOBLE 423 E Seminary Ave., Oakland. One-story 5-room dwlg.
 Owner.....H. A. Pleitner, 954 Fruitvale Ave., Oakland.
 Architect...None.
 Day's work.....
 COST, \$2000

DWELLING

(2192) S THIRTY-NINTH 103 W Market, Oakland. One-story 4-room dwelling.
 Owner.....Glenn R. Bell, 1568 Franklin, Oakland.
 Architect...None.
 Day's work.....
 COST, \$1800

ALTERATIONS

(2194) NO. 690 TENTH, Oakland. Alter and add to rooming house.
 Owner.....Mrs. Mary Hayes, Prem.
 Architect...None.
 Contractor...J. F. Rogers, 2011 Franklin, Oakland.
 COST, \$2250

APARTMENTS, ETC.

(2195) NW MILES AND COLLEGE Aves., Oakland. Two-story 10-room bank and apartments.
 Owner.....Wm. P. and Johanna Jacoby, 217 5th Ave., S. F.
 Architect...Thomas & Oliver, Pantages Bldg., Oakland.
 Contractor...Chas. L. Gifford, 5634 College Ave., Oakland.
 COST, \$7500

DWELLING

(2196) E EIGHTIETH AVE 300 S E 14th, Oakland. One-story 5-room dwlg.
 Owner.....H. Wilkening, 1332 80th Ave., Oakland.
 Architect...None.
 Contractor...Northrup & Kundrus, 2220 95th Ave., Oakland.
 COST, \$1406

DWELLING

(2197) W CLAREMONT AVE 150 S 56th, Oakland. One-story 5-room dwelling.
 Owner.....Mr. Williams, 2022 Jefferson, Oakland.
 Architect...None.
 Contractor...D. Birmingham, 3005 Fulton, Berkeley.
 COST, \$2000

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2127	Athearn	Engler	5000
2132	Bd Education	Owner	500
2133	Janssen	Janssen	2000
2134	Same	Same	2000
2135	Same	Same	2000
2140	Eddy	Bixby	3000
2141	Snell	Taylor	2850
2146	Jackson	Mabey	400
2152	Petersen	Petersen	1000
2153	Wolff	Gilbert	1000
2158	Hood	Hanson	2500
2160	Ocheltree	Wright	1200
2164	Ditzler	Kolner	400
2157	Butler	Butler	2000
2193	Broad	Broad	1950

DWELLING

(2127) W EUCALYPTUS ROAD 280 S Hillcrest Road, Berkeley. Two-story 10-room dwelling.
 Owner.....P. G. Athearn, 2805 Regent,

Berkeley.
 Architect...None.
 Contractor...Louis Engler, 2456 Derby, Berkeley.
 COST, \$5000

ALTERATIONS

(2132) GROVE AND KITTRIDGE, Berkeley. Alterations.
 Owner.....Board of Education, 2133 Allston Way, Berkeley.
 Architect...None.
 Day's work.....
 COST, \$500

DWELLING

(2133) N JOSEPH 237 W Colusa, Berkeley. One-story 5-room dwelling.
 Owner.....E. A. Janssen, Hearst Bldg., San Francisco.
 Architect...None.
 Day's work.....
 COST, \$2000

DWELLING

(2134) N JOSEPH 276 W Colusa, Berkeley. One-story 5-room dwelling.
 Owner.....E. A. Janssen, Hearst Bldg., San Francisco.
 Architect...None.
 Day's work.....
 COST, \$2000

DWELLING

(2135) N JOSEPH 198 W Colusa, Berkeley. One-story 5-room dwelling.
 Owner.....E. A. Janssen, Hearst Bldg., San Francisco.
 Architect...None.
 Day's work.....
 COST, \$2000

DWELLING

(2140) S SAN BENITO 50 E Marin Ave., Berkeley. One and one-half-story 6-room dwelling.
 Owner.....A. J. Eddy.
 Architect...None.
 Contractor...R. R. Bixby, 2449½ Webster, Oakland.
 COST, \$3000

FRAME DWELLINGS

(2141) PTN 100 N — NE COR. ARCH & Eunice E 135xN 50, Berkeley. All work except finish hardware, electric fixtures and shades for two one-story four-room frame dwellings.
 Owner.....Bertha A. Snell.
 Architect...None.
 Contractor...H. W. Taylor, 1432 69th Ave., Oakland.
 Filed Sept. 8, '16. Dated Sept. 6, '16.

Frames up ¼
 Plastered ¼
 Completed and accepted..... ¼
 Usual 35 days..... ¼
 TOTAL COST, \$2880

Bond, none. Limit, 125 days. Forfeit, \$2. Plans and specifications filed.

ADDITION

(2146) NO. 1323 PERALTA AVE., Berkeley. Addition.
 Owner.....Fred Jackson, Premises.
 Architect...None.
 Contractor...Alfred Mabey, 1434 Hearst Ave., Berkeley.
 COST, \$400

ALTERATIONS

(2152) NO. 1349 NORTHSIDE AVE., Berkeley. Alterations.
 Owner.....Mrs. M. Petersen, Premises.
 Architect...None.
 Contractor...J. K. Petersen, Premises.
 COST, \$1000

ALTERATIONS

(2153) NO. 1711 JAYNE AVE., Berkeley. Alterations

Owner.....Alfred E. Wolff, Premises.
Architect...None.
Contractor...W. S. Gilbert, Oakland.
COST, \$1000

DWELLING
(2157) E GRANT 105 N Berkeley Way,
Berkeley. One-story 5-room dwlg.
Owner.....B. F. Butler, 333-A 49th,
Oakland.
Architect...None.
Day's work. COST, \$2600

DWELLING
(2158) W OXFORD 175 N Los Angeles,
Berkeley. One-story 5-room dwlg.
Owner.....Mary Hood, 446 66th, Bkly
Architect...W. L. Broderick, 1201 Co-
lusa, Berkeley.
Contractor...J. S. Hanson, 1313 Blake,
Berkeley.
COST, \$2500

FRAME DWELLING
(2160) LOT 1 Ocheltree Sbdvn, being
a sbdvn Blk 18 Lots 2 and 3 Berkeley
Villa Ass'n, being N Berryman 135 E
Bonita, Berkeley. All work for one-
story frame dwelling.

Owner.....G. B. Ocheltree, Los An-
geles, Cal.
Architect...F. Holberg Reimers, 2125
Shattuck Ave., Berkeley.
Contractor...Curtis Wright, 2127 Kitt-
ridge, Berkeley.
Filed Sept. 12, '16. Dated Aug. 15, '16.
Frame up 1/4
Brown coated 1/4
Completed and accepted 1/4
Usual 35 days 1/4
TOTAL COST, \$1200

Bond, none. Limit, 50 days. Forfeit,
none. Plans and specifications filed.
NOTE:—1st report No. 2115.

GARAGE
(2164) NO. 50 THE UPLANDS, Ber-
keley Garage.
Owner.....F. L. Ditzler, 134 Parkside
Drive, Berkeley.
Architect...None.
Contractor...Jacob Kollmer, 2813 Stuart,
Berkeley.
COST, \$400

DWELLING
(2193) NO. 1931 McGee, Berkeley. One-
story 5-room dwelling.
Owner.....A. H. Broad, 2117 Kittridge
Berkeley.
Architect...None.
Day's work. COST, \$1950

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2165	Turrell	Stolte	1975
2166	Betteri	Richards	500
2167	Mills	Burgner	700
2168	Littlefield	Owner	1000

DWELLING
(2165) W MORTON 75 S Pacific, Ala-
meda. One-story 4-room dwelling.
Owner.....H. N. Turrell, 841 Walker
Ave, Oakland.
Architect...None
Contractor...F. Stolte, 3449 Laguna Ave
Oakland.
COST, \$1975

ALTERATIONS
(2166) NOS. 1213-15 LINCOLN AVE.,
Alameda. Alterations.

Owner.....N. L. Betteri, 1215 1/2 Lin-
coln Ave., Alameda
Architect...None.
Contractor...L. D. Richards, 1620 Bay,
Alameda.
COST, \$500

ALTERATIONS
(2167) NO. 1817 CLINTON AVE., Ala-
meda. Alterations.
Owner.....P. C. Mills, Premises.
Architect...None.
Contractor...A. J. Burgner, 1601 High,
Alameda.
COST, \$700

GARAGE
(2168) NO. 2420 CENTRAL AVE., Ala-
meda. Garage.
Owner.....E. E. Littlefield, Premises.
Architect...None.
Day's work. COST, \$1000

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED	ACCEPTED
Sept. 11, 1916—NOS. 2932-34 GROVE. Bkly. Milton E D'Asquith to Wm J Baker.....	Sept. 8, 1916
Sept. 11, 1916—PTN LOTS 1 AND 2 Blk 21 Daley's Scenic Park, Bkly. Alpha Kappa Lambda Fraternity to Riddell Bldg Service Corp.....	Sept. 1, '16
Sept. 13, 1916—LOT 2 BLK "I" 4th Ave Terrace, Okd. James Mc- Guinness to whom it may concern	Sept. 12, 1916
Sept. 13, 1916—LOT 37 Map 4th Ave Terrace Ext and Lot 75 Map 4th Ave Terrace Ext, Okd. Paul E Woodburn to whom it may concern	Sept. 13, 1916
Sept. 13, 1916—LOT 8 BLK "E" Bry- ant Tract, Bkly. Genevieve A	

Clean Traveling.



Electric travel does away with the
grime, soot and other disagree-
able inconveniences that go with
usual railroad travel.

You are brought to your des-
tination feeling just as fresh as
when you started.

Use the electric line between
San Francisco [and, Oakland and
Sacramento, Woodland, Oroville,
Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.



LEAVE KEY ROUTE FERRY.
Leave Daily except as noted.
7:20A Sacramento, Dixon Jct., Pitts-
burg, Bay Point. Carries Ob-
servation Car. Through train
to Chico, Marysville, Colusa
Oroville and Woodland.
8:00A Concord, Diablo and Way Sta-
tions.
9:00A Sacramento, Bay Point, Pitts-
burg, Dixon, Chico, Woodland.
Carries Parlor Observation
Car.
9:40A Placerville, Concord, Sundays and
Holidays.
11:20A Sacramento, Pittsburg, Bay
Point, Colusa, Chico.
1:00P Sacramento, Pittsburg, Bay
Point, Colusa, Chico, Woodland
3:00P Sacramento, Dixon, Pittsburg,
Bay Point, Elverta, Wood-
land.
4:00P Concord and Way Stations.
4:40P Sacramento, Pittsburg, Dixon
Jct., Marysville, Colusa, Oro-
ville and Chico. Observation
Car.
5:15P Pittsburg, Concord, Danville and
Way Stations, except Sundays
and Holidays.
8:00P Sacramento, Pittsburg, Dixon,
Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co., S. F.; People's
Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker,
2156 Telegraph Ave.; dealer in me-
hogany, antique and all kinds of
furniture; repairs and polishing;
Telephone Oakland 1711.

CHICAGO BRIDGE COMPANY OPENS OFFICES IN FLORIDA.

The Chicago Bridge & Iron Works
whose local offices are in the Monadnock
Bldg., San Francisco, have opened an
office in Jacksonville, Florida, in the
Florida Life Building, in charge of El-
wood G. Ladd. This office will handle
the company's sales in the States of
Georgia, Florida and Alabama.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

Brennan to whom it may concern...
 Sept. 13, 1916—LOT 20 BLK "A"
 Grand Ave Heights, Piedmont,
 Bertha S and George A Sisson to
 John Kringlein.....Sept. 11, 1916
 Sept. 14, 1916—PTN LOTS 26 AND 27
 Blk 3 4th Avenue Heights, Okd.
 Mabel Woodard to E W Woodard.....
 Sept. 14, 1916—LOT 43 BLK "C" 4th
 Ave Terrace, Okd. Mabel Woodard
 to E W Woodard.....Sept. 14, 1916
 Sept. 14, 1916—NE MONTGOMERY &
 John, Okd. Frank Romano to Ed
 Collins.....Sept. 12, 1916
 Sept. 14, 1916—N 15 LOT 185; all Lots
 187 and 189 and S 25 Lot 191, Ter-
 minal Junction Tract, Albany.
 Annie D Morris to A R Morris.....
 Sept. 12, 1916

LIENS FILED

ALAMEDA COUNTY.

Sept. 11, 1916—(1) PTN AUGIN-
 baugh 223.374 acre Tract; Lots 22,
 25, 26 and 27 and ptn Lots 23 and
 24 Sec 11 and Lot 6 Sec 14 Tp 2 S
 Range 4 W M D M Sale Map No. 10
 of Salt Marsh & Tide Lands, Ala.
 E. K Wood Lumber Co vs Surf
 Beach Lumber Co and Surf Beach
 Park Co.....\$146.35
 Sept. 11, 1916—N MARIN AVE 30 W
 Pomona Ave 30x100, Albany. S C
 Walker vs A R and Jone Doe
 Morris.....\$53.50
 Sept. 13, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102-6 N
 40.064, Bkly. C J A Mattson vs
 George W Coles and George W
 Patton.....\$232
 Sept. 13, 1916—PTN LOTS 3, 4, 5 W. G.
 Henshaw's Sbdvn of Lots at 24th
 and Bay Place, Okd. James Cahill
 & Co vs L E and O E Allen.....\$36.95
 Sept. 13, 1916—LOT 11, W. G. Hen-
 shaw Sbdvn Lots at 24th and Bay
 Place, Okd. A J Simons vs C L
 Adams, O E and Laura E Allen.....\$63.65
 Sept. 13, 1916—N TWENTY-FOURTH
 317.50 E Valdez E 40xN 100, Okd.
 Chester A Gossett vs Laura E and
 Orrin Allen.....\$39.25
 Sept. 13, 1916—E ORRIN DRIVE 100
 N 24th E 100xN 35, Okd. E Dinneen
 vs Laura E and Orrin Allen.....\$18
 Sept. 13, 1916—N TWENTY-FOURTH
 317.50 E Valdez E 40xN 100, Okd.
 E Dinneen vs Laura E and Orrin
 Allen.....\$75
 Sept. 13, 1916—LOT 40x100 on SE Cor.
 Prince and Shattuck Ave, Bkly. S
 C Walker and S H Nolen sv C W
 Coles and Geo W Patton.....\$90.50
 Sept. 13, 1916—NE TWENTY-FOURTH
 and Valdez E 279 N 203 fm pt beg
 W 108 N 32 E 82 SE 41, Okd. Bass
 Heuter Paint Co vs Laura E and
 O E Allen.....\$131.72
 Sept. 13, 1916—NE TWENTY-FOURTH
 and Valdez E 328-N 138 fm pt beg
 W 140 N 32 E 115 S 41, Oakland.
 Bass-Heuter Paint Co vs Laura E
 and O E Allen.....\$131.72
 Sept. 13, 1916—NE TWENTY-FOURTH
 and Valdez E 358-N 100 to pt of
 commencement W 167-5 N 88 E 140
 SE 50, Okd. Bass-Heuter Paint Co
 vs Laura E and O E Allen.....\$263.43
 Sept. 13, 1916—SE PRINCE AND
 Shattuck Ave E 100 S 40 W 102.50 N
 40.064, Bkly. Bass-Heuter Paint
 Co vs Geo W Patton, Charles W
 Coles and P J Wright.....\$75

Sept. 13, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102.50 N
 40.064, Bkly. N W Parker vs Geo
 W Patton and Charles W Coles.....\$582.50
 Sept. 13, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102.50 N
 40.064, Bkly. C W Sanford and M
 A Beardsworth (Best Sheet Metal
 Works) vs Geo W Patton and Chas
 W Coles.....\$90.50
 Sept. 13, 1916—N TWENTY-FOURTH
 317.50 E Valdez E 40xN 100, Okd.
 Sunset Lumber Co vs Laura E and
 O E Allen.....\$68.48
 Sept. 13, 1916—PTN LOTS 3, 4 AND 5
 Map W. G. Henshaw's Sbdvn Lots
 at 24th and Bay Place and also ptn
 Lot 1 Map Duffy Tract, Okd. Sun-
 set Lumber Co vs Laura E and O
 E Allen.....\$765.07
 Sept. 13, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102-6 N
 40.064, Bkly. C A Elenius vs Geo
 W Patton and Charles W Coles.....\$150
 Sept. 13, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102-6 N
 40.064, Bkly. John Stammit vs
 George W Patton and Charles W
 Coles.....\$390
 Sept. 13, 1916—LOT 2 BLK "S" New-
 berry Tract, Bkly. Berkeley Elec-
 trical Co vs George W Patton and
 Charles W Coles.....\$153.87
 Sept. 13, 1916—LOT 22 BLK 3 Amend-
 ed Map Thousand Oaks Court, Oak-
 land Tp. Swift & Wilcox vs R E
 Stubbe, George Friend and P J
 Wright.....\$302.05
 Sept. 13, 1916—LOT 20 BLK 3 Amend-
 ed Map Thousand Oaks Court, Oak-
 land Tp. Swift & Wilcox vs R E
 Stubbe and George Friend.....\$312.50
 Sept. 13, 1916—NE TWENTY-FOURTH
 and Valdez E 318-6 fm pt beg N 100
 xE 40, Okd. F W Foss Co vs L E
 and O E Allen.....\$187.03
 Sept. 13, 1916—NE COR TWENTY-
 fourth and Valdez E 358-6 N 100
 fm pt beg W 167-5 N 38 E 140 SE
 50, Okd. F W Foss Co vs L E and
 O E Allen.....\$225.60
 Sept. 13, 1916—NE COR TWENTY-
 fourth and Valdez E 279 N 203 fm
 pt beg W 108 N 32 E 82 SE 41,
 Okd. F W Foss Co vs L E and O E
 Allen.....\$113
 Sept. 13, 1916—NE COR. TWENTY-
 fourth and Valdez E 328-6 N 138
 fm pt beg W 140 N 32 E 115 SE 41,
 Okd. F W Foss Co vs L E and O E
 Allen.....\$113
 Sept. 13, 1916—NE COR. TWENTY-
 fourth and Valdez E 181 N 140 fm
 pt beg W 70 N 40 E 61 SE 40, Okd.
 F W Foss Co vs L E and O E Allen
\$113
 Sept. 13, 1916—N TWENTY-FOURTH
 317.50 E Valdez E 40xN 100, Okd.
 George H Tay Co vs J M Dale and
 Laura E Allen.....\$14.27
 Sept. 13, 1916—SV LOT 3 8.31 NW
 parcel land described in Deed from
 Henry L Hinman and wife to O E
 Allen, recorded Liber 2182 Page 180
 SE 8.31 NE 15.64 SE 8.42 SE 42.63
 NW 143.52 th on curve to left 32 SE
 96-14, Okd. George H Tay Co vs
 J M Dale and Laura E Allen.....\$155.50
 Sept. 13, 1916—PTN 100 N TWENTY-
 fourth and 220 E Valdez E 100 NW
 45 W 96 S 40, Okd. C L Adams vs
 Laura E and Orrin Allen.....\$200
 Sept. 13, 1916—TWENTY-FOURTH
 on W line Lot 11 th 100 N to pt
 intersection Lot 5 Map Wadsworth
 Tract and Map Duffy Tract of Hen-

shaw Sbdvn known as W G Hen-
 shaw Sbdvn E to E line Lot 11 S to
 N line 24th W to pt beg, Okd. C
 L Adams vs Laura E and Orrin
 Allen.....\$175
 Sept. 14, 1916—N TWENTY-FOURTH
 317.05 E Valdez E 40xN 100, Okd.
 W J Rigney (as the Oakland Man-
 tel Co) vs Laura E and O E Allen
\$24
 Sept. 14, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102.05 N
 40.064, Bkly. Rhodes-Jamieson &
 Co vs Geo W Patton, Chas W Coles
 and S G Bramhall.....\$224.25
 Sept. 14, 1916—SE PRINCE & SHAT-
 tuck Ave E 100xS 40, Bkly. E Din-
 neen vs Charles W Cole and Geo
 Patton.....\$54
 Sept. 14, 1916—PTN LOT 7 BLK "U"
 Revised Map Oakland Heights, Okd.
 B C White vs H Louise Mayon and
 C F Fallmer.....\$56.95
 Sept. 14, 1916—PTN LOT 7 BLK "U"
 Revised Map Oakland Heights, Okd.
 B C White vs C F Fallmer.....\$57.45
 Sept. 14, 1916—PTN LOT 7 BLK "U"
 Revised Map Oakland Heights, Okd.
 J Cateuci vs H Louise Mayon.....\$145
 Sept. 14, 1916—PTN LOT 7 BLK "U"
 Revised Map Oakland Height, Okd.
 J Cateuci vs Charles Fallmer.....\$273
 Sept. 14, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102-6 N
 40.064, Bkly. Sunset Hardware Co
 vs C W Coles and George W Pat-
 ton.....\$145.26
 Sept. 14, 1916—N TWENTY-FOURTH
 317.50 E Valdez E 40xN 100, Okd.
 National Roofing Co vs Laura E
 and O E Allen.....\$89
 Sept. 14, 1916—N 40 LOT 2 BLK "B"
 Map Eastern Ptn Newbury Tract,
 Bkly. W H Burt vs Charles W
 Coles and George W Patton.....\$32
 Sept. 14, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102-6 N
 40.064, Bkly. Panama Lumber &
 Mill Co vs Charles W Coles and
 George W Patton.....\$885.11
 Sept. 14, 1916—N 40 LOT 2 BLK "B"
 Map E Ptn Newbury Tract, Bkly.
 T A Johnson vs C W Coles and Geo
 W Patton.....\$85
 Sept. 14, 1916—SE PRINCE & SHAT-
 tuck Ave E 100 S 40 W 102-6 N
 40.064, Bkly. California Door Co
 vs E W Coles and George W Pat-
 ton.....\$580
 Sept. 14, 1916—(1) PTN AUGIN-
 baugh 223.374 acre Tract; (2) Lots
 22, 25, 26, 27 and ptn Lots 23 and
 24 Sec 11 and Lot 6 Sec 14 Tp 2 S
 Range 4 W M D M Sale Map No.
 10 Salt Marsh & Tide Lands,
 Alameda. J O Davis vs Surf Beach
 Amusement Co, August Freese, A T
 Spence, Alameda Park Co, H W
 Owens, Wm Edwards, Newark De-
 velopment Co, Harvey M Foy, F W
 Lucas, S F Walter, Strehlow, Freese
 & Peterson, John Doe and Richard
 Roe and Black & White Co.....\$4800
 Sept. 15, 1916—NE COR. TWENTY-
 fourth and Valdez E 279 N 203 fm
 pt beg W 108 N 32 E 82 SE 41,
 Okd. Hansen Floor Co vs O L and
 Laura E Allen.....\$50.12
 Sept. 15, 1916—NO. 2424 ORRIN
 Drive, Okd. Sunset Lumber Co vs
 Laura E and O E Allen.....\$1735.98
 Sept. 15, 1916—PTN LOT 1 Map Duf-
 fy Tract, Okd. Sunset Lumber Co
 vs Laura E and O E Allen.....\$721.23
 Sept. 15, 1916—NO. 2429 ORRIN
 Drive, Okd. Sunset Lumber Co vs
 Laura E and O E Allen.....\$809.09
 Sept. 15, 1916—LOT 16 BLK 9 Map

Filed Sept. 8, '16. Dated Sept. 2, '16.
 October 7, 1916..... 75%
 Work done bet. October 7, 1916
 and completion 75%
 Usual 35 days..... 25%
TOTAL COST, \$—

STREET IMPROVEMENTS—Cost not stated. Salinas, Monterey Co., Cal. Engineer, City Engineer, Salinas. Owners, City of Salinas. The City Council has awarded contracts for street work as follows: To J. A. Dontanville, Salinas, for grading the roadway of that portion of Stone street from the north line of Central avenue to the south line of Market street, and constructing thereon a hydraulic cement concrete base with a two-course asphalt and creening surface, to the official grade,

BUNGALOW
NO. 318 MT. DIABLO AVE., San Mateo.
All carpenter, mill, tile, brick, tin
and cement work, shingling, plaster-
ing, etc., for one-story 5-room bunga-
low.

Bond, \$3600. Surety, New Amsterdam Casualty Co. Limit, Nov. 16, 1916. Forfeit, none. Plans and specifications filed.

BRIDGE

NEAR MENLO PARK, San Mateo and Santa Clara Counties. All work for bridge.

Owner.....Elise A. Drexler, Kohl Bldg., San Francisco.
Architect...Houghton Sawyer, Shreve Bldg., San Francisco.
Contractor...Collman & Duncan, 508 Sharon Bldg., S. F.

Filed Sept. 8, '16 Dated Aug. 23, '16.
As work progresses payments of75% and 25%
TOTAL COST, \$3495

Bond, \$1747.50. Sureties, New Amsterdam Casualty Co. Limit, 45 working days. Forfeit, \$5 per day. Plans and specifications filed.

MARIN, CONTRA COSTA AND SONOMA COUNTIES

STREET IMPROVEMENT—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on September 25th at 8 p. m. for street improvements authorized under the following resolution: That the alley between Bishop avenue and Crest avenue, from the center line of the alley running from Front avenue to Crest avenue northeast, a distance of 280 feet, a portion of Bishop avenue and Front street, be improved by constructing 8, 12 and 6 inch, vitrified, salt-glazed sewer pipe, manholes of brick and concrete, lampholes of vitrified, salt-glazed sewer pipe, Y branches, vitrified, salt-glazed sewer pipe and risers of vitrified, salt-glazed sewer pipe with bends and tees with cast iron vents and covers, be constructed on said sewers.

STREET IMPROVEMENTS—Cost as follows. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. One street contract was withheld and two others awarded by the Council at its last meeting. J. E. Staniger, who submitted the low bid for the improvement of Contra Costa street, was not awarded the contract because he was not known by the Council. Staniger's bid was \$1,226.08. L. L. Page, 8th and Bissell streets, Richmond, was the other bidder for the work. His bid was \$1,856.32. S. C. Rogers, 101 Chancellor avenue, Richmond, was awarded the contract for improving one block on First street. His bid was \$2,563.26. Other bidders were G. W. Cushing, \$3,266.68; J. C. Staniger, \$3,161.58; L. L. Page, \$3,944.10. The contract for installing sewers in Pullman Park tract was awarded to Chambers & Heafy, Bacon Bldg., Oakland. Their bid was \$2,020.50. Other bidders were J. F. Staniger, \$2,293.40; Raven & Co., \$2,140; L. L. Page, \$2,141. The bid of F. R. Ritchie was declared not valid, it having no signature or date.

MACHINE SHOP ADDITION—1 story reinforced concrete, \$10,000. Benicia, Solano Co., Cal. Engineers, Bureau of Yards and Docks, Washington, D. C. Owners, United States Government. Bids will be called for shortly for the construction of a one-story addition to the machine shop at Benicia. Further mention will be made of the work.

CULVERTS AND STORM DRAINS

Cost not stated. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Bids will be opened on October 2nd for the construction of two reinforced concrete storm drains and seven concrete and corrugated iron culverts.

STREET PAVING—Cost not stated. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Contractors, Blake Bros., Oakland Bank of Savings Bldg., Oakland. Contract price not stated.

BUILDING CONTRACTS

MARIN COUNTY.

BUNGALOW

ROSS, Marin Co. Excavation, concrete, carpenter work, mill work, etc., for two-story and basement bungalow. Owner.....Maxwell H. Thomson, Ross California.

Designer...C. G. Sullivan, 318 Second Ave., San Francisco
Contractor...C. G. Sullivan, 318 2d Ave., San Francisco.

Filed Sept. 8, '16, Dated Sept. 7, '16.
Frame up\$1800
Enclosed1800
Completed1800
Usual 35 days.....1800
TOTAL COST, \$7200

Bond, \$3600. Sureties, Herman Lawson and James Pinkerton. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

COTTAGE

SEVENTEENTH, bet. Bissell and Chancellor Sts., Richmond. Cottage.
Owner.....J. Ough, 129 17th St., Richmond.
Architect...None.
Day's work. COST, \$1800

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

HIGHWAY CONSTRUCTION—Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. At the last meeting of the Kings County Supervisors, the Board instructed the County Clerk to advertise for bids for the unit of highway running from the north terminus of Dooty street to the Alcorn bridge, 6 miles north, and for a strip three miles east from this unit into the Excelsion district, a total of 9½ miles. The bids will be opened on October 2nd. Plans for this work may be had from the County Clerk.

STREET PAVING, ETC.—Cost as follows. Tulare, Tulare Co., Cal. Engineer, City Engineer, Tulare. Owners, City of Tulare. Two bids were received by the City Trustees for the paving of three streets in Tulare. The bids received were as follows: Clark & Henery Construction Co., Ochsen Bldg., Sacramento—Grading, 1c; paving, 11.2c; gutters, 3c; curbs, 2c.

Federal Construction Co., 323 Sharon Bldg., S. F.—Grading, ½c; paving, 11.5c; gutters, 20c; curbs, either 38c or 3.8c.

The bids were referred to the City Engineer for report.

BRIDES—Reinforced concrete.

Cost as follows. Madera, Madera Co., Cal. Engineer, County Surveyor, Madera. Owners, Madera County. At the last meeting of the County Supervisors bids were received for the building of four bridges. They are the Bethel bridge over upper Fine old Creek, a bridge over the North Fork of the San Joaquin River at the Pine road, one over Winkelman Creek at the Pines road and one over Berenda Slough. The bids were as follows: Ed Layne, Madera, Winkelman, \$935; Bethel, \$1398; Pine, \$1342, and Berenda, \$2470. J. P. Hurt, Berenda, \$2380; Winkelman, \$870; Bethel, \$1209, and Pines, \$745. Manning Bros., Fresno, Berenda, \$3,370. J. P. Hurt was given the contract for the Winkelman and Pines bridges. The Berenda Slough and Bethel bridges will be readvertised, as the Board believed the bids were too high. If the bids are not lowered they will be built by Day Labor by the county.

RESIDENCE—1½ story and base, frame, \$6,000. Newman, Stanislaus Co., Cal. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, William J. Burris, Cashier First National Bank, Newman. Will contain eight rooms, two baths and sleeping porches. Separate garage. Plans being prepared.

JAILS—2, 1 story, reinforced concrete. Cost not stated. Bakersfield, Kern Co., Cal. Architect's name not given. Owners, Kern County. Bids will be opened on October 14th for two small jail buildings, one to be erected at Mojave and the other at Hanburg.

DRAINAGE DITCHES—Cost not stated. Engineer, County Surveyor, Merced. Owners, Merced County. One of the most important actions of the County Supervisors at their last meeting was the ordering of the construction of the drainage canal in Drainage District No. 2. Plans and specifications for this work as prepared by the County engineer, were approved and an order made requiring that official to proceed to make an estimate and assessment of the cost of the work. In the Drainage Improvement District No. 2 matter the Board ordered work to be done. Plans and specifications were adopted and the County Surveyor ordered to make an estimate and assessment as to the work.

CHURCH—1 story and base, frame, \$20,000. Merced, Merced Co., Cal. Architects, Shea & Lofquist, Bankers' Investment Bldg., S. F. Owners, La Merced de Dios. Location, 21st and L Sts. Will contain main auditorium, seating 50 people, Sunday school rooms and pastor's study. Plans complete and figures to be called for shortly.

Contracts Awarded.

BRIDGE—Reinforced concrete, \$5,986. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. Contractors, Parlier & Green, Tulare. Contract price, \$5,986.

LIBRARY—1 story and base, brick, \$12,383. Madera, Madera Co., Cal. Architect's name not given. Owners, City of Madera. Contractor, Edward Layne, Madera. Contract price, \$12,383.

SCHOOL—2 story and base. Class C construction, \$47,000. Visalia, Tulare Co., Cal. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, City of

Visalia. Contractor, D. B. Day, Woodlake, general construction, \$39,294. Visalia Plumbing Co., heating and ventilating, \$4,000.

HIGHWAY IMPROVEMENT—Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. Contractors, Ralsch Improvement Co., Crocker Bldg., S. F. Contract covers the construction of 1½ miles of highway. Contract price not stated.

BUILDING CONTRACTS

FRESNO COUNTY.

GARAGE
LOTS 22 AND 23 BLK 86, Fresno. All work for garage.

Owner.....D. H. Trowbridge, L and San Joaquin Sts., Fresno.
Architect...None.
Contractor...R. F. Felchlin, Rowell Bldg., Fresno.

COST, \$8300

BRICK STORE
PTN LOTS 1, 2, 3 BLK 104, Fresno. All work for one-story and basement brick store building.

Owner.....E. F. Mitchell.
Architect...Glass & Butner, Republican Bldg., Fresno.
Contractor...R. F. Felchlin, Rowell Bldg., Fresno.

Filed Sept. 8, '16. Dated Sept. 5, '16.
Excavation completed and brick work up to 1st floor joists...\$1387.50
Roof on1387.50
Completed1387.50
Usual 35 days.....1387.50
TOTAL COST, \$4550.00

Bond, \$2275. Surety, Maryland Casualty Co. Limit, 60 days. Forfeit, none
Plans and specifications filed.

DWELLINGS
LOTS 27, 28 AND 29 BLK 101, Fairmount. All work for two dwellings.
Owner.....S. J. Holding Co.
Architect...None.
Contractor...H. T. Humphreys, 534 Poplar St., Fresno.

COST, \$1600

GARAGE
LOTS 29 TO 32 BLK 69, Fresno. All work for garage.

Owner.....Everets, Ewing & Scholler, Union Mutual Bank Bldg., Fresno.
Architect...None.
Contractor...Emmett Riggins, Tulare & H Sts., Fresno.

COST, \$12,000

BRICK WALL
S. P. RESERVATION, Fresno. Brick wall at south end of warehouse.
Owner.....Kutner-Goldstein Co., 1701 Mariposa St., Fresno.
Architect...None.
Contractor...E. Riggins, Tulare and H Sts., Fresno.

COST, \$1800

CHURCH
LOTS 19 AND 20 BLK 11, Belmont Addition, Fresno. Church.

Owner.....W. E. Opie, Trustee.
Architect...None.
Contractor...W. C. Helms.

COST, \$1000

NOTICE OF NON-RESPONSIBILITY.

FRESNO COUNTY.

Sept. 13, 1916—LOCATION NOT given. Central Pacific Railway Co as to work on ptn reservation leased by Hobbs-Parsons Co.....

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
Sept. 13, 1916 LOTS 21 AND 22 BLK 1, Del Mar Tract, Fresno. Nellie B Hay to whom it may concern.....
.....Sept. 13, 1916
Sept. 13, 1916—LOT 3 North Hill Addition, Fresno. Wm Lambert to whom it may concern. Sept. 13, 1916

ALIENS FILED

FRESNO COUNTY.

RECORDED AMOUNT
Sept. 11, 1916—LOTS 31 AND 32 BLK 18, Fresno. F J Stone vs Vivia A Carlyle\$190

NOTICES OF NON-RESPONSIBILITY.

FRESNO COUNTY.

Sept. 11, 1916—LOCATION NOT given. S P Railway Co as to work done for Cudahy Packing Co.....
Sept. 11, 1916—LOCATION NOT given. S P Railway Co as to work performed at request of Alex Lion.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

STREET IMPROVEMENT—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commission has awarded a contract to A. Teichert & Son, Ochsner Bldg., Sacramento for the following work: That Spofford avenue from the south line of Madrone avenue to the north line of Cypress avenue, be improved by constructing concrete gutter, one concrete manhole, 6-inch, vitrified, ironstone sewer pipe drains; placing two cast iron gutter drains with 6-inch, vitrified ironstone sewer pipe elbows attached; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

BRIDGES—2 reinforced concrete. Cost not stated. Redding, Shasta Co., Cal. Engineer, County Surveyor, Redding. Owners, Shasta County. Bids will be opened on October 2nd at 2 p. m. for the construction of two reinforced concrete girder bridges over Griffiths Gulch on the Anderson-Olinda road.

RESIDENCE—1 story and base, frame, \$3,500. Ripon, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, C. K. Bainbridge. Will contain six rooms, bath and sleeping porch. Plans being prepared.

LONGALOW AND BARN—1 story frame, \$2,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner,

Mr. Clayborn. Will contain five rooms, bath and sleeping porch. Plans being prepared.

HIGHWAY CONSTRUCTION—Cost not stated. Sacramento, Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on October 9th at 2 p. m. for highway grading in Sonoma County between Cotati and Petaluma, a distance of about 3.6 miles.

STREET IMPROVEMENTS—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Clark & Henry Construction Co., 38 South Sutter street, Stockton, has been awarded the contract by the City Council for the following street work: The improvement of portions of Pine, Hazel, Locust, Hawthorne, McCloud avenue, Chestnut, Walnut and Maple, by grading, curbing and guttering; concrete sidewalks; paving the roadway with asphalt concrete 4 inches thick after rolling on a base of gravel of a cementing nature 2 inches thick after rolling.

LIBRARY—3 story and base, Class C construction, \$130,000. Sacramento, Cal. Architect, Loring P. Rixford, Sharon Bldg., S. F. Owners, City of Sacramento. Location, 9th and I Sts. Will contain main library, school department, work room and offices. Plans complete and figures being taken. Bids open on October 5th. Plans can be secured from the Clerk of the Library Commission at Sacramento or from the architect.

SCHOOLS—2, 1 story and base, hollow tile, \$27,000 and \$3,000. Placerville, El Dorado Co., Cal. Architects, N. W. Sexton & Co., Merchants' National Bank Bldg., S. F. Owners, Placerville School District. All bids for the construction of these two buildings have been returned to the bidders unopened. This action was taken because the Board of Education believed that it was impossible to get the buildings under roof before the winter set in. New bids will be called for in the spring.

SCHOOL—1 story and base, brick or reinforced concrete, \$26,000. Ukiah, Mendocino Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Ukiah. Preliminary plans for the first unit of the proposed new school will be approved at the next meeting of the Board of Education. A \$60,000 building will be erected in units of three. Further mention will be made of this work.

BRIDGES—7 reinforced concrete. Cost not stated. Willows, Glenn Co., Cal. Engineers, Leonard & Day, Rialto Bldg., S. F., and County Surveyor, Willows. Owners, Glenn County. Bids will be opened on October 3rd for the construction of four bridges designed by Leonard & Day and for three smaller structures designed by the County Surveyor.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on September 26th for street work authorized under the following resolutions: That 31st street, from the north line of B street to the north line of J street, be improved by constructing concrete curb; concrete gutter; grading the space between the property line and curb; constructing con-

crete sidewalk; 6 and 8 inch, vitrified, ironstone sewer pipe drains; reconstructing two concrete manholes; constructing eleven concrete manholes complete, placing twenty-seven cast iron gutter drains with 6 inch, vitrified, ironstone sewer pipe elbows attached; grading the roadway and constructing thereon an asphaltic concrete concrete pavement, consisting of a excavating and backfilling of trenches, hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick.

That the alley between K and L Sts. from the east line of 14th street to the west line of 15th street, be improved by constructing one concrete catch basin; placing 6 linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catch basin to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 6 inches thick and a sheet asphalt wearing surface 1½ inches thick.

That the alley first north of First avenue in Oak Grove, from the manhole in place in Lower Stockton Road to a point 162 feet west from the center line of East avenue, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; three concrete manholes, placing 58 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer, and doing all necessary excavation.

HIGHWAY CONSTRUCTION—Cost not stated. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. The County Supervisors have rejected all bids received for the construction of a road 3½ miles in length, which was to be constructed of waterbound macadam. Three bids were received, but all considered too high, and the work was ordered done under the supervision of Supervisor Holmes.

ROAD IMPROVEMENTS—Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. The County Supervisors have rejected all bids received for the construction of the earthwork on the portion of the county road extending from the town of Colusa to the town of Sycamore, and the work has been ordered done under the supervision of C. J. Wescott, Supervisor of the district.

Contracts Awarded.

ROAD GRADING AND CULVERTS—Cost not stated. Auburn, Placer Co., Cal. Engineer, City Engineer, Auburn. Owners, City of Auburn. Contractors, Paul & Caldwell, Stockton. Contract price not stated.

BRIDGE AND FILL—\$3,964 and \$2,380. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, E. D. Sharp, Gridley, concreting bridge floor. Contract price, \$3,964. Hewitt & Felch, Marysville, Ill. Contract price, \$2,380.

BRIDGES—Timber and reinforced concrete. Cost as follows. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. The County Supervisors at their last meeting awarded contracts for road and bridge improvements totaling \$16,626.75. W. F. Notley was awarded the contract for constructing the Elk and Bridge Creek structures at

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993 515 J. St., Sacramento

\$2,549. Poland & Robinson were the successful bidders for building the highway bridge across the North Fork of the Mattole River near Petrolia. Their bid was \$1,385. The contract for the Jordan and Bear Creek jobs went to Mercer-Praser Co., 1st and G streets, Eureka on a bid of \$1,710. These two bridges and those across Elk and Bridge Creeks are on the State highway in Supervisory District No. 2. Henry Padgett, Field Landing, was the successful bidder on the Lost Man's Creek contract near Orick. Walter R. Hunter will construct a section of road in the Mattole Valley, having bid to do the work for \$600. On the Davis Creek bridge D. C. Farnell was the winner on a bid of \$790. The Rease Creek bridge will be built by H. Padgett on his bid of \$1,767.

HOSPITAL WARD—1 story, frame, \$1,000. Redding, Shasta Co., Cal. Architect, none. Owners, Shasta County. Contractors, W. H. Bolton and W. A. Rhyness, Redding. Contract price, \$1,000.

HOSPITAL WARDS—2, 2 story and base, hollow tile, \$76,077. Sacramento, Cal. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners Sacramento County. Contractor, William C. Keating, Forum Bldg., Sacramento. Contract price, \$76,077.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That S street, from Front street to 31st street, be improved by constructing concrete sidewalk on official line and grade where concrete sidewalk does not exist on official line and grade, and grading the space between the prop-

erty line and curb. Awarded to L. Beancalana.

That T street, from Front street to 28th street, be improved by removing and disposing of all surplus and refuse material in the sidewalk area; constructing concrete sidewalk 6 feet wide and 2½ inches thick on official line and grade, where concrete sidewalks do not exist on official line and grade, and grading the space between the property line and curb. Awarded to L. Beancalana.

That M street, from 26th street to 31st street, be improved by grading the space between the property line and curb where concrete sidewalk does not exist on official line and grade. Awarded to A. Olsen, 2724 1st avenue, Sacramento.

BUILDING CONTRACTS SACRAMENTO COUNTY.

FRAME DWELLING
NO. 1029 McCULLOUGH AVE on Lot 1220 W & K Col 25, Sacramento. All work for frame dwelling.
Owner.....Frank P. Walker, 1416 14th St., San Francisco.
Architect....None.
Contractor...Carl Koch, 3330 Cornell Ave., Sacramento.
COST, \$2100

BUILDING
NO. 2103 HILLCREST AVE on E 60 feet Lot 2 Hillcrest Terrace, Sacramento. Cement block and masonry building.
Owner.....E. D. Bramen, 210 Hillcrest Ave., Sacramento.
Architect....None.
Contractor...Mr. Mead, Sutterville Road Sacramento.
COST, \$1000

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

ADDITION

NO. 514 ELEVENTH ST., on S 40 feet of S 80 Lot 4, E 7 10-11, Sacramento. Add two rooms and bath to dwlg. Owner,.....Mrs. J. Isood, Premises. Architect,.....None.
Contractor, J. B. Stahl, 114 San Francisco Blvd., Sacramento. COST, \$600

BUILDING CONTRACTS

SACRAMENTO COUNTY.

FRAME DWELLING

NO. 2914 TWENTY-FOURTH ST., on S 50 feet Lots 1 and 2 Bk "E" Highland Park, Sacramento. Frame dwlg. Owner,.....G. C. and F. L. Youngman, 928 H St., Sacramento. Architect,.....None.
Contractor, Geo. R. Grimshaw, 930 H St., Sacramento. COST, \$2400

NOTICE OF NON-RESPONSIBILITY.

SACRAMENTO COUNTY.

Sept. 8, 1916—LPT 101, Elmhurst. C M Goethe as to improvements on leased property

LOS ANGELES AND SOUTHERN CALIFORNIA

APARTMENT HOUSE—4 story and base. Class C. Cost not stated. Los Angeles, Cal. Architect, George W. Eldredge, Consolidated Realty Bldg. Owner, D. W. Ferguson. Location, Westlake avenue near Sixth. Will cover an area of 50 by 110 feet. Plans complete and segregated figures being taken.

BRIDGE—Reinforced concrete. Cost not stated. Santa Barbara, Santa Barbara Co., Cal. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Bids will be received by the Board of Supervisors up to 10 a. m. of September 28th for the construction of a reinforced concrete arch bridge across Gaviota Creek at Station No. 104-00 in Sec. E, on the route of the State Highway in the Fourth Road District. Plans and specifications on file at the office of the County Clerk, and may be obtained from the County Surveyor upon deposit of \$10, to be returned. Certified check for 10 per cent required. C. A. Hunt is the Clerk.

BRIDGES — 6, reinforced concrete, \$25,000. San Diego, San Diego Co., Cal. Engineer, County Surveyor, San Diego. Owners, San Diego County. Bids will be received by the Board of Supervisors up to October 4th for the construction of six bridges as follows: 40-foot combination truss bridge across Campo Creek at Campo; 26-foot wooden span with concrete foundations across Descanso Creek near Descanso; 250-foot pile trestle and one 50-foot pile trestle across Sweetwater River at Bonita; 225-foot pile trestle over San Vincente Creek between Lakeside and Foster; 92-foot pile trestle in Green Valley north of Descanso.

HOSPITAL BUILDINGS—1, 3 story and 1, 1 story, concrete and brick. Cost not stated. San Bernardino, San Bernardino Co., Cal. Architect, Lyman Farwell, Story Bldg., L. A. Owners, San Bernardino County. Bids will be

opened on October 11th for this work. Administration building, 92 by 56 feet, and service building, 88 by 115 feet. Plans can be had from the architect or County Clerk.

HOTEL—4 story and base. Class C construction, \$25,000. Los Angeles, Cal. Architect, Edward Gray Taylor, Haas Bldg., L. A. Owner, Fred W. Siegel. Location, San Juan street between 7th and 8th. Will contain 58 rooms and several baths. Plans complete and figures being taken.

DEPARTMENT STORE—6 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architect, John Parkinson, Security Bldg., L. A. Owners, Arthur Fleming and R. C. Gillis, Los Angeles Investment Bldg., L. A. Location, southwest Broadway and Ninth. No details of the construction have been given out as yet. Further mention will be made of the work when the preliminary plans have been completed.

Contracts Awarded

RESIDENCES—2, 2 story and base, frame, \$32,000. Lankershim, Los Angeles Co., Cal. Architect, A. B. Benton, 111 North Spring street, L. A. Owner, F. W. Blanchard, Contractors, William Flemming Co., 692 South Alvarado St., L. A. Contract price, \$32,000.

PORTLAND AND OREGON

APARTMENT HOUSE—3 story and base, brick and concrete, \$45,000. Portland, Ore. Architect, none. Owner, Carl Magnusson, Manager Belt & Dodge Products Co., Portland. Location, Nartilla and Stout streets. Will contain two, three and four room apartments. Plans complete and work to be done by Day Labor.

Contracts Awarded.

HOSPITAL WARDS—2 and 3 story, brick, \$50,000. Portland, Ore. Architect, A. E. Doyle, Worcester Bldg., Portland. Owners, White Shield Home. Contractors, Muir & McClellan, Chamber of Commerce Bldg., Portland.

STORES AND OFFICES—2 story and base, brick and concrete. Cost not stated. Enterprise, Ore. Architects, Tourellotte & Hummel, Rothchild Bldg., Portland. Owner, S. D. Keltner. Contractor, John Oberg, Enterprise. Contract price not given.

SEATTLE AND WASHINGTON

APARTMENT HOUSE—3 story and base, brick and concrete, \$25,000. Seattle, Wash. Architect, F. H. Perkins, Lumber Exchange Bldg., Seattle. Owner, F. J. Tetzner. Location, 18th avenue North. Will cover an area of 40 by 96 feet and contain four six-room and two seven-room apartments. Plans complete and figures being taken.

Contracts Awarded.

STORES—3 story and base, brick, \$40,000. Tacoma, Wash. Architects, Heath & Gove, National Realty Bldg., Tacoma. Owners, Feist & Bachrach. Location, 13th and Broadway, covering an area of 99 by 160 feet. Contractors, Knoll Bros., 1211 South L street, Tacoma. Contract price, \$40,000.

NEW ZEALAND INTEREST IN HEATING APPLIANCES.

AUCKLAND—The heating of factories in certain portions of New Zealand

land has been discussed in Parliament. If efforts to have the factory law amended so as to compel owners of factories in certain of the colder sections of this Dominion to heat the plants during the winter months are successful, there should be a good demand in New Zealand for heating appliances. American manufacturers should study the situation.

The proposed action would lead to a greater general demand for heating appliances such as are placed in public buildings, churches, theatres, etc., and even in the homes, which at present in most parts of the country are poorly heated, as heating is understood in the United States.

HOMESTEADS OPEN OCTOBER 10.

SACRAMENTO—The greater part of Government land open to homesteaders in the Western sides of Shasta and Tehama counties, as well as a portion of the Government land in Siskiyou county, has been declared by the U. S. Geological Survey to be subject to enlarged, or 320-acre homestead application, after October 10, according to Register H. P. Andrews of the Sacramento U. S. Land Office.

GOLD MINING IN THE BOISE BASIN, IDAHO.

The Boise Basin of western Idaho has always been primarily a gold placer region, and for a decade after the discovery of gold there, late in 1862, it is credited with an annual placer production of one to five million dollars. In later years the yield has fluctuated greatly, but in 1912, 1913, and 1914 it still amounted to approximately half a million dollars annually. Many of the veins from which the placers derived their gold were located in the early days, and in recent years they have received increasing attention. To meet the many demands for information concerning these lodes, the United States Geological Survey, Department of the Interior, has just published a reconnaissance report on the region as Bulletin 640-E, which is obtainable on request from the Director of the Survey, Washington, D. C.

According to this report the depression known as the Boise Basin has resulted from the sinking of a fault block 15 miles long and 12 miles wide. The region lies within a great area of granite that extends over more than 20,000 square miles, the surface of a mass known as the Idaho batholith, which is believed to be of late Cretaceous or early Tertiary age. Porphyritic dike rocks in considerable variety were intruded into the granite and afterward the metalliferous veins were formed. The veins occupy zones of close-spaced fracturing in granite, and as the maximum depth to which mining has extended is not great most of the ores now mined are somewhat oxidized.

The principal primary ore minerals are native gold, pyrite, galena, sphalerite, chalcopirite, stibnite, and tetrahydrite. The secondary minerals are cerussite, chalcocite, malachite, and native copper. Only the precious metals are now recovered from these ores, but as the mines go deeper the ores become increasingly base, and in the near future lead, copper, and possibly zinc

will doubtless be saved. Probably less than 50 per cent of the gold can now be saved by amalgamation.

The geologic history of the region after the mineral veins had been formed was eventful. Most of the basin was occupied by a Tertiary lake, formed by the damming of Snake River and its tributaries, and into this lake great sheets of basaltic lava were poured.

It is of interest to note the widespread occurrence in the placer gravels of the Boise Basin of monazite, which is extensively used in the manufacture of gas mantles. This source of supply, however, is not now utilized. An unidentified radium-bearing mineral also occurs sparingly in the gravels at one locality.

PHOTOGRAPHING INTERIOR STRUCTURE OF CONCRETE WORK, SWITZERLAND

— Some successful experiments in photographing the iron reinforcements of concrete work with Roentgen rays, recently made by Inspecting Engineer E. Stettler of the Swiss Railway Department, are attracting much attention among Swiss construction engineers. The advantages of being able to make an examination of the condition of such reinforcements or the proper disposition and situation thereof without destroying the concrete structure are self-evident, as well as the desirability of being able to make an inspection of the position of the reinforcing iron rods upon the completion of the cement parts of a new building or a new cement structure.

Engineer Stettler, by the use of special plates adapted to any construction, has apparently obtained serviceable pictures of the inner structure of cement blocks. To eyes accustomed to pictures with great detail and much light and shadow, the first results of the Roentgen exposure may seem somewhat meager. However, the iron reinforcements in the pictures are shown in their proper size and situation, as also the connections and crossings, so that the imperfect connections can be clearly recognized.

ORIGIN OF "PETRIFIED FOREST."

The "Petrified Forest" of Arizona, really a series of petrified forests, lies a short distance south of Adamana, on the line of the Santa Fe Railway. There are four "forests" included in a Government reservation called "Petrified Forest National Monument," created by presidential proclamation in 1906. The name "forest" is not strictly appropriate, for the petrified tree trunks are all prostrate and are broken into sections. The logs are the remains of giant trees that grew in Triassic time, the age of reptiles. The trees were of several kinds, but most of them were related to the Norfolk Island pine, now used for indoor decoration. Doubtless they grew in a near-by region and, after falling, drifted down a water-course and lodged in some eddy or a sand bank. Later they were buried by sand and clay, finally to a depth of several thousand feet. The conversion to stone was effected by gradual replacement of the woody material by silica in the form called chalcedony, deposited by underground water. A small amount of iron oxides deposited at the same time has given the brilliant and beautiful brown, yellow, and red tints

which appear in much of the material.

Some of the tree trunks are 6 feet in diameter and more than 100 feet in length. In the first forest there is a fine trunk that forms a natural bridge over a small ravine, the water having first washed away the overlying clay sand and then, following a crevice, worked out the channel underneath. The length of this log is 110 feet, and the diameter 4 feet at the butt and 1½ feet at the top.

The petrified woods are beautiful objects for study. When thin slices are carefully ground down to a thickness of 0.002 inch or less and placed under the microscope they show perfectly the original wood structure, all the cells being distinct, though now they are replaced by chalcedony. By studying the sections F. H. Knowlton, of the United States Geological Survey, Department of the Interior, has found that most of these araucarian trees were of the species *Araucarioxylon arizonicum*, a tree now extinct. It is known to have lived at the same geologic time also in the east-central part of the United States, where the remains of some of its associates have also been found. These included other cone-bearing trees, tree ferns, cycads, and gigantic horse-tails, which indicate that at that time, the rainfall was abundant.—U. S. Geological Survey.

THE AUTOCAR IN THE BUILDING FIELD.

The building trades are indeed in on the wave of bigger business that is sweeping over the country. People have money today and they are spending it—building is one of the first businesses to feel the boom.

The hauling of materials and men is one of the largest factors in this class of work. Contractors have from the start been one of the biggest users of motor trucks. There are a great many features that make for efficiency in motor equipment for contractors; first and foremost is reliability. Material must be at the place of construction on time or expensive labor is standing idle and the whole job is held up. Economy of operation is important, too, and when combined with reliability increases the profits handsomely.

Ease of handling motor trucks counts much with contractors. It is so often necessary to operate in small space, and then, too, a compact truck gets from place to place through crowded traffic so much faster than a long truck.

The Autocar two-ton truck has just seemed to meet the requirements of builders and contractors. It is mechanically simple and for that reason reliable and economical, too.

Because of the distinctive construction of the Autocar, with the motor under the raising seat structure, a two-ton load is carried on a 97" wheel base. For two reasons this feature is of great value; it distributes the load carried evenly on the chassis, and it enables the Autocar to work in spaces so small as to be most inconvenient for horse-drawn vehicles or larger motor trucks.

In every part of the country the Autocar is fast being standardized on by contractors. A great many contractors have used Autocars for years

in the most exacting service and have bought and rebought. They have found by carefully keeping actual costs that the light yet sturdy Autocar is carrying more material a greater distance at less cost per ton mile than any other equipment they have ever used.

After a study of the contractors' needs we have developed a power body-hoisting mechanism that greatly increases the efficiency of the Autocar. The power comes from the car motor and raises the body to its full height with capacity load in less than thirty seconds.

The all-steel contractors' body that was announced and fully described in the February Messenger met with instant success. This body is designed to carry two cubic yards of material and will stand no end of the hard, battering wear that is part of the contractor's every day work.

Such is the wide-spread demand for Autocar two-ton power hoist trucks that it is keeping the factory busy getting them out. A large number of orders for single cars and for fleets are coming in every day—they presage the busiest spring building in many a long year. The Autocar is represented on this Coast by the M. S. Bulky Co., E. P. Anderson, 561 Golden Gate Avenue, San Francisco.

FORMER SECRETARY OF WAR FOR NATIONAL MILITARY TRAINING.

Condemns Volunteer System, Says National Guard Inadequate.

Hon. Elihu Root, at the request of the Association for National Service, makes a distinct contribution to the literature on National Military Training and National Service in the following interview.

The Association is conducting a nationwide campaign for an expression of public opinion on the adoption of a system of military and naval training for the youth of the Nation. The question is being submitted through the daily press by means of the subjoined ballot form.

After praising the patriotic endeavor of the Association, and the educational campaign which it is prosecuting, Mr. Root says:

Spirit of National Service Needed.

"We certainly need the spirit of National Service in our country. It is a mistake to suppose that a people can have good government, peace, order, and progress for any period without any effort on their part. We in the United States need to have our patriotism awakened, throw off our indifference, and think more of our duties as well as of our rights. Every one who is fit to be a citizen of a free country ought to be willing to serve the country, when called upon, in accordance with his ability. The young men who are physically fit for military duty should hold themselves ready to fight for their country if need be, and if they are not ready when the need comes they will not long have any country, and they will not deserve to have any.

"The vast change in the way of carrying on war which has occurred within a very few years has created a situation in which it is perfectly plain that no country can be ready to defend her independence against foreign aggres-

sion except by universal military training and a resulting universal readiness for military service.

"The old way of waiting until war came and then calling for volunteers has become obsolete and is no longer effective.

"The national guard system is not adequate and can not be made adequate to meet the needs of national defense under any real assault upon our rights. It is impossible to have an effective body of soldiers who serve two masters and are raised and organized to accomplish two different purposes.

"Universal training and readiness for service are not only demanded by plain common sense, but they are essentially democratic. They were required by law during the early years of our republic, for every male citizen between the ages of eighteen and forty-five was required to be ready to fight for his country and was required to be trained and provided with arms in accordance with the simple needs of warfare in those days.

"It is only necessary now to apply the principles and requirements of the national law of 1799, adapted to present conditions."

(Issued by the Association for National Service)

IRRIGATION WORK AT PARADISE OUTLINED.

Directors to Be Asked to Approve Construction of Magalia Reservoir.

PARADISE, CAL.—The Board of Directors of the Paradise Irrigation District at the next meeting will be asked to approve the following plan of work:

Building of a dam at Magalia to work eighty feet of water, and building of the first unit of the distributing system to water all land now planted in the district and new plantings to total 3,000 acres. It is estimated this will suffice for the next five years, at the end of which time—or sooner, if required—the second unit of the distributing system will be built, covering an additional 3,000 acres. When a total of 6,000 acres are taking water, the third unit of the distributing system will be built and the dam at Magalia raised to the 125 feet depth of stored water.

This will supply the entire district and will probably be ten years or more from the present time, unless the Paradise district is planted more rapidly than has been the average experience elsewhere.

HYDRATED LIME AND ITS ADVANTAGES IN CONCRETE.

Considerable literature is being published advocating that small percentage of hydrated lime is used in concrete. The advantages which are claimed for the hydrate lime, and which are backed up by actual demonstrations in the field, are truly worthy of the earnest attention of every engineer. No admixture to cement for concrete has met with more general favor in recent years than hydrated lime. It is a standard commercial product and is covered by standard specifications of the American Society for Testing Materials. When mixed with water it is the most plastic of any building material. Small percentages of hydrate used in concrete

give added plasticity to the mixture, make it flow down spouts without the use of too much water, so that the possibility of segregation in handling and placing it is greatly reduced. It makes concrete work better in the forms.

These features are all demonstrated actions and help to produce the all important factors of good concrete—uniformity, density and impermeability. These facts should excite the attention of engineers to the possibilities of service which hydrated lime offers.

COST OF BUILDING OPERATIONS INCREASE.

Building operations in many of the larger cities of the country increased in 1915 according to the United States Geological Survey, Department of the Interior. In 48 selected cities the total cost of building operations was \$641,769,199, an increase of \$22,016,845, or nearly 4 per cent over 1914. Twenty-eight of these cities showed increase and 20 showed decrease. New York was the leading city in cost of building operations, with \$103,023,800, an increase of \$28,993,559 over 1914. Chicago, which was the leading city in 1914, was second in 1915, with building operations costing \$97,291,400, an increase of \$14,029,690. Brooklyn was third, with a total of \$45,601,851, an increase of \$3,729,544 over 1914. The number of permits issued or buildings erected in 1915 in these 48 cities was 201,190, a decrease of 2,542 compared with 1914. The number of permits or buildings ranged from 469 in St. Joseph, Mo., to 14,515 in Brooklyn, N. Y. The average cost per operation was \$3,119 in 1915 compared with \$3,042 in 1914.

CLAY-MINING INDUSTRY AFFECTED BY EUROPEAN WAR.

According to the United States Geological Survey, Department of the Interior, the war in Europe has caused a shortage in high-grade fire clay formerly imported from Germany which has seriously affected the manufacture of crucibles and lead pencils in this country. Efforts have been successful, however, in locating a domestic supply of clays suitable for use in these industries in Arkansas, Illinois, Missouri, and Ohio.

Clay mining in 1915 was more prosperous, especially during the later part of the year, than in 1914, the quantity of clay marketed being 2,562,954 short tons, valued at \$3,971,941, an increase of 153,094 tons in quantity and \$215,373 in value over 1914. Fire clay is the most important variety of clay, 1,570,481 tons being reported for 1915, valued at \$2,361,482, an increase of 161,011 tons and \$214,205 over 1914. There were 28,631 tons of domestic kaolin, the purest form of clay, marketed in 1915, valued at \$241,520, a small decrease from 1914.

The imports of clay decreased considerably in quantity and value and were the smallest in quantity since 1908 and the lowest in value since 1905.

THE TITLE "ENGINEER."

It is unfortunate, according to the Engineering Record, that in America

most people associate the word "engineer" with a man who runs an engine or a boiler. Even the man who operates the boilers of an apartment building is called an "engineer," although the name is entirely a misnomer when applied to him. He may be a good mechanic, but he is not an engineer. The gray haired man who drives the locomotive of a transcontinental limited and who holds the lives of hundreds of human beings in his care belongs to the very highest type of mechanic, but he is not an engineer, except in the United States and Canada. Till foreign languages have words that properly designate the work these men are doing. In our country there is no word to distinguish them from the bridge builder, the sanitary expert, etc.

STATE ENGINEER SECURES RIVER DATA.

KNIGHTS LANDING (Yolo Co., Cal.) The State Engineering Department has a force of engineers at this point to obtain a record of measurements for determining the amount of water being diverted for irrigation purposes from the Sacramento River and its tributaries.

This work is in co-operation with the hydrographic branch of the Geological Survey. Measurements will be taken at various points along the Sacramento and Feather Rivers.

OIL DEPOT BEING PLANNED FOR VALLEJO.

The proposition of establishing an oil depot on the Vallejo waterfront, was revived when Joseph Childers, representing one of the large oil companies, visited Vallejo to look over the field and inspect sites for the proposed depot.

Childers stated that he considered the arena back of the bulkhead between North and South Vallejo an ideal site for an oil depot as the tanks would be in an isolated location and would endanger no property in the event of a fire.

If the oil depot is established it is the intention to enclose the tanks in concrete structures so that in the event of a fire or other accident the oils would not run into the bay or over adjacent land.

The proposed depot will be utilized for the purpose of supplying the local trade as well as that in nearby cities, it being the plan to haul the oil to neighboring cities in motor-driven tank wagons.

CONTRACTOR OFFERS SOME ADVICE

Frank Gilbreth, New York contractor, has summarized his views on steel and concrete construction as follows:

A steel frame, properly painted and buried in masonry, will not rust enough in thirteen years to affect its strength any measurable amount.

The better the steel is coated with mortar the less it will rust.

Portland cement is better than lime mortar for imbedding steel to prevent it from rusting.

Unpainted iron beds buried in mortar composed of lime and a large pro-

portion of Portland cement rust very little* certainly not enough to impair their strength.

Columns should be of such cross section that they can be thoroughly imbedded in Portland cement, avoiding a hollow column unless latticed and filled with very soft concrete.

Wherever possible, preference should be given to those shapes of steel that present the least surface to the action of rust.

If steel is not thoroughly cleaned from rust before it is painted, the paint will not greatly retard the progress of the rust.

It is much easier to cover steel thoroughly with concrete than with brick masonry. If brick masonry is to be used, the bricklayer should thoroughly plaster the steel work ahead of the brick work.

The quality of paint used, though important, is not so important as surrounding every part of the steel with Portland cement.

Interior columns do not rust as much as exterior columns.

Cinder concrete does not injure to the slightest degree a steel floor beam that has been painted.

No pipes or wires should ever be placed behind fireproofing, as they will buckle from the heat and push off the fireproofing.

POWER DEVELOPMENT.

The Pacific Gas and Electric Company has let contracts for raising the height of its famous dam at Lake Spaulding from 225 to 260 feet, thus increasing by almost 50 per cent the storage capacity of the lake.

The dam was completed to its present height in 1913 and at the same time the initial installation of 33,000 horse power was placed in service. Two more generating stations are now in course of erection, which will add another 33,000 horse power to the generating capacity. The increase in the height of the dam will guarantee an ample supply of water at all times for the hydro-electric stations, and will bring up the capacity of the storage reservoirs from 43,600 acre-feet to 63,900 acre-feet.

An appropriation has also been made by the company of \$250,000 for the construction of tunnels and other equipment necessary to supply the Newcastle territory with water for irrigation. The bringing under cultivation of this district will add materially in other ways, besides sale of water, to the revenues of the company.

GOVERNMENT CONSTRUCTION OF HOMES IN NEW ZEALAND.

[Consul General Alfred A. Winslow, Auckland, July 17.]

The New Zealand Government has erected during the past nine years 548 homes for workmen in this Dominion, under the act entitled "Workers' Dwelling Act of 1905," which originally provided that the homes should cost no more than £300 (\$1,460) each, and these were to be placed at the disposal of the workers under a lease of 50 years, with a fixed rental of 5 per cent of the capital value of the dwelling, plus insurance and taxes.

SOLID STUCCO FOR EXTERIOR WALLS.

An authority on the subject says the type of stucco construction that is giving the best results is that known as solid stucco, says Building Age. No sheathing is used, the lath being applied directly to the studding and plastered on both sides. Three coats are used on the outside and one on the inside of the lath. The first coat is usually about one-half inch thick, the second the same, and the same thickness is used for the back plaster. The finishing coat on the exterior is about one-quarter inch thick. This gives an exterior wall covering 1 3/4 in. thick with the metal lath so imbedded that the wall is practically a reinforced concrete slab.

PROPOSED CANADIAN NORTHERN RAILWAY STATION.

BRITISH COLUMBIA.—The Canadian Northern Railway has made application to the civic authorities for a building permit for the erection of the main portion of its railway depot on the reclaimed lands of False Creek. The estimated cost is \$574,929. This permit does not include platforms or sheds. The contractors are the Northern Construction Co., 736 Granville Street, Vancouver, British Columbia.

BUILDERS OF CHILEAN RAILWAY SHOPS.

SANTIAGO, Chile.—The Ultimas Noticias of July 19, of Santiago, Chile, states that "the Compania Holandesa de Cemento Armado has secured the contract for putting up the building of the new railway shops at San Bernardo at about \$550,000 United States gold. [The call for bids on this work appeared in Commerce Reports for March 14.] This company is now constructing the port of San Antonio. Contracts will be signed in a few days and work will begin in October, 1916.

REPORT ON PLATINUM AND ALLIED METALS.

The statement on Platinum and Allied Metals, issued annually by the Geological Survey, Department of the Interior, is now available for 1915. The production of crude platinum from California and Oregon during the year was 711.91 troy ounces, having a value of about \$23,500.

MILLION DOLLAR HARBOR STARTED

RICHMOND, Cal.—First steps toward harbor improvements to cost \$1,000,000 were taken when the city council ordered the mayor and city clerk to sign a dredging and fill contract with the Bay Counties Land Company. The agreement, which has been under consideration for several months by the Council, demands \$60,000 in dredging from the Bay Counties Land Company, for which the city is to compensate them with thirty-one acres of waterfront property.

It is estimated that the deepening of the inner harbor and the construction of a bulkhead with an eight foot fill on the present mud flats will approximate \$1,000,000.

TO REBUILD BRIDGE.

OTTAWA, Ont.—The St. Lawrence Bridge Company has notified the Canadian government that it accepts full responsibility for the fall of the Quebec bridge span, and gave notice it would undertake to replace the span and complete the bridge as soon as possible.

With steel scarce, it is believed it will take two years to construct a new span.

PLAN SYSTEM OF FLOOD CONTROL.

PORTERVILLE, Cal.—City Attorney Guy Knapp is in consultation with officers of the Southern Pacific railroad relative to a comprehensive plan of control of flood waters of the Tule river. As a result of the conference it is expected that a scheme will be mapped out whereby co-operative effort in this work will be put forward by the Southern Pacific, Santa Fe, and by the city and county.

IRRIGATION CANAL TO WATER 20,000 ACRES.

GROSVILLE, Cal.—According to a decision reached by a committee chosen to map out plans for the irrigation of 20,000 acres of land lying southwest of this city, the Chamber of Commerce will ascertain from the State Water and Railroad Commissions what rates are charged for water for similar projects. The information will be presented to the Western Canal officials for consideration.

It is planned to irrigate the 20,000 acres from the Feather River at the Western Canal headgate, a few miles south of this city. The water will be carried at about the 125-foot contour around the Pacific Heights to irrigate below that level.

The Western Canal people have already been approached in regard to the matter of constructing the canal, and it is believed the officials will act favorably upon any suggestion made by the local committee.

CONSTRUCTION WORK ABROAD.

CANADA.

[Vancouver, British Columbia.]
Construction of Jetty at New Westminster.

The Marsh Hutton Power Constructing Co. of New Westminster, British Columbia, recently received instructions from the Dominion Government to proceed with the construction of the third unit of the large jetty being constructed at the mouth of the Fraser River for the purpose of confining its channel. This unit will be 100,000 feet in length and will cost about \$500,000. It is proposed to construct another jetty on the opposite side of the river in order to keep the channel automatically clear.

The first unit of the jetty, completed last year, was 6,900 feet in length, that of the second unit, which was started in May, 1915, is 7,100 feet in length. With the third unit completed this jetty will be approximately 14,000 feet in length.

NEW ZEALAND

New Reinforced Concrete Bridge.
AUCKLAND—A reinforced concrete

bridge across the Tamaki River has just been completed, at a cost of \$67,709. It is an up-to-date structure, on the principal thoroughfare leading east from Auckland. Seventy-five per cent of the cost was paid by the Manakau County Council and the remainder by other tributary local bodies.

ADDITIONS TO AUCKLAND HOSPITAL AND COSTLY HOME

Contracts have been let for additions to the children's ward of the Auckland Main Hospital and to the Costly Home, under the supervision of the architect, Mr. G. W. Allsop. The addition to the Auckland Hospital is to cost \$91,471. The contractor is J. J. Holland, of Auckland. The addition to the Costly Home will supply 37 additional beds, at a cost of \$28,303. Facer & Co, Auckland, are the contractors. These structures are to be of brick and reinforced concrete, with slate roofs.

TO START DILWORTH AGRICULTURAL INSTITUTE.

The contract has been let to W. F. Hutchinson, of Auckland, for \$33,978, to construct the first unite of the Dilworth Agricultural Institute for Boys at Papatoetoe, near Auckland. It will accommodate 300 boys. This is a gift of the late Mr. Dilworth, of this city, and is to be built of brick, with tiled roof and modern sanitary conveniences. It has been ordered that the work be completed as soon as possible. Instruction will be given in agriculture, horticulture, and general farm methods.

MICA IN 1915.

The quantity of sheet mica, rough trimmed and cut, produced in the United States in 1915 is smaller than that for any of the twelve preceding years but the value of the product is the highest ever recorded. Statistics collected by the United States Geological Survey, Department of the Interior, recently published, show that high prices have produced a prosperous condition in the mica-mining industry in certain parts of the country, so that, as one correspondent in the South writes, "Everybody and their children are digging for mica."

The average price of sheet mica in 1915 was 68 cents a pound, compared with 50 cents a pound in 1914 and 21 cents a pound in 1913. The total value of all sheet and scrap mica produced in 1915 was \$428,769, a value exceeded, though but slightly, only by that for 1913. Scrap mica did not change much in value. North Carolina produced more than half the output, New Hampshire, Idaho, and South Dakota being relatively the next largest producers. There was a small production of lepidolite (a lithia mica) in California of clinocllore (a chlorite related to mica) in Georgia, and biotite (a dark mica) in Colorado. The value of the mica imported in 1915 exceeded the value of the mica produced in that year.

The report on mica in 1915, by W. T. Schaller, can be had by applying to the Director of the U. S. Geological Survey, Washington, D. C.

UNIQUE LIFE BUOY.

PORTLAND—The under and over seas life buoy, which is anchored in the Willamette River at the foot of

17th street, is the invention of a Portland man and is to be manufactured by the G. W. McPherson Co. for use of vessels upon the Pacific Coast. The buoy as constructed is 9 feet high and 12 feet in diameter, with 3 feet deck space; weight 2000 pounds, and of 14 gauge steel, with a telescope anchor 15 feet long, which is raised and lowered at will, and will be of much service should the buoy be washed upon the beach. Under each individual seat is stored water together with food enough to last at least 10 days. There is also electric light provided for night service, which can be seen from a passing vessel many miles away. There are rockets to attract the attention of any passing ship and a medicine chest fully equipped for immediate service. The buoy can be loaded within three minutes and there is no possibility of being thrown into the water when launched over the ship's side. If the time is too short to launch in the usual way it may be left upon the deck of the vessel and will leave when the ship sinks from under it, as it is air-tight and will return to the surface. Then the air valve in the conning tower can be opened and a fan, which is provided to change the air every half minute, can be put into operation. The man on the lookout in the tower operates the valve which keeps the heavy seas from entering the buoy. The person on entering the buoy takes a seat and straps himself to it and retains this seat until the buoy is picked up by a passing boat.

BIG RECLAMATION PLAN.

Twenty-six thousand acres in Reclamation District No. 999, adjoining Ryer Island on the Sacramento river, fourteen miles below Sacramento, are to be leveed and a drainage system installed by a big corporation owning 40,000 acres of delta land in San Joaquin and Contra Costa Counties. The drainage will include the installation of pumps and the building of ditches, and will cost \$400,000. Ten huge dredges and two ditching machines will be utilized in the work which will require two years to complete.

BORDEN PLANT FOR MODESTO.

MODESTO—Modesto the center of the banner dairy county of California, and delivery point at present for milk and cream of at least 13,000 cows, has just won the greatest honor by being chosen by the Borden Condensed Milk Co., a \$23,000,000 corporation, as location for its first plant in California, the 16th west of the Mississippi. The enterprise will represent an investment of \$100,000, and will give employment at the outset to 100 people. Selection of Modesto as location for Borden's first plant in this State has been made by C. V. Van Derson, field representative, who spent two months investigating possibilities in this State. Stanislaus County has 40,000 producing dairy cows supplying at present milk and cream for two cheese factories, one condensary and six creameries, besides large dairy shipments of cream and milk to the city markets. The dairy output of the country last year in milk products, was valued at \$3,095,250, the greatest production of any county in the State.

BAUXITE AND ALUMINUM.

The Geological Survey, Department of the Interior, announces that it has now ready for distribution its annual statement on Bauxite and Aluminum in 1915.

AVON SCHOOL CONTRACT TO BE AWARDED.

AVON, Contra Costa Co., Cal.—W. H. Ecker of Martinez submitted the lowest figure for the construction of a one-story frame school building to be erected in the Avon School District. His bid was \$2,550. Four bids were submitted in all. W. Pascoe was second low at \$2,888. A contract will be awarded to the low bidder.

STATE CORPORATION DEPARTMENT.

SACRAMENTO, Cal., Sept. 5, 1916—W. H. Berry, the base ball impresario of San Francisco, has again taken up his project of financing the Coast League Club and franchise at San Francisco for the purpose of building a new grandstand and bleachers and enlarging the playing field at 15th and Valencia streets.

San Francisco Base Ball Club, the corporation formed for the purpose, has been permitted by Commissioner of Corporations H. L. Carnahan to issue \$250,000 par value of its shares to Recreation Park Association in exchange for all of its property and assets, including the Coast League franchise for San Francisco; to issue \$150,000 par value of its shares to W. H. Berry in exchange for his 20-year leases on the present park and on contiguous property to be used for enlarging the field, together with its equipment, and to sell 20,000 shares at par, \$5 per share, to net the company not less than 50% of the selling price.

The permit provides that all of the shares issued to Recreation Parks Association and to W. H. Berry shall be held as an escrow and shall not be sold or offered for sale except by permission first obtained from the Commissioner.

In permitting Patterson Glass Co. to sell \$15,000 par value of its shares for the purpose of reopening a glass manufacturing plant at Stockton, Commissioner of Corporations H. L. Carnahan, has provided that the full amount must be subscribed on or before the 15th day of September, at which time the option on the lease expires.

It is also provided that R. M. Patterson, who is to receive a like amount of stock in exchange for the lease, shall execute an agreement waiving all claim to any dividends that may accrue on his shares until the cash investors shall have been repaid the full amount of their investment.

The plant which Patterson proposes to operate was one of the ventures of the defunct California Safe Deposit & Trust Co. and was operated unsuccessfully by it. Until recently, the plant has been operated for a year by W. P. Fuller Co. with Patterson as manager. Patterson is now endeavoring to finance it as an independent venture and estimates \$15,000 will be sufficient to start the plant in operation.

CANADA PRODUCES ELECTROLYTIC COPPER.

FERNE, British Columbia.—The first pure copper known to the trade as electrolytic copper was turned out at the new copper refinery in Trail, British Columbia, on August 26, 1916.

The electric current was switched on to some of the tanks containing the copper anodes, and the pure metal, the gold and silver values being left in the slimes, was the result. In the near future a daily production of 10 tons is expected. This is the only place in Canada where pure copper has been made.

[Articles on Canada's mineral production were published in Commerce Reports for March 21 and March 28, 1916, and one on the production of blister copper in British Columbia in the issue of January 12, 1916.]

CANAL TRAFFIC IN JULY.

The official report of the operation of the Panama Canal for July places the number of ocean-going vessels making the transit of the canal in that month at 150—77 from the Atlantic to the Pacific and 73 from the Pacific to the Atlantic. By nationality these vessels were: United States, 28; British, 75; Japanese, 11; Peruvian, 9; Dutch, 2; Chilean, 7; Norwegian, 9; Swedish, 3; Mexican, 1; French, 1; Danish, 3; and Panamanian, 1. The total net tonnage of vessels marking the transit was 488,968.

STATE CORPORATION DEPARTMENT.

SACRAMENTO, CAL.—Lane's Klutch & Transmission Control Co. has been granted a permit by Commissioner of Corporations H. L. Carnahan authorizing it to sell 2500 shares of its capital stock at par, for cash, and to issue to Chas. C. Lane and F. L. Hanson a certificate for a like number of shares as often as shares shall be sold and issued for cash.

This company was organized with an authorized capital stock of \$50,000, par value \$10, for the purpose of developing and marketing a certain invention of Chas. C. Lane relating to an automobile clutch controlling device.

A VARIABLE SELF AND MUTUAL INDUCTOR.

The United States Bureau of Standards has just published a paper which describes a new form of instrument for varying that property of an electrical circuit (self inductance) which opposes any change in the strength of a cur-

rent, just as the inertia of a heavy train of cars opposes any change in its speed. It consists of two sets of coils of insulated wire mounted in circular hard-rubber plates between which a similar plate carrying two coils is arranged to turn, thus varying the inductance. Diagrams and data are given from which instruments of this type may be designed to meet the requirements of a given use. Comparison is made between the new instrument and older ones.

Copies of this report, Scientific Paper No. 290, will be ready for distribution in a few days and may be obtained without charge upon application to the Bureau of Standards, Washington, D. C.

WATER FRONT IMPROVED AT VERA CRUZ.

VERA CRUZ, Mexico.—In order to beautify the esplanade along the water front called the "Malecon," the favorite promenade of the people of Vera Cruz in the late afternoon and evening, the Mexican authorities are providing a new electric light system. The lights are being placed about 25 feet apart in the center of the esplanade, in a line approximately 400 yards long. They are arranged in clusters of five, which surmount ornamental iron supports.

The Vera Cruz Electric Light, Power and Traction Co., an English concern with an American manager, is installing the system. Since the beginning of the European war, the company has bought most of its supplies in the United States.

ROUTE FOR NEW RAILWAY IN COLOMBIA.

The Minister of Public Works of Colombia has adopted for the proposed railway from Cali to Popayan the route recommended by a committee of the Colombian Society of Engineers in a recent number of the Diario Oficial. This route which is almost wholly in the valley of the Cauca River, was found to be the shortest and most practicable of the various routes suggested by the Pacific Railway Co. in a report to the Colombian Government in 1915. With the completion of the railway to Popayan, the capital of the Department of Cauca and the terminus of an old commercial road running south through Ecuador, an important region would be opened to shipping through the port of Buenaventura.

FOREST NOTES.

More people are spending their vacations on National Forests this summer than have ever done so before, many persons traveling long distances by automobile in order to camp in these public playgrounds.

Experiments at the Forest Products Laboratory at Madison, Wisconsin, have resulted in the discovery of a method whereby the yields of alcohol and acetate of lime from the destructive distillation of hardwoods have been increased fifteen per cent.

The rabies epidemic which is carried by infected coyotes is spreading eastward in Utah. Rabid Coyotes are common in the entire western part of the State, and one has been killed within thirty miles of Salt Lake City.

Purchase your equipment direct from the manufacturer.

40 per cent Saved

Concrete Mixers.
Pavers.

Asphalt Plants and Tools.
Rollers

Tanden and Macadam
Concrete Carts.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Phone Market 1675 San Francisco

Cut this out and mail to-day

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News
560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 39.

Publication Office,
560 Mission St.

San Francisco, Cal., September 27, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel

Gad "

Pick "

Plough "

for

Asphalt Cutter

Blacksmiths

Tools

Road Graders

Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

PYROPHOR is a
Tool Steel which



is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy

**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.



THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,

San Francisco

Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco

Telephone Douglas 1794

Member

Insurance Brokers Exchange

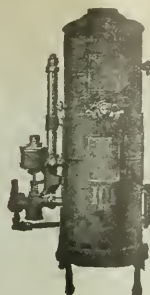
FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2807
Oakland, Oakland 8841

THE

Safe Deposit Vaults

of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

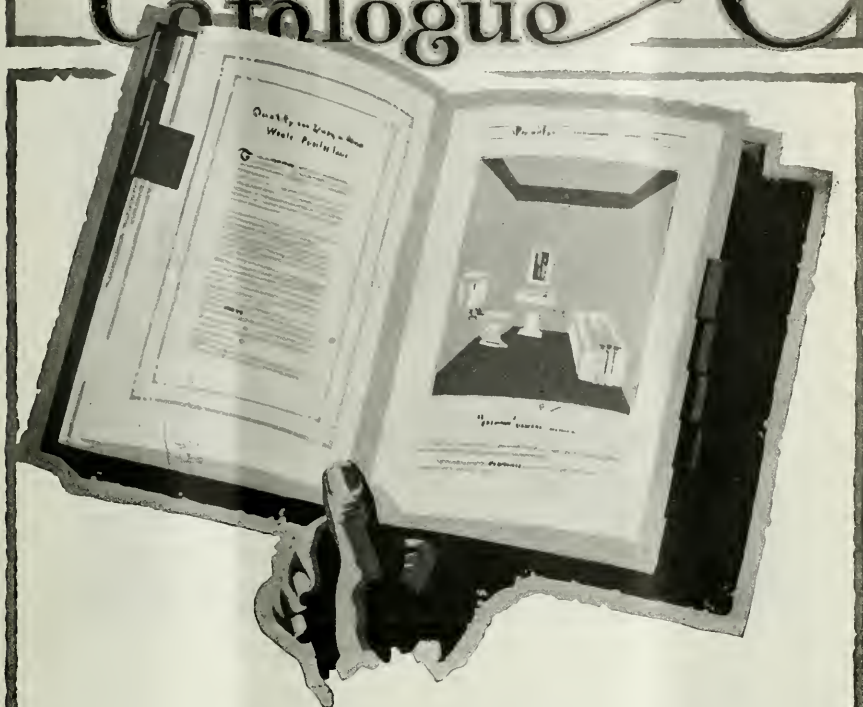
Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and Octavia

SAN FRANCISCO, CAL.

Announcing Catalogue C



Catalogue C is miles ahead of any other catalogue.

We've combined in it a dozen or more new ideas.

It has every section classified with index tabs on the sides, so you can find what you are looking for in a second.

And it's a convenient size, six inches by nine.

You'll find Catalogue C invaluable. Drop us a line and we will mail you a copy.

"Pacific"



Plumbing Fixtures

Main Offices and Showroom,
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA

Yosemite

MEANS THE BEST IN AMERICA

Desmond

MEANS THE BEST IN YOSEMITE



Type of Canvas Cottages Used in Desmond El Capitan Camp

Sentinel Hotel, \$4 -- \$5 a Day.

Yosemite Falls Camp, the Bungalow Camp de Luxe, \$3.50 a Day--\$22.00 a week.

El Capitan Camp, Colored Canvas Cottages, \$2.50 a Day--\$15.00 a week.

All Rates American Plan

Full Camping Equipment for Rent and Supplies for Sale
at Rates Which will Reduce Cost of Your Vacation to a Dollar a Day

Ticket Office 656 Market Street

TELEPHONE SUTTER 4981

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. September 27, 1916

Sixteenth Year, No. 39



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,

Publisher and Proprietor.

W. B. Manville, News Editor.

J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
540 Mission Street,
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	1
Apartment Houses.....	1
August Building Totals.....	3
Bath Houses.....	1
Bonds.....	4
Bridges, Dams & Harbor Work.....	5
Factories and Warehouses.....	5
Flats.....	5
Fresno, Modesto, Stanislaus and Central California.....	28
Garages.....	5
Government Work & Supplies.....	6-7
Halls and Society Buildings.....	7
Hospitals.....	7
Hotels.....	7
Irrigation Projects.....	7-8
Libraries.....	8
Los Angeles and Southern California.....	30-31
Marine, Contra Costa and Sonoma Counties.....	27-28
Oakland and Alameda County.....	29-31
Portland and Oregon.....	23-24
Power Plants & Water Systems.....	31
Railroad Construction and Equipment.....	8
Residences.....	8
Sacramento, Stockton and Northern California.....	28-29
San Francisco.....	14-15-16-17-18-19
San Jose & Santa Clara Valley.....	30-31
Schools.....	25-26-27
Sealed Proposals.....	11-12
Seattle and Washington.....	31
Sewer and Street Work.....	9-10-11
Stores and Offices.....	11
Theatres.....	11

August Building Totals.

As the season lengthens, building operations continue to give a good account of themselves. Although the actual construction work has been very active in recent months, a large amount of new business keeps coming into view. August makes a creditable showing. The official reports of building permits, issue in 118 of the principal cities of the United States, as received by The American Contractor, Chicago, The California Development Board and Daily Pacific Builder, total \$74,253,858, as compared with \$71,922,456 for August last year.

A majority of the cities included in the statement below show gains, 75 out of 118 increasing in volume of business over a year ago.

City	August, 1916	August, 1915
	Cost.	Cost.
Akron.....	\$ 2,162,842	\$ 499,010
Alameda, Cal.....	38,514	47,232
Albany.....	880,575	249,715
Allentown.....	245,035	208,585
Altoona.....	120,217	114,063
Atlanta.....	323,690	372,175
Auburn.....	73,800	21,524
Baltimore.....	916,406	447,923
Bayonne.....	118,530	82,537
Berkeley, Cal.....	462,478	134,900
Binghamton.....	296,754	278,917
Birmingham.....	248,711	137,615
Boston & vicinity.....	5,397,000	5,422,000
Bridgeport.....	643,301	842,735
Brockton.....	119,812	112,040
Buffalo.....	1,756,900	1,175,000
Canton.....	293,605	115,125
Cedar Rapids.....	117,000	125,000
Chattanooga.....	93,825	46,150
Chicago.....	5,783,000	9,513,150
Cincinnati.....	1,328,190	3,048,175
Cleveland.....	2,752,415	1,987,529
Colorado Springs.....	30,981	6,975
Columbus.....	548,729	514,895
Dallas.....	310,499	155,117
Davenport.....	79,180	182,704
Dayton.....	250,774	403,890
Des Moines.....	139,183	151,500
Detroit.....	1,390,125	3,217,391
Dubuque.....	106,650	71,895
Duluth.....	289,759	262,051
East Orange.....	13,618	83,368
East St. Louis.....	157,109	91,120
Elizabeth.....	271,943	95,725
Erie.....	313,309	27,499
Eureka, Cal.....	17,911	7,912
Evansville.....	129,866	197,155
Fort Wayne.....	266,210	146,520
Fort Worth.....	333,707	127,265
Fresno, Cal.....	58,783	118,961
Grand Rapids.....	398,611	281,765
Harrisburg.....	107,549	29,125
Hartford.....	517,390	528,924
Haverhill.....	133,200	108,100
Hoboken.....	95,623	21,565
Holyoke.....	11,709	88,975
Huntington.....	127,560	83,368
Indianapolis.....	1,018,995	170,432
Jacksonville.....	199,735	40,504
Kansas City, Kan.....	51,385	86,867

Kansas City, Mo.....	1,211,225	725,830
Lawrence.....	68,200	126,241
Lynchburg.....	266,130	133,015
Long Beach, Cal.....	73,060	46,575
Los Angeles, Cal.....	1,037,320	1,001,980
Manchester.....	164,800	206,765
Memphis.....	281,765	273,295
Milwaukee.....	705,716	1,132,551
Minneapolis.....	1,103,595	1,031,070
Montgomery.....	26,040	61,335
Newark.....	564,861	569,141
New Bedford.....	111,840	197,260
New Haven.....	383,705	449,271
New Orleans.....	143,445	216,708
New York City.....	9,932,356	14,670,982
Manhattan.....	4,350,001	7,960,328
Bronx.....	1,071,158	1,620,725
Brooklyn.....	2,159,610	3,511,950
Queens.....	1,251,587	1,413,661
Richmond.....	1,096,720	164,318
Niagara Falls.....	167,265	118,375
Norfolk.....	70,504	75,632
Oakland, Cal.....	416,910	506,011
Oklahoma City.....	126,970	86,820
Omaha.....	563,735	350,611
Pasadena, Cal.....	263,705	104,057
Pasadena.....	132,650	137,826
Patterson.....	159,353	182,916
Peoria.....	431,300	114,810
Philadelphia.....	4,472,120	3,993,625
Pittsburgh.....	1,142,467	740,265
Portland, Ore.....	497,385	728,970
Pueblo.....	30,945	54,710
Quincy.....	480,355	161,490
Reading.....	112,590	181,150
Richmond, Cal.....	12,615	13,060
Richmond, Va.....	339,566	197,019
Rochester.....	557,730	772,714
Sacramento, Cal.....	252,620	62,953
Saginaw.....	72,350	72,085
Salt Lake City.....	277,828	213,300
San Diego, Cal.....	71,673	62,770
San Francisco.....	2,306,325	1,199,448
San Jose, Cal.....	21,897	31,333
Santa Rosa, Cal.....	1,125	10,298
Savannah.....	96,590	412,805
Schenectady.....	187,202	115,771
Scranton.....	155,117	88,779
Seattle, Wash.....	608,761	451,960
Sioux City.....	186,175	258,975
St. Paul.....	131,997	119,216
Spartanburg, S. C.....	127,160	50,335
Springfield, Ill.....	139,970	109,500
Springfield, Mass.....	370,175	400,095
St. Joseph.....	65,995	103,128
St. Louis.....	1,162,253	922,116
St. Paul.....	987,667	1,065,912
Stockton, Cal.....	86,390	116,355
Superior.....	250,910	111,365
Tacoma, Wash.....	180,675	54,375
Tampa.....	118,135	103,910
Terre Haute.....	48,375	33,232
Toledo.....	1,318,197	447,083
Topeka.....	152,018	66,715
Trenton.....	227,992	258,026
Troy.....	41,760	82,465
Union.....	125,050	235,985
Washington D.C.....	1,192,178	142,773
Wilkes-Barre.....	44,211	55,032
Wilmington.....	188,111	151,263
Woonsocket.....	36,245	39,875
Yonkers.....	628,176	331,538
Youngstown.....	295,500	154,811

Total.....\$71,253,858 \$71,922,456

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$25,000. Architects, Falch & Knoll. Hearst Bldg., S. F. Owner, William Smith. Location, Jones between Sutter and Bush. Will cover an area of 25 by 120 feet and contain eight apartments of two rooms each. Plans complete and figures being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$16,000. Architect, none. Owner, M. Silverman. 1062 Van Ness avenue, S. F. Location, north Pacific west Powell, covering an area of 45 by 125 feet. Plans complete and work to be done by Day Labor under the direction of J. Sockolov, 2558 Clay street.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$8,000. Architect, Kenneth McDonald, Sr., Call Post Bldg., S. F. Owner, C. J. Carter. Location Lake street between 21st and 22nd avenues. Will contain two apartments of eight rooms each. Plans complete and segregated figures being taken.

Contracts Awarded.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction \$15,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, O'Brien Bros. Contractors: R. De Luca, concrete work, \$2,700; J. Gibbs plumbing, \$5,534; Brandon & Lawson brick work, \$9,750; American Electric Co., electric work, \$1,279; Pacific Structural Steel Co., steel work, \$1,650.

SEATTLE, WASH.—Apartment house, 3 story and base, brick and frame, \$25,000. Architect F. H. Perkins, Lumber Exchange Bldg., Seattle. Owner, E. J. Tetzner. Contractor, John Dybdahl, 1358 Lakeview Boulevard, Seattle. Contract price, \$25,000.

BATH HOUSES.

PORTLAND, ORE.—Natorium, 2 story and base, reinforced concrete \$25,000. Architects, Root & Kerr, Henry Bldg., Portland. Owner, Mr. Woodward. Will include a pool 50 by 30 feet, lockers and dressing rooms and a balcony for the spectators. Plans being prepared.

Contracts Awarded.

LODI, SAN JOAQUIN CO., CAL.—Bath house, 1 story, frame, \$6,848. Architect's name not given. Owners, City of Lodi. Contractors, Philbrick & Colvin, Lodi. Contract price, \$6,848.

BONDS

SACRAMENTO, CAL.—First steps toward the erection of a new school on the block bounded by Seventeenth and Eighteenth, E and F, were taken by the Board of Education when President E. J. Carragher and Secretary Charles C. Hughes were appointed a committee to prepare for the necessary proceedings.

The Board has \$167,000 on hand for the erection of the building, and will receive \$23,000 from the county.

BAKERSFIELD, KERN CO., CAL.—The East Bakersfield Municipal Improvement district has been divided into two precincts for the bond election to be held there on October 24, for the purpose of having the voters decide whether bonds in the sum of \$175,000 shall be issued for the purchase of a municipal water works for that section.

SAN RAFAEL, MARIN CO., CAL.—Against the vote of four members, the Board of Directors of the Marin Municipal Water District passed a resolution accepting an offer by the Sutherland Construction Company of Kansas City to purchase the entire \$3,000,000 bond issue and start construction of the Alpine dam.

ANDERSON, SHASTA CO., CAL.—The Shasta County Development Association, at a meeting here, adopted a resolution strongly favoring the \$15,000,000 bond issue for the extension of the State highway system.

SUSANVILLE, LASSEN CO., CAL.—Two irrigation districts have been formed since last December in Lassen County, and petitions are being published to be presented to the Supervisors, asking them to call elections for the formation of two more.

One is to cover the fertile lands near Janesville, comprising 7,000 acres, and the other in Long Valley, is to comprise nearly 35,000 acres.

In case these districts are organized the four will cover approximately 120,000 acres, all in Lassen County.

WATERFORD IRRIGATION DISTRICT, STANISLAUS CO., CAL.—Bids are being received by the Directors of the Waterford Irrigation District for the purchase of bonds of \$165,000. The proceeds of the sale will be used in improvements for the district.

POCATELLO, IDAHO.—The citizens of Pocatello have voted in favor of issuing \$300,000 bonds for the purpose of extending and otherwise perfecting the water system.

BELLEVUE-WILFRED DRAINAGE DISTRICT, SONOMA CO., CAL.—An election will be held in the Bellevue-Wilfred Drainage District on September 27th to vote bonds of \$20,000 to provide funds for the purpose of constructing necessary conduits, drains sluices, water gates, embankments and all works necessary for the purpose of drainage.

SAN MATEO, SAN MATEO CO., CAL.—The election held in this city last week to bond the city for \$10,000 for a swimming tank and mechanical department for the Union High School, failed to carry.

PETALUMA, SONOMA CO., CAL.—Both bond propositions, creek and street improvements, were defeated at a recent bond election.

ROSWELL, N. MEX.—Business men of Roswell, representing the Pecos Val-

ley, are planning a bond issue in the sum of \$100,000 for constructing a system of good roads in Chaves County.

LOS ANGELES, CAL.—An election will be held in the Hollywood district on October 18, for voting on a bond issue in the sum of \$1,020,000 for the purpose of buying and extending the system of the Union Hollywood Water Company. The bonds were voted at a previous election but a technical error necessitates the revoting of them.

PHOENIX, ARIZ.—An election will be held on October 23, for the purpose of voting bonds in the sum of \$600,000 for the construction of an electric light plant and gas plant to be owned and controlled by the city.

BRIDGES, DAMS AND HARBOR WORK

FRESNO, FRESNO CO., CAL.—Bridge construction, steel and concrete. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. At the last meeting of the City Trustees, on recommendation of City Engineer Cronkite and Street Superintendent Chaplin, the Trustees ordered the City Clerk to advertise for bids for the lengthening of concrete bridges over the ditch on California avenue, and the construction of a new bridge at Santa Clara and California avenues. The bridges will be lengthened as follows: O and California, 6 feet on each end; G and California, 22½ feet on east end and 14 feet on west end; Isabella and California, 11 feet; last and California, 8 feet east end and 4 feet west end.

MONTREY, MONTEREY CO., CAL.—Bridge repairs. Cost not stated. Engineer, County Surveyor, Monterey. Owners, Monterey County. Bids will be opened on October 3rd at 2 p. m. for grading a portion of the San Lucas-Peach Tree Road, in Peach Tree Road District; also for repairing bridge across the Salinas River at a point near the town of San Ardo.

HOLLISTER, SAN BENITO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor W. A. Winn, Hollister. Owners, San Benito County. Bids will be opened on October 2nd at 2 p. m. for constructing a reinforced concrete bridge over Santa Ana Creek near Hollister.

SAN JOSE, SANTA CLARA CO., CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor San Jose. Owners Santa Clara County. Plans and specifications for the following bridges were approved at the last meeting of the County Supervisors and bids were ordered received up to 11 a. m. of October 18th: Bridge on Almaden road near Elwood road; bridge on Almaden road near Cooney place; bridge on Almaden road near Schneider place; culverts on San Felipe and Wehner roads. Plans and further information may be had from County Clerk Henry A. Pfister.

REDWOOD CITY, SAN MATEO CO., CAL.—Retaining wall, etc. Cost not stated. Engineer, County Surveyor. Redwood City. Owners San Mateo County. Bids will be opened on October 2nd at 10 a. m. for the construction of retaining walls and timber bulkheads on the Redwood City to San Gregorio road, located in the Third and Fifth Road Districts.

SANTA ROSA, SONOMA CO., CAL.—Bridge and culvert. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Bids will be opened on October 11th at 12 noon for the construction of a combined truss highway bridge over Sausal Creek on Pine Flat road, and for a highway culvert on Forestville-Sebastopol county road at Harbine ranch.

SANTA ROSA, SONOMA CO., CAL.—Bridges, etc., concrete. Cost as follows. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. All bids received by the Sonoma County Supervisors for the construction of bridges and culverts throughout the county have been rejected. The following bids were opened:

Comstock Bridge—W. L. Proctor, \$1,829; Call Construction Co., \$1,633.45; Bailey-Comstock Co., \$1,350.50; \$1,357.40; \$1,680.90, \$1,348.80; W. L. Proctor, \$3,769.

Cook Bridge—W. L. Proctor, \$1,071; Call Construction Co., \$1,525.

Ort Bridge—Call Construction Co., \$1,525; W. L. Proctor, \$1,047.

Green Valley Bridge—Bailey-Comstock Co., \$2,256.30; 50c yard; \$15 per yard concrete, steel 4½ and 4¼; D. E. Albers, \$2,145; No. 2 60c, \$9 per yard concrete, ½c, ¾c, 5½c per pound for steel; W. L. Proctor, \$1,759; No. 2 27c yard ex., No. 3 \$13 per cubic yard concrete, No. 4 4½c for ½, 4.15c for ¾ steel; Call Construction Co., \$2,516.35; No. 2 60c yard ex., No. 3 \$16 concrete, No. 4 5c for steel.

Ducker Bridge—Bailey-Comstock Co., \$1,832.10, 50c per yard ex.; D. E. Albers \$1,800, 50c per yard ex.; W. L. Proctor \$2,005, 42½c per yard ex.; Call Construction Co., \$1,317.55, 40c per yard ex.

AUBURN, PLACER CO., CAL.—Bridges, concrete. Cost not stated. Engineer, County Surveyor, Auburn. Owners, Placer County. The County Supervisors have rejected all bids received for the construction of the Yankee Slough bridges and new bids have been ordered to be opened at the October meeting. Plans and further information may be had from the County Clerk.

PORTLAND, ORE.—Viaduct, reinforced concrete, \$750,000. Engineer, City Engineer, Portland. Owners, City of Portland. The Council has adopted a resolution authorizing an invitation for contract figures for the proposed O.-W. R. & N. East Side grade crossings. The official call will probably be published November 6th to close December 6th. The work involves the erection of various reinforced concrete viaduct structures spanning the railroad company's lines through Sullivan's Gulch.

MARYSVILLE, YUBA CO., CAL.—Bridges, 2, reinforced concrete, \$7,500. Engineer, County Surveyor, Marysville. Owners, Yuba County. Bids will be opened on October 2nd at 10 a. m. for the construction of three concrete bridges located as follows: Extension Parks Bar bridge on road to Smartsville, Yuba River, 50 feet 11 inches in

length. 4. Losey bridge on road to Smartsville, one mile from Parks Bar bridge, at the J. Losey roadhouse, 19 feet in length. Smith bridge on Bangor road, 6½ miles from Marysville 43 feet 4 inches in length.

EUREKA, HUMBOLDT CO., CAL.—Bridges, concrete and steel. Cost not stated. Engineer, County Surveyor. Eureka. Owners, Humboldt County. Bids will be opened on October 10th at 2 p. m. for the construction of a highway bridge across Ohman Creek three miles south of Phillipsville, in Road District No. 2.

Contracts Awarded

SANTA BARBARA CO., CAL.—Highway bridge, steel and concrete, \$124,650. Engineer, State Highway Commission, Forum Bldg., S. F. Owners, State of California. Contractors, Mercer-Praser Co., First and G streets, Eureka. Contract price, \$124,650.

CHURCHES

LIVERMORE, ALAMEDA CO., CAL.—Church, 1 story, brick or concrete, \$35,000. Architect, C. E. McCrea, First National Bank Bldg., Oakland. Owners, Roman Catholic Church. Will contain main auditorium and Sunday school rooms. Plans being prepared.

Contracts Awarded.

GLENDALE, LOS ANGELES CO., CAL.—Church, 1 story and base, brick, \$33,000. Architect, Arthur G. Lindley Hollingsworth Bldg., L. A. Owner, First Methodist Episcopal Church. Contractor, T. H. Addison, 216 Belmont street, Glendale. Contract price, \$35,000.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Laundry, 2 story and base, frame, \$2000. Architect, none. Owner, R. C. Smith, 324 Mason street, S. F. Location, west Baker south Sutter, covering an area of 25 by 68 feet. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Warehouse, 2 story and base. Class C construction \$10,000. Architect, Sylvain Schnaltacher, 233 Post street, S. F. Owners Raychester Co. Location, north Harrison near 5th. Bids in and under advisement. Contract to be awarded shortly.

OAKLAND, CAL.—Factory stack steel, \$2,500. Architect, none. Owner, Pacific Gas and Electric Co., 13th and Clay streets, Oakland. Plans complete and work to be done by Day Labor.

MADERA, MADERA CO., CAL.—Oil station, concrete and steel, \$15,000. Architect, none. Owners, Associated Oil Co. At the last meeting of the City Board of Trustees the Associated Oil Co. was granted a permit to build an oil station on the winery switch west of the creamery. The oil company will erect two 17,000 gallon tanks, one warehouse, one pump house, one four-stall garage, one skid platform 26 by 48 feet, fences, etc.

FRESNO, FRESNO CO., CAL.—Warehouse, 1 story and base, brick, \$25,000. Architect, E. Mathewson, Cory Bldg. Fresno. Owners Fresno Agricultural Works. Location, M street between Tulare and Kern streets, covering an area of 100 by 150 feet. Plans being prepared.

LOS ANGELES, CAL.—Pound building, 1 and 2 story, concrete and frame,

\$20,500. Architect, John J. Frauenfelder, Story Bldg., L. A. Owner, A. G. Hemming. Location, Alameda street between 46th and 47th streets. The buildings will be of reinforced concrete, hollow tile, brick and frame construction, and will include eight kennels, sixteen runs, office building, bungalow stables, three asphyxiating rooms, storage building, kitchen, refrigerating rooms, etc. The work will also include the construction of approximately 3,000 feet of wire fence. Plans being prepared.

LOS ANGELES, CAL.—Brewery alterations, brick, \$30,000. Architects, Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Los Angeles Brewing Co. Location, 1920 North Main St. The work will include the construction of a new cellar, fireproofing columns and beams in an existing building, replacing wooden floors with reinforced concrete, new stairways, new room etc. Plans being prepared.

SALEM, ORE.—Bakery, 1 story and base, brick, \$25,000. Architect, Fred A. Legg, Salem. Owners, H. F. Rittman and J. A. Wright. Will contain office, sales room and shop. Plans being prepared.

SEATTLE, WASH.—Bakery, 1 and 1 story and base, brick and concrete, \$30,000. Architects, Bebb & Gould, Denny Bldg., Seattle. Owners, Davidson Baking Co. Location, 13th avenue and Columbia street. The entire plant of which this building will be the first unit, will cost \$100,000. Plans for the first unit are nearly complete and figures will be called for shortly.

Contracts Awarded.

LOS ANGELES, CAL.—Dairy, 1 and 2 story and base, frame, \$20,500. Architects, W. J. Dodd and William Richards, Brockman Bldg., L. A. Owner, J. M. Danziger. Contractor, C. G. Goldthwaite, Marsh-Strong Bldg., L. A. Contract price, \$20,500.

FLATS

SAN FRANCISCO—Flats, 2, 3 story and base, frame, \$8,500 each. Architect, Charles Fantoni, 916 Kearny St., S. F. Owners, Mrs. Elena Dunn and D. Geminiani. Location, north Union west Taylor. Each building will contain three flats of five and six rooms. Plans complete and figures being taken.

SAN FRANCISCO—Flats, 2 story and base, frame. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Adolph Kaufmann. Location, east 5th avenue north Lake. Will contain two flats of eight rooms and two baths each. Plans complete and segregated figures being taken.

OAKLAND, CAL.—Flats, 2 story and base, frame, \$4,700. Architect, none. Owner, W. Forbes, 593 Sycamore St., Oakland. Location, west Union north 8th street. Will contain five and six room flats. Plans complete and work to be done by Day Labor.

GARAGES

FRESNO, FRESNO CO., CAL.—Garage, 1 story and base, brick, \$12,000. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owner, Mrs. Lotta R. Krone. Location, Calaveras between I and J streets, covering an area of 60 by 90 feet. Will contain office and garage. Plans being prepared.

GOVERNMENT WORK & SUPPLIES

San Francisco Circular No. 32.

The following awards have been made by the depot quartermaster, San Francisco, Cal., under office circular No. 32, opened July 27, 1916:

1. B. & M. Greenberg's Sons Co., 225 Beale street, San Francisco, Cal.
4. The Geo. Lawrence Co., Portland, Ore.

6. Anti-Terodo Paint Co., 915 19th street, San Francisco, Cal.
9. Crane Company, 2nd and Llanana streets, San Francisco, Cal.

12. Koenig & Zanetti, 1750 7th avenue, San Francisco, Cal.
13. H. S. Crocker Co., 360 Market street, San Francisco, Cal.

15. W. S. Ray Manufacturing Co., 220 Market street, San Francisco, Cal.
19. Standard Chemical Co., Tacoma, Wash.

20. Payne's Bolt Works, 132 Howard street, San Francisco, Cal.
21. California Glue Co., Fairfax avenue and Rankin street, San Francisco, Cal.

22. International Harvester Co., Monadnock Bldg., San Francisco, Cal.
26. Seattle Tent and Awning Co., Seattle, Wash.

27. Morgan & Allen Co., 170 Post street, San Francisco, Cal.
28. Sun Tent and Awning Co., 54 Washington street, San Francisco, Cal.

29. Bass-Bueller, Pacific Co., 816 Mission street, San Francisco, Cal.
31. Yates & Co., 762 Polson street, San Francisco, Cal.

32. Chanslor & Lyon Co., 1235 Van Ness avenue, San Francisco, Cal.
33. The Disk Rubber Co., 1131 Van Ness avenue, San Francisco, Cal.

35. S. H. Frank & Co., 116 Battery street, San Francisco, Cal.
36. Weeks & Howe - Emerson Co., 90 Market street, San Francisco, Cal.

37. Fred Ward & Sons, 17 1/2 1st street, San Francisco, Cal.
38. W. P. Fuller & Co., 301 Mission street, San Francisco, Cal.

39. Schwabacher-Frey Stationery Co., 609 Market street, San Francisco, Cal.
40. C. Roman Co., 55 New Montgomery street, San Francisco, Cal.

41. Universal Trading Co., 270 4th avenue, New York city.
42. Morse-Klinkner Co., 1212 Market street, San Francisco, Cal.

43. Pacific States Electric Co., 575 Mission street, San Francisco, Cal.
46. Ames-Harris-Neville Co., 100 Potrero avenue, San Francisco, Cal.

47. H. C. Magnus Co., 777 California street, San Francisco, Cal.
48. Butler & Brittain 55 Main street, San Francisco, Cal.

49. Pacific Hardware and Steel Co., 7th and Townsend streets, San Francisco, Cal.
51. Evansville Tool Works, 729 5th street northwest, Washington, D. C.

52. Baker & Hamilton, 4th and Brannan streets, San Francisco, Cal.
53. Marine Electric Co., 350 Howard street, San Francisco, Cal.

54. Kevsten Bros., 120 2nd street, San Francisco, Cal.
55. Gibney Tire and Rubber Co., 357 Van Ness avenue, San Francisco, Cal.

56. California Steam and Plumbing Supply Co., 651 5th street, San Francisco, Cal.
57. Automobile Paint Co., pier 11, North River, New York city.

59. Sherwin-Williams Co., 451 2nd street, San Francisco, Cal.
61. R. F. Goodrich Rubber Co., 401 Mission street, San Francisco, Cal.

65. United States Rubber Co. of California, 50 Fremont street, San Francisco, Cal.
66. Holbrook, Merrill & Stetson, 6th and Bloxome streets, San Francisco, Cal.

67. Donham, Carrigan & Hayden Co., 100 Kansas street, San Francisco, Cal.
68. Ward & Co., Mills Bldg., Wash.ington, D. C.

70. Western Trading Co., 21 California street, San Francisco, Cal.
73. Harbison & Gathright, Louisville, Ky.

74. John Clark Saddlery Co., Portland, Ore.
Item 1, 200 lbs wax, saddle, 1 black African, 9c lb, bid 73

2, 1,500 gals acid, cathodic, crude, 12.5c gal, bid 91

3, 48 boards, wash, 9x12 in, 35c ea, bid 65

4, 500 bolts, carriage, common, 1 1/2 in, 76 per 100, bid 70

5, 1,000 bolts, machine, 1/2x1 1/2 in, \$2.7 per 100, bid 20

6, 1,000 do, 2 in, 2.90 per 100, do

7, 500 do, 3 in, \$3.29 do

8, 3,000 do, 7 in, \$4.85, do

9, 1,000 do, 7 1/2 in, \$5.04, do

10, 2,000 do, 8 in, \$5.24, do

11, 2,000 do, 9 in, \$5.63, do

12, 3,000 do, 10 in, \$6 do

13, 1,000 do, 12 in, \$8.80, do

14, 500 do, 14 in, \$7.58, do

15, 500 do, 15 in, \$7.97, do

16, 500 do, 16 in, \$8.36, do

17, 1,000 do, 17 in, \$8.75, do

18, 200 do, 19 in, \$9.11, do

19, 200 do, 20 in, \$9.53, do

20, 200 do, 22 in, \$9.92, do

21, 500 do, 5x2 1/2 in, \$1.47, do

22, 1,000 do, 7 in, \$1.04, do

23, 1,000 do, 7 1/2 in, \$7.32, do

24, 2,000 do, 8 in, \$7.61, do

25, 3,000 do, 9 in, \$8.18, do

26, 1,000 do, 10 in, \$8.75, do

27, 2,000 do, 11 in, \$9.32, do

28, 500 do, 12 in, \$10.47, do

29, 500 do, 14 in, \$11.02, do

30, 500 do, 15 in, \$12.60, do

31, 500 do, 16 in, \$12.17, do

32, 500 do, 17 in, \$12.71, do

33, 100 do, 18 in, \$13.21, do

34, 100 do, 19 in, \$13.71, do

35, 500 do, 20 in, \$14.45, do

36, 500 do, 5x7 in, \$10.31, do

37, 500 do, 8 in, \$11.14, do

38, 500 do, 10 in, \$12.79, do

39, 700 do, 12 in, \$13.61, do

40, 1,000 do, 12 in, \$14.43, do

41, 500 do, 14 in, \$16.97, do

42, 500 do, 15 in, \$16.89, do

43, 1,000 do, 16 in, \$17.57, do

44, 1,000 do, 17 in, \$18.55, do

45, 200 do, 18 in, \$19.35, do

46, 300 do, 19 in, \$20.17, do

47, 500 do, 21 in, \$21.01, do

48, 500 do, 22 in, \$22.65, do

49, 200 do, 23 in, \$23.45, do

50, 500 do, 5x3 1/2 in, \$5.04, do

51, 1,000 yds canvas, cotton, No. 1, 44 in, 43.5c yd, bid 46

52, 500 yds do, No. 4, 36 in, 66.5c yd, do

53, 500 yds do, No. 8, 28 in, 43c yd, do

54, 500 yds do, No. 10, 48 in, 59c yd, do

55, 500 yds do, khaki, 38.5c yd, bid 41

56, 2,000 yds do, cotton, No. 1, 22 in, 22c yd, bid 26

57, 1,000 yds do, No. 3, 22 in, 28.5c yd, do

58, 500 yds do, No. 4, 22 in, 26.3c yd, bid 28

59, 500 yds do, No. 8, 28 in, 27.5c yd, do

60, 500 yds do, No. 8, 96 in, \$1.015 yd, bid 46

61, 1,000 yds do, No. 12, 28 in, 20.5c yd, bid 28

62, 1 gal cement, patching, 20c qt, bid 61

63, 1 gal for, inner tubes, \$1.71 gal, bid 65

64, 2 gals paint, \$2.47 gal, bid 29

65, 500 gals do, 1 gal, \$2.32 gal, bid 49

66, 1,000 fasteners, joint, 35c lot, bid 49

67, 100 lbs fabric, 7 1/2 lb, bid 31

68, 1,000 lbs glue, lake, 16c lb, bid 21

69, 36 guards, lamp, 90c ea, bid 67

70, 60 bolts ink, black indelible, \$4.50 doz bolts, bid 25

71, 1,000 lbs leather, 54.5c lb, bid 35

72, 1,000 lbs do, russet, 74.5c lb, bid 31

73, 600 sq ft do, lace, rawhide, 65c sq ft, bid 4

74, 6 nipples, pipe, 4 in, 2.18 ea, bid 9

75, 12 do, 5 in long, 43c ea, do

76, 12 do, 6 in long, 43c ea, do

77, 24 do, 8 in long, 75c ea, bid 2

78, 24 do, pipe, galv, 1 1/2 in long, 1.1c ea, bid 9

79, 24 do, 2 in long, 2.5c ea, do

80, 24 do, paint, raw amber in oil, 12 1/2c lb, bid 21

81, 100 gals do, buff topping, 89c gal, bid 57

82, 200 gals do, buff, deck, \$1.575 gal, bid 31

83, 250 gals do, olive drab, \$1.575 gal, bid 25

84, 200 gals do, smokestack, buff, \$1.575 gal, bid 31

85, 2,000 ft pipe, wrought, 1 1/2 in, 10 1/2c ft, bid 9

86, 2,000 ft do, 1 in, 7 1/2c ft, bid 66

87, 2,000 ft do, 1 1/2 in, 12c ft, do

88, 2,000 ft do, 2 in, 16 1/2c ft, do

89, 12 plugs, basin, 1 1/4 in, \$2 ea, bid 66

90, 100 plugs, pipe, galv, 5/8 in, 1.3c ea, bid 56

91, 65 do, 3/4 in, 2c ea, do

92, 120 do, 1 in, 2.6c ea, do

93, 24 reducers, pipe, 1 1/2 in to 3/4 in, 30c ea, bid 7

94, 50 do, 3/4 in to 3/8 in, 4c ea, bid 58

95, 12 scales, spring balance, 45c ea, bid 68

101, 720 spurs, harness, 1 1/4 in, \$7.25 xro, bid 54

102, 35 do, 2 1/2 in, \$2.45 xro, do

103, 300 lbs soap, saddle, 24c lb, bid 51

104, 48 strainers, tea, 60c doz, bid 66

105, 1 roll tape, insulating, 3/4 in, \$1 roll, bid 42

107, 20 tires, automobile pneumatic, 30x3 1/2 in, \$7.78 ea, bid 67

108, 20 do, 30x3 1/2 in, \$9.4972 ea, do

109, 20 do, 32x3 1/2 in, \$10.95 ea, do

110, 10 do, 33x4 in, \$15.925 ea, do

111, 20 do, 34x4 in, \$15.876 ea, do

112, 20 do, 34x4 1/2 in, \$11.2979 ea, do

113, 12 do, 35x4 1/2 in, \$22.3965 ea, do

114, 12 do, 37x1 1/2 in, \$25.2156 ea, do

115, 12 do, 37x3 1/2 in, \$12.1351 ea, do

116, 10 do, \$29.25 ea, bid 51

117, 1 do, solid, 300x95 mm, \$28.15 ea, bid 61

118, 1 do, 1,000x95 mm, \$21.95 ea, do

119, 12 do, solid, d mountable, 36x1 in, \$23.05 ea, bid 55

120, 10 do, 36x5 in, \$29.15 ea, do

122, 2 do, solid, wireless, 36x3 in, \$16.40 ea, bid 55

123, 2 do, 32x4 in, \$23.85 ea, bid 64

124, 2 do, 24x4 in, \$21.80 ea, bid 55

125, 6 do, 36x1 in, \$23.05 ea, do

126, 20 do, 10x4, \$23.49 ea, do

127, 1 do, 42x4 in, \$28.65 ea, do

128, 1 transformer, bell ringing, \$6.60, bid 33

129, 100 lbs beeswax, 45c lb, bid 56

130, 10 tubes, auto, inner, 33x4 in, \$7.753 ea, bid 51

131, 20 do, 34x4 1/2 in, \$3.5268 ea, do

132, 1 do, 35x5 in, \$1.2963 ea, do

133, 10 do, 36x4 1/2 in, \$3.655 ea, do

134, 12 do, 37x4 1/2 in, \$1.777 ea, do

135, 8 lbs wax, floor, 8 lb cans, \$1.65 can, bid 38

136, 88 lbs do, 1 lb cans, 56c can, do

137, 49 lbs do, 2 lb cans, 41c can, do

138, 50 lbs do, 1 lb cans, 41c can, do

139, 50 do, 18 in, \$9.15 ea, do

140, 12 parts, Deering mowing machine, 25c ea, bid 27

141, 50 do, heads, knife, 31c ea, bid 41

142, 500 do, guards, 217c ea, do

143, 12 do, rods, fender, 20c ea, bid 41

144, 72 do, blanks, section 5c ea, do

145, 72 do, plates, wear, 10c ea, do

146, 6 do, plungers, tilting, 10c ea, do

147, 18 do, pawls, wheel, 14c ea, do

148, 36 do, pitmans, steel, 947c ea, do

149, 600 do, sections, smooth, 44c ea, do

150, 432 do, plates, guard, 24c ea, bid 23

151, 3 do, springs, seat, \$1.50 ea, do

152, 12 do, levers, lifting, complete, \$1.65 ea, do

153, 500 do, bolts, 7-16x1 1/2 in, 3.6c ea, do

154, 36 parts for McCormick mowing machine, 10c lb, bid 27

155, 1,000 do, knives, \$1.60 ea, do

156, 1,000 do, sections, knife, 3.25c ea, do

157, 500 do, guards, serrated, 217c ea, bid 41

158, 48 parts for Coldwell's lawn mower, screws, knife, \$1 doz, bid 52

159, 3 do, rollers, guard, \$3.5 ea, bid 67

160, 3 do, girls, back, \$3.20 ea, do

161, 6 do, knives, bottom, \$5.10 ea, do

162, 3 do, bars, iron, \$8.00 ea, do

163, 3 do, ratters, revolving, \$13.25 ea, do

164, 6 do, blades, \$1.30 ea, do

165, 1,000 lbs glue, lake, brown, 18c lb, bid 27

166, 25 gals paint, light blue enamel, \$2.44 gal, bid 31

167, 100 gals do, P & B, No. 1, 60c gal, bid 31

168, 100 gals do, No. 2, 50c gal, do

169, 50 gals do, No. 3, 40c gal, do

170, 200 gals do, dry, chrome green, 11c lb, bid 53

171, 200 lbs do, burnt amber, 55c lb, bid 40

172, 500 lbs do, raw amber, 5c lb, do

179. 150 gals do, red metallic, 77c gal, do.
 180. 500 gals do, red oxide of iron, \$1.20 gal, do.
 181. 6 sets renewals, battery, 75c set, bid 53.
 182. 50 bolts, carriage, common, 3-16 x 1½ in, 47c per 100, bid 48.
 183. 50 do, ¾ x 1½ in, 52c per 100, do.
 184. 50 do, 5-16 x 1½ in, 75c do, do.
 185. 50 do, ¾ x 2 in, 97c do, do.
 186. 50 do, 5-16 x 2½ in, 77c do, do.
 187. 50 do, ¾ x 3½ in, 66c do, do.
 188. 100 do, ¾ x 3½ in, \$1.19, do.
 189. 50 do, 3-16 x 4 in, 75c do, do.
 190. 50 do, ¾ x 4 in, \$1.35, do.
 191. 50 do, 5-16 x 4 in, 94c do, bid 18.
 192. 50 do, 3-16 x 4 in, 85c do, bid 32.
 193. 50 do, ¾ x 5 in, \$1.42, bid 38.
 194. 50 do, ¾ x 5½ in, \$1.59, bid 67.
 195. 50 do, ¾ x 6 in, \$1.67, do.
 196. 50 do, ¾ x 6 in, \$3.12, do.
 197. 50 do, ¾ x 6½ in, \$2.19, do.
 198. 50 do, ¾ x 8 in, \$3.80, do.
 199. 50 do, ¾ x 11 in, \$4.80, do.
 201. 12 cloths, dusting, \$1.20 doz, bid 68.
 202. 8 cans, per spec, \$2.45 ea, bid 15.
 203. 2 dies, steel, Q. M. C., \$1.25 ea, bid 12.
 205. 2 do, U. S., \$1 ea, do.
 206. 1 till, money, \$2.50, bid 67.
 207. 12 sets fluid, ink erasing, 25c set, bid 13.
 209. 6 files, cornered, \$1.50 doz, bid 67.
 210. 2 holders, paper, \$1.10 ea, bid 67.
 211. 2 hammers, nail, 20 oz, 52c ea, bid 49.
 212. 1 jaw, Stillson wrench, 44c, bid 49.
 212A. 170 gals oil, turbine, 35c gal, bid 38.
 213. 12 lbs paint, Prussian blue, 88c lb, bid 29.
 214. 5 qrs paper, stencil, \$3.50 qr, bid 39.
 215. 24 rakes, garden, steel, \$4.75 doz, bid 49.
 216. 2 clocks, office, \$4.50 ea, bid 27.
 217. 1 ribbon for numbering machine, 50c ea, bid 13.
 218. 1 lb rivets, copper, and burrs, 54c lb, bid 49.
 219. 6 straps, neckyoke, 90c ea, bid 74.
 220. 6 straps, backing, 55c ea, bid 4.
 221. 1 font type, rubber, \$1, bid 47.
 222. 12 weights, hitching, \$1.25 ea, bid 67.
 223. 6 anvils, blacksmiths', 150 lbs, 13.5c lb, bid 52.
 225. 12 bits, screwdriver, \$1.70 doz, bid 52.
 225. 2 sets bits, auger, \$3.40 set, bid 49.
 226. 50 bolts, machine, 9-16 x 4 in, 15c per 100, bid 20.
 228. 48 burners, lantern, 65c doz, bid 68.
 229. 300 do, street lamp, \$2.88 doz, bid 66.
 232. 2 clamps, door, 8 ft, \$4.50 ea, bid 67.
 233. 2 dictionaries, office, \$10.80 ea, bid 13.
 234. 10 diggers, post hole, 72c ea, bid 67.
 236. 30 founts, oil, street lamp, \$1.08 ea, bid 66.
 237. 24 hammers, blacksmiths', 26 oz, 50c ea, bid 51.
 238. 24 do, sledge, 18 lb, \$1.5c lb, bid 67.
 239. 6 do, nail, plain face, 43c ea, bid 51.
 240. 6 do, bell face, 43c ea, do.
 244. 18 gals ink, marking, \$3.84 doz pts, bid 42.
 245. 125 lbs leather, black harness, 44c sq ft, bid 35.
 246. 125 sq ft do, yellow latigo, 37c sq ft, do.
 247. 36 needles, sewing machine, 75c doz, bid 4.
 248. 20 cans oil, dag, \$1.92 can, bid 37.
 249. 12 springs, horse clipping machine, 5c ea, bid 67.
 250. 48 poker, stove, 24 in, \$1.75 doz, bid 66.
 251. 3,000 rivets, tubular, \$1.38 M, bid 74.
 252. 2,000 rods, ¾ in, \$1.15 M, do.
 253. 5,000 do, 7-16 in, \$1.52 M, do.
 254. 5,000 do, ½ in, \$1.62 M, bid 4.
 255. 5,000 do, ¾ in, \$1.75 M, bid 74.
 256. 50 straps, neckyoke, 78c ea, bid 56.
 257. 1 vise, hand, 25c, bid 49.

258. 1 set wrenches, 97c set, do.
 259. 12 books, time, 20c ea, bid 13.
 260. 2 gro buttons, 15c gro, bid 4.
 261. 2 shts celluloid 85c sht, bid 32.
 262. 200 lbs chain, 7-16 in, 7½ lb, bid 67.
 263. 1 machine, ratchet threading, \$14.85, bid 49.
 271. 2 sets dies, \$1.19 set, bid 49.
 272. 2 sets do, ¾ in, \$1.55 set, do.
 273. 2 bits, twist drill, 1-32 in, 7c ea, bid 49.
 274. 2 do, 5-22 in, 8.5c ea, do.
 275. 6 do, 6-32 in, 10c ea, do.
 276. 2 do, 8-32 in, 14c ea, do.

Alameda, Cal., Routing Cases.

The following bids were received by the custodian, U. S. post office, Alameda, Cal., for installing two routing cases in the above building:

John E. Sjostrom Co., Philadelphia, Pa., 1200; 90 days.
 Budde & Weis Mfg. Co., Jackson, Tenn., \$180; 120 days.
 The Federal Equipment Co., Carlisle, Pa., \$143.50; 75 days.
 Richmond School Furniture Co., Muncie, Ind., \$175; 90 days.
 Furnas Office and Bank Furniture Co., Indianapolis, Ind., \$142; 90 days.
 Jacob Beitzel & Sons, York, Pa., \$122; 85 days.

Reclamation, Drains.

The Secretary of the Interior has authorized the reclamation service to construct two drains out of the sum of \$350,000 set aside for drainage construction in co-operation with the Pioneer irrigation district, Boise irrigation project, Idaho, provided that it shall appear to the senior engineer and the drainage engineer of the Boise project that such drainage construction is necessary and advisable. The dredges now at work on the five-mile drain are approaching the location of the proposed drains, and if it is found that the five-mile drain will not sufficiently relieve the wet lands, the North and South Phyllis drains will be constructed.

Mare Island, Dredge.

The bids received on August 12 at the bureau of yards and docks for a one-ton gravity swing bucket dredge for use at the navy yard, Mare Island, have been rejected.

San Francisco, Cal., Cases.

The contract for 145 transfer cases and 6 pairs ends for the U. S. custom house at San Francisco, Cal., has been awarded to Watson Manufacturing Co., at \$2,936.

Stone Jetty Work.

A contract amounting to \$650,000 has been awarded to the Columbia Contract Co., of Portland, Ore., for constructing a stone jetty under bids opened by the U. S. engineer at Portland.

San Francisco, Pipe Line.

Thos. Crowley, of the Embarcadero, San Francisco, Cal., presented the successful bid at \$19,913 for installing a 4-inch flexible-joint pipe line at the San Francisco training station.

HALLS AND SOCIETY BUILDINGS.

VAN NUYS, LOS ANGELES CO., CAL.—City hall, 2 story and base, brick, \$30,000. Architect, J. J. Backus, City Hall, L. A. Owners, City of Los Angeles. Designed for a branch city hall, and will contain the offices of the city officials of Van Nuys, vaults, etc. Plans complete and figures to be opened on

October 2nd. Plans can be secured from the architect.

HOSPITALS

SAN FRANCISCO.—Hospital nurses home, 2 and 3 story. Class A construction. Cost not stated. Architects, Willis Polk & Co., Hobart Bldg., S. F. Owners, St. Mary's Hospital. Preliminary plans have been prepared for a two and three story fireproof building for a nurses' home. Funds for the construction are not yet available. Further mention will be made of the work.

FRESNO, FRESNO CO., CAL.—Hospital addition, 2 story, reinforced concrete. Cost not stated. Architects, Glass & Butler, Republican Bldg., Fresno. Owners, Fresno County. The addition will accommodate 100 patients. There will be four wards, each complete in itself, having separate diet kitchens, nurses' rooms and bath rooms. An automatic elevator will be included in the equipment. The second floor of the old hospital building is to be remodeled into a tile-finished operating suite. Plans are being prepared.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Hospital, 1 and 2 story and base, reinforced concrete, \$50,000. Architects, Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Santa Barbara County. Preliminary plans are being prepared for a new County Hospital. Details will be given when working drawings are started.

Contracts Awarded.

SAN JOSE, SANTA CLARA CO., CAL.—Hospital ward addition, 1 story, frame, \$8,285. Architect, William Binder, Red Bldg., San Jose. Owners, Santa Clara County. Contractor, Geo. H. Kemp, 483 Washington street, Santa Clara. Contract price, \$8,285.

HOTELS

BEND, ORE.—Hotel, 3 story and base, rock and frame, \$80,000. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Pilot Butte Hotel Co. Will cover a considerable ground area and contain 120 rooms and baths. Plans being prepared.

Contracts Awarded.

SEATTLE, WASH.—Hotel and stores, 3 story and base brick and steel, \$35,000. Architects, Thompson & Thompson, Mutual Life Bldg., Seattle. Owners, Franchal Bros. Contractor, John Kaufman, 612½ 3rd avenue, Seattle. Contract price \$35,000.

VISALIA, TULARE CO., CAL.—Hotel and stores, 4 story and base, brick and steel, \$107,000. Architect, Ernest Kump, Howell Bldg., Fresno. Owner, J. Sut Johnson. Trewthitt & Shields, Howell Bldg., Fresno, submitted the lowest of seven bids for the construction of this building. All bids were taken under advisement.

IRRIGATION PROJECTS

MODESTO, STANISLAUS CO., CAL.—Lining canal, concrete. Cost not stated. Engineer, Chief Engineer, Modesto. Owners, Modesto Irrigation District. Bids will be opened on October 12th at 10 a. m. for the construction of concrete lining in the main canal of the Modesto Irrigation District immediately below Raldrin Fill, and such work is more particularly de-

LOS ANGELES, CAL.—Drainage described and specified in the plans and specifications. Cost not stated. Engineer's name not given. Owners, Dominguez Estate Co., Title Insurance Bldg., L. A. Bids will be received by the Dominguez Estate Co. up to midnight October 3rd, 1916, for the construction of a drainage canal for conveying the surface waters of Nigger Slough to a point at or near Watson Station on the Pacific Electric line to San Pedro. Plans and specifications may be obtained at the office of the company. The approximate quantities of work required are: 147,500 cubic yards of excavation, 400 lineal feet of 5-inch concrete pipe, 30 yards of plain concrete for wing walls. Certified check for \$3,000 is required. George H. Hand is the engineer. The length of the canal will be 21,000 feet, with a maximum cut of 18 feet, base of canal 10 feet, with one side slope. Average cut about 10 feet; estimated wet excavation, 17,500 cubic yards; dry excavation 150,000 yards. The canal will drain about 1,500 acres and will provide an outlet for the storm waters of the Gardena district.

LIBRARIES

Contracts Awarded.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Library, 2 story and base reinforced concrete, \$59,938. Architect, Francis W. Wilson, 717½ State street Santa Barbara. Owners, City of Santa Barbara. Contractors, W. E. Kier Construction Co., San Diego. Contract price, \$59,938.

POWER PLANTS AND WATER SYSTEMS.

SAN FRANCISCO—Water system improvements, \$80,000. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Although T. W. McClenahan presented the low bid for all work except the construction of the pipe line at \$31,530, and T. D. Cowden the low bid for the pipe line at \$6,500, Cowden's will not be awarded to them. Cowden's bid did not state "all or none," and he admits a mistake in figuring the pipe line. Frank M. Garden Co. will probably be awarded the contract for clearing the site and constructing the concrete dam. Pacific Wire Fence Co. the contract for the fencing and Pringle-Dunn Co. the contract for the pipe line. Pringle-Dunn Co.'s figure for the pipe line is \$10,489.

SAN RAFAEL, MARIN CO., CAL.—Water supply system, \$3,000,000. Engineer's name not given. Owners, Marin Municipal Water District. Against the vote of four members, the Board of Directors of the Marin Municipal Water District passed a resolution accepting an offer by the Sutherland Construction Co. of Kansas City to purchase the entire \$3,000,000 bond issue and start construction of the Alpin dam.

LOS ANGELES, CAL.—Water system. Cost not stated. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Sealed bids will be received by the Board of Supervisors of Los Angeles County until 2 p. m. October 21, 1916, for furnishing and

installing a water system for Los Angeles Water Works District No. 2 in accordance with plans and specifications on file with said Board of Supervisors. Separate bids will be received for the sinking of the well, for the deep well pumping system and for the piping, etc. It is proposed to sink a 12-inch well approximately 400 feet in depth, to be cased with No. 12 gauge double stovepipe casing. An alternate bid will be received for sinking a well by rotary process, furnishing 12-inch screw casing. The pumping system will consist of a deep well turbine pattern centrifugal pump with Lutweller type pump, pump to be capable of delivering 300 gallons of water per minute, the total lift being 90 feet. Pump is to be motor driven. The piping required will include 3,200 feet of 6-inch and 16,000 feet of 4-inch wood stave pipe, 2-inch circulating line, cast iron fittings, etc. There will be a 50,000 gallon wood stave tank on a 50-foot wooden tower, resting on concrete piers.

Contracts Awarded.

SAN PABLO, CONTRA COSTA CO., CAL.—Dam, reinforced concrete, \$2,000,000. Engineer, Engineering Dept. People's Water Co., Oakland. Owners People's Water Co. Contractors, Bates, Borland & Ayer, Oakland Bank of Savings Bldg., Oakland. Contract price \$2,000,000.

RAILROAD CONSTRUCTION AND EQUIPMENT.

Contracts Awarded.

PORTLAND, ORE.—Railroad construction, \$200,000. Engineer's name not given. Owners, Oregon-Washington Railroad and Navigation Co. Contractors, Twoby Bros., Portland. Contract price, \$200,000.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,500. Architect none. Owner, S. A. Born Building Co., 660 Market street, S. F. Location, lot 19 Lincoln Manor. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 1 story and base, frame, \$2,000 each. Architect, none. Owners, MacArthur Bros. 1560 Fell street, S. F. Location, west Madrid south Peru. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences 2, 1 story and base, frame, \$2,000 each. Architect, none. Owner, N. F. Nilsson 355 Coleridge street, S. F. Location, north Santa Ynez east Otsego. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect none. Owner, L. A. Seright, 680 9th avenue, S. F. Location, east 34th avenue south Lincoln. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, N. W. Mohr, 45 Kearny street, S. F. Owner, John J. Lane. Location, east Collingwood south 21st. Will contain five

rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, A. Aronson. Owner, O. F. Garside, 2520 19th avenue S. F. Location, west 25th avenue south Taraval. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$12,000. Architects Falch & Knoll, Hearst Bldg., S. F. Owner's name withheld. Location, Forest Hill. Will contain twelve rooms, three baths and a separate garage. Plans being prepared.

SAN FRANCISCO—Residences, 5, 2 story and base, frame, \$2,000 each. Architect, J. C. Illadik, Monadnock Bldg., S. F. Owner, George Wagner. Location south Sunnyside west Baden. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, C. S. McNally, 46 Kearny street S. F. Owner's name withheld. Location, 17th avenue and 21st street. Will contain five rooms and bath. Plans complete and figures being taken.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, 3277 Liberty avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,200. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owner, F. Holberg Reimers. Location, south Grayson west 7th. Will contain four rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect none. Owner, Oscar Swanson, 572 Clipper street, S. F. Location west Curtis north Marin. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,200. Architect, none. Owner, Joseph E. Reite, 1561 5th street, Alameda. Location, 749 Taylor street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residence alterations, 2 story and base, frame, \$4,000. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owner, J. R. Christy. Location, San Antonio avenue near Oak. Work will consist of interior and exterior alterations, plumbing, etc. Plans are being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, J. F. Whalen, 1748 Broadway, Oakland. Location, east Everett south Hampel. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect none. Owner, S. A. Isakson, 1464 55th avenue, Oakland. Location, west 38th avenue north Hopkins. Will contain five rooms, bath and sleeping porch.

Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,350. Architect none. Owner, C. M. Dean, 512 13th St., Oakland. Location, south Deluth east Fruitvale. Will contain five rooms bath and sleeping porch. Plans complete and figures being taken.

OAKLAND CAL.—Residence, 1 story and base frame, \$2,000. Architect, none. Owner, B. A. Dice, 429 13th St. Oakland. Location, east Shafter south 40th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$4,500. Architect, M. I. Diggs Syndicate Bldg., Oakland. Owner, John D. Garreston, Thomson Bldg. Location, east Thomas north Broadway. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Thomas Kearny, 2219 McKinley street, Berkeley Location east McKinley south Allston Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect none. Owner, F. Vonn 1249 81st avenue, Oakland. Location 1249 81st avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, W. E. McChesney, 1315 San Luis avenue, Oakland. Location, south Braum east Havenscourt. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, J. Coward, 6081 Claremont avenue, Oakland. Location, north Chabot Road east Elsie. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 2, 1 story and base, frame, \$2,900 each. Architect none. Owner, R. C. Hillen 430 Haight avenue, Alameda Location southeast Virginia and Chestnut. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

MT. DIABLO, CONTRA COSTA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, E. J. Bull. Will contain seven rooms, bath and sleeping porch. Plans being prepared

VISALIA, TULARE CO., CAL.—Residence, 2 story and base frame, \$25,000. Architect, Alvin J. Stern, 306 14th St., Oakland. Owner, E. B. Dudley. Will contain fifteen rooms, five baths, sleeping porch and separate garage. Plans complete and in the hands of the owner who will do the work by Day Labor.

SACRAMENTO, CAL.—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, I. B. Mattson, 2817 K street, Sacramento. Location, 511 28th avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, W. D. McKay, 417 19th street, Sacramento. Location, lot 8, North Sacramento. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$30,000. Architects, Bakewell & Brown, 251 Kearny street S. F. Owner, Frank King. Location Jackson and Walnut. Will contain 12 rooms and 6 baths. Plans complete and figures being taken.

SAN FRANCISCO—Residences, 1, 2 story and base, frame, \$3,500 each. Architect, H. H. Guttersen, 278 Post St. S. F. Owners, St. Francis Home Building Co. Location, south Terrace Drive, east Portola Drive. Each dwelling will contain six rooms and bath. Separate garages. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect none. Owner, A. T. Morris, 501 11th avenue, S. F. Location, west 10th avenue south Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Ole Kolen, 3127 Bruce street, Oakland. Location, southwest corner Santa Rita and Ransome avenue. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FALL RIVER MILLS, SHASTA CO., CAL.—Residence, 1 story and base, frame, \$1,000. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Alvin Florin. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

SCHOOLS

SAN JOSE, SANTA CLARA CO., CAL.—School addition and heating system. Cost not stated. Architects' names as follows. Owners, City of San Jose. All bids for the construction of the addition to the Washington School, designed by Architect F. G. Aitken, Theatre Bldg., have been rejected. About \$10,000 is available for construction and the lowest figure received was \$12,150. Plans will be revised and new figures called. The date for opening bids for the heating system to be installed in the San Jose High School addition, designed by Architect William Binder, has been postponed until October 10th.

MARTINEZ, CONTRA COSTA CO., CAL.—School, 1 and 2 story and base, brick, \$51,000. Architects, Stone & Wright, Stockton. Owner, Martinez School District. Will contain ten class rooms and a large auditorium. Plans complete and figures to be opened on October 28th.

SPARKS, NEVADA.—School, 1 story and base, brick or hollow tile, \$35,000. Architect, F. J. De Louchmans, Reno, Nev. Owners, Sparks School District. Will contain six rooms and auditorium. Plans complete and figures being taken. Plans can be secured from the architect or the Clerk of the Board of Education.

PALO ALTO, SANTA CLARA CO., CAL.—School, 2 story and base, Class C construction, \$100,000. Architect not

selected. Owners, City of Palo Alto Competitive plans for the new \$100,000 school building to be erected at Palo Alto will be submitted by three architects only. From some sixteen applications the Board of Education selected Architect W. H. Weeks, 75 Post street, San Francisco; John J. Donovan, Perry Bldg., Oakland, and Allison & Allison, of Los Angeles.

Contracts Awarded.

SEATTLE, WASH.—School, 4 story and base. Class A construction, \$196,500. Architect, Edgar Blair, Seattle. Owners, City of Seattle. Contractors, Jenkins & Jones, Hineley Bldg., Seattle. Contract price, \$196,600.

SEWERS, STREET WORK & WATER SYSTEMS

HILLSBOROUGH, SAN MATEO CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Holbrook Bldg., S. F. Owners, City of Hillsborough. Bids were to have been opened by the Town Trustees of Hillsborough at their regular meeting Tuesday evening, September 19th, for the improvement of Barriolhet avenue from the eastern limits of the city to the west line of Brewer Drive. Action was postponed, however, for two weeks and the bids will be opened on October 3rd.

SUNNYVALE, SANTA CLARA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Sunnyvale. Owners, City of Sunnyvale. The Town Trustees have ordered bids received up to October 3rd at 8 p. m. for the construction of an oiled macadam roadbed, base seven inches deep with three grades of crushed rock and surface on the following streets: Taft street from the south side of the right-of-way of the Southern Pacific railroad or station, running thence southerly to the south side of Evelyn avenue. Evelyn avenue from Taft street to Murphy avenue. A 20-foot strip along the center of Murphy avenue from Washington avenue to San Jose and San Francisco road or the State highway. With full width at all crossing streets, and turnouts, or 30-foot gores, connecting with the gutter line and shoulders along the sides of said 20-foot strip, together with concrete curbs and gutters along both sides of said streets. Plans and specifications are on file in the office of the Town Clerk.

MARTINEZ, CONTRA COSTA CO., CAL.—Road improvements. Cost not stated. Engineer, County Surveyor, Martinez. Owners, Contra Costa County. Bids will be opened on October 9th at 11 a. m. for the furnishing of materials and grading and preparing the sub-grade and placing corrugated iron culverts and furnishing material and placing an oil macadam base on road, beginning at the southwest corner of the property of the C. A. Smith Lumber Co. on the north line of the right-of-way of the Southern Pacific Railway and running east and parallel to the Southern Pacific tracks to a point opposite the main street in the town of Day Point at the Southern Pacific depot, a distance of 2,662 lineal feet.

SANTA ROSA, SONOMA CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Santa Rosa

Owners, Sonoma County. Bids will be opened on October 11th at 12 noon for the construction of a road between Cazadero and the mouth of Austin Creek in Austin Permanent Road Division.

FAIRFIELD, SOLANO CO., CAL.—Road Construction. Cost not stated. Engineer, County Surveyor Fairfield. Owners, Solano County. Bids will be opened on October 2nd at 11 a. m. for grading and paving with concrete part of roads No. 87 and No. 252, at Cordelia, Road District No. 3, Solano County. The total length to be improved is about 6,400 feet, and will include concrete culverts and small concrete bridges. Bidders will bid on entire work.

ORANGE, ORANGE CO., CAL.—Street paving. Cost not stated. Engineer, County Surveyor Orange. Owners, Orange County. Bids will be opened on October 4th at 2 p. m. for the construction of a 4 inch 16 foot wide concrete pavement on Myford road, extending from State highway northeast a distance of about three-fourths of a mile. Under these specifications the County of Orange will furnish the necessary sand, crushed rock, gravel and cement 1 c. b. cars nearest freight siding to said work.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 5th for street improvements authorized under the following Resolution: That all that portion of Oak street that lies north of the north line of 14th street, and all that portion of Lake street that lies east of the east line of Jackson street, each be graded curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt; a vitrified pipe conduit, having an internal diameter of 16 inches; two brick storm water inlets and two brick manholes be constructed.

WOODLAND, YOLO CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Woodland. Owners, City of Woodland. The Board of Trustees has ordered bids received for the improvement of Elm street from Main to Pendegast, and Third street from Main to Marshall. Plans may be had from the City Clerk.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 5th at 12 noon for street improvements authorized under the following resolution. That the portion of Foot-hill Boulevard, beginning at a point on the boundary line of the city of Oakland at San Leandro Creek, etc., be graded and paved with a concrete pavement, having an asphaltic wearing surface.

REDWOOD CITY, SAN MATEO CO., CAL.—Street improvement. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. The County Supervisors have rejected the bid of Thomas Flynn recently submitted for macadamizing Laurel and Mills avenue in the Third District.

MERCED, MERCED CO., CAL.—Lighting system, \$10,000. Engineer, City Engineer, Merced. Owners, City of Merced. The City Trustees have ordered Consulting Engineer Phillips to

prepare plans and specifications for the proposed lighting system.

SANTA ROSA, SONOMA CO., CAL.—Crushed rock. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Bids will be received on October 2nd at 5 p. m. for furnishing and delivering to any designated place or places in Santa Rosa, or undelivered at the quarry or crusher in the bunkers, 8,000 cubic yards, more or less, of crushed basalt rock, said rock to be free from all decomposed rock and soil, and to be what is known as Nos. 1, 2, 3 and 4. Separate bids will be received on grades Nos. 1 and 2, on grades 3 and 4 on grades 1, 2, 3 and 4 each grade to be separated in bids. Delivery of rock to be made in such quantities and at times as desired by the City Council.

Contracts Awarded

MARTINEZZ, CONTRA COSTA CO., CAL.—Fire alarm system, \$5,000. Engineer, City Engineer, Martinez. Owners, City of Martinez. Contractors Gamewell Fire Alarm System, 86 3rd street, S. F. Contract price, \$5,000.

RIO VISTA, SOLANO CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Rio Vista. Owners, City of Rio Vista. Contractors, Johnson-Shea Co., Central Bank Bldg., Oakland. Contract price not stated.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement, \$10,721.25. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractor, L. L. Page, 8th and Bissell streets, Richmond. Contract price, \$10,721.25.

PETALUMA, SONOMA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Contractors, Woods & Silva, Petaluma. Contract price not stated.

VALLEJO, SOLANO CO., CAL.—Pipe cast iron, \$2,244.15. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Contractors, American Cast Iron Pipe Co., Balboa Bldg., S. F. Contract price, \$2,244.15.

SAN JOSE, SANTA CLARA CO., CAL.—Street improvements, \$3,544. Engineer, City Engineer, San Jose. Owners, City of San Jose. Contractor, J. W. McDonald, Bank of Italy Bldg., San Jose. Contract price, \$3,544.

LINDSAY, TULARE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Lindsay. Owners, City of Lindsay. Contractors, Worswick Paving Co., Fresno. Contract price not stated.

STOCKTON, SAN JOAQUIN CO., CAL.—Street paving, \$7,621.16. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors, Paul & Caldwell, Stockton. Contract price, \$7,621.16.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That Sacramento avenue from Madrone avenue and 35th street to the north line of Cypress avenue, be improved by constructing concrete curb, concrete gutter, 6-inch, vitrified, ironstone sewer pipe drains; placing one 6-inch, vitrified, ironstone Y branch on 8-inch sewer pipe in place; grading the space between the property line and curb; constructing concrete sidewalk; placing two cast iron gutter drains with 6-

inch, vitrified, ironstone sewer pipe elbows attached; reconstructing two concrete manholes; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to Clark & Henry, Ochsner Bldg., Sacramento.

That "Randall Lane, from J street to the north line of Cornell avenue, be improved by constructing concrete curb, concrete gutter, 6 and 8-inch, vitrified, ironstone sewer pipe drains; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes; placing six 6-inch, vitrified ironstone Y branches and 8-inch vitrified, ironstone pipe sewer; facing 85 linear feet of concrete curb now placed with cement mortar; grading the roadway from the south line of J street to the north line of Cornell avenue and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to Clark & Henry Construction Co., Ochsner Bldg., Sacramento.

That the alley between Dwight Way and Channing Way, from P street in Wright & Kimbrough Subdivision No. 20 to the north line of lot N in Wright & Kimbrough Subdivision No. 20, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer; placing 32 6-inch, vitrified, ironstone Y branches on 8-inch, vitrified, ironstone pipe sewers; 2 concrete manholes. Awarded to J. W. Terrell, 1111 29th street, Sacramento.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts have been awarded under the following resolutions: That Fairfax avenue from the production of the northwest line of Renwick street to the production of the north line of lot 1, block 5, of the "Melrose Heights" Tract, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement; a vitrified pipe conduit, having an internal diameter of 10 inches, a vitrified pipe conduit having an internal diameter of 16 inches; a concrete culvert three brick manholes, one concrete manhole and a cast iron inlet be constructed. Awarded to Hutchinson Co., 13th and Franklin streets, Oakland.

That Delaware street in the vicinity of Maple avenue be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement sidewalks 5 feet wide; a concrete culvert, having maximum internal dimensions of 2½ feet in height by 3 feet in width, a brick storm water inlet with cast iron top, a 16-inch, vitrified pipe conduit and a cast iron handhole be constructed. Awarded to Hutchinson Co., 13th and Franklin streets, Oakland.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That the alley between first north of

First avenue in West Curtis Oaks from Freepport road to the alley next west of 24th street; the alley first south of Dallas avenue west of 24th street; the alley first east of Freepport road and north of First avenue and the right-of-way through lot 8, Highland Park, from the alley south of Dallas avenue to the alley north of First avenue, he improved by excavating a trench in each of said alleys and right-of-way and constructing therein an 8-inch, vitrified, ironstone pipe sewer and 56 6-inch, vitrified ironstone Y branches; constructing 6 concrete manholes complete with cast iron curbs and covers, and backfilling the trenches. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

That the alley between F street and G street and between Mont Clair avenue and 42nd street in Mont Clair, be improved by constructing therein 8-inch, vitrified, ironstone pipe sewer, a concrete manhole complete, placing 36 6-inch, vitrified, ironstone Y branches with covers, and doing all necessary excavating and backfilling of trenches. Awarded to J. W. Terrill, 1111 29th street, Sacramento.

STORES AND OFFICES

SAN FRANCISCO—Offices, 3 story and base. Class A construction. Cost not stated. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owners, Union Iron Works. Location, 20th and Illinois streets, covering an area of 65 by 110 feet. Plans complete and figures being taken.

SAN FRANCISCO—Stores, 3 story and base. Class C construction. Cost not stated. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, I. I. and B. C. Brown, leased to Newman's Furniture Co. Location, southeast 17th and Mission streets, covering an area of 110 by 162½ feet. Plans complete and figures being taken.

OAKLAND, CAL.—Offices, 1 story and base, brick and terra cotta, \$10,000. Architect, W. D. Reed, Oakland Bank of Savings Bldg., Oakland. Owners, Hutchinson Co. Location, north 17th street east Broadway, covering an area of 40 by 60 feet. Plans complete and figures being taken.

FRESNO, FRESNO CO., CAL.—Store alteration, brick. Cost not stated. Architect, Eugene Mathewson, Cory Bldg., Fresno. Owner, James Porteous. Location, Tulare and L streets. Work will consist of both interior and exterior alterations, plumbing, plastering, carpentry, painting and electric work. Plans are being prepared.

SAN FRANCISCO—Offices, 3 story and base. Class A construction. Cost not stated. Architect not selected. Owners, Merchants' Exchange. At Tuesday's meeting of the Directors of the Merchants' Exchange the Board placed themselves on record as favoring the construction of a three-story Class A office building to be erected on the property of the defunct California Safe Deposit at the southeast corner of California and Montgomery streets. While no official action was taken regarding the selection of an architect, it is generally conceded that plans will be prepared by Architect Willis Polk, Hobart Bldg. The building will be designed to carry several additional stories.

SAN FRANCISCO—Stores, 1 story and base, brick, \$13,000. Architect,

William H. Crim, Jr., 425 Kearny St., S. F. Owners, Robert White Co. Location, west Fillmore east Geary, covering an area of 34 by 135 feet. Plans complete and figures being taken.

SAN FRANCISCO—Store and lofts, 7 story and base, reinforced concrete. Cost not stated. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Langley & Michaels Co. Location, west First street between Market and Mission, covering an area of 40 by 162½ by 81½. Plans complete and figures being taken.

OAKLAND, CAL.—Stores, 1 story and base, frame, \$2,500. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Mr. Rand. Location, 14th and West streets. Will contain one store. Plans being prepared.

Contracts Awarded.

SAN FRANCISCO—Stores, 1 story and base, frame, \$4,000. Architect none. Owner, C. H. Westphal, Contractor, Gustave Anderson, 2330 24th street, S. F. Contract price, \$4,000.

THEATRES

BERKELEY, ALAMEDA CO., CAL.—Theatre and stores, 2 story and base. Class A and Class C construction, \$100,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners Williamson & Bradshaw. Location, south University between Milvia and Shattuck, covering an area of 153 by 150 feet. Will contain a large theatre, with a seating capacity of 1,000 and several stores. Preliminary plans only have been prepared. Further mention will be made of the work.

LOS ANGELES, CAL.—Theatre and offices, 6 story and base. Class A construction, \$600,000. Architect, Albert C. Martin, Higgins Bldg., L. A. Owners, Stability Building Co., incorporators: E. P. Clark, A. P. Johnson, Homer Laughlin, F. W. Flint, C. C. Chapman L. P. Kelly, J. R. Clark, Frank Clark and R. A. Rowan. Location, southwest 3rd and Broadway, covering an area of 120 by 193 feet. Further mention will be made of this work as the plans progress.

SEALED PROPOSALS

PROPOSALS FOR CANAL WORK.

PANAMA CIRCULAR 1081 — Proposals for Air Compressor, Steel Office Furniture, Office Chairs, Folding Chairs, Chain, Wire Netting, Brake Beams, Bushing Pins, Rivets, Screws, Grommets, Hammers, Dies, Drills, Bits, Chisels, Files, Rasps, Saw Blades, Carpenters' Clamps, Chaplet Stems, Wire Brushes, Marine Brushes, Anchors, Lids, Presses, Cords, Carlocks, Marine Lights, Ejectors, Steam Gauges, Engine Lubricators, Grease Cups, Priming Cups, Levels, Door Checks, Clocks, Chalk Plates, Rubber Boots, Plate Glass, Butchers' Saws, Kitchen Utensils, Chinaware, Drinking Glasses, Spoons, Towels, Paper Fasteners, Penholders, Pencils, Record Books, Paper Cups, Paper and Cardboard.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., October 3, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1081) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. Army general purchasing officer.

PROPOSALS FOR BUILDING.

BUILDING—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m., October 23, 1916, for the extension, remodeling, etc., of the United States post office at Boise, Idaho. Drawings and specifications may be obtained from the custodian at Boise, Idaho, or at this office. For particular address the supervising architect, JAMES A. WETMORE, acting supervising architect.

PROPOSALS FOR RECLAMATION WORK.

RECLAMATION WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until 2 o'clock p. m., October 10, 1916, for the construction of canals and structures on the Flathead project Montana, involving about 165,000 cubic yards of excavation, 125 cubic yards of reinforced concrete, 1,000 square yards of paving, laying 1,100 linear feet of vitrified pipe, erecting 64,000 feet, b. m., of lumber, erecting 2,300 linear feet of steel flume and placing 36,000 pounds of structural and reinforcing steel. The work is located near St. Ignatius and Dixon, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or St. Ignatius, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR EXCAVATORS.

EXCAVATORS—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m., October 2, 1916, for furnishing digline excavators. For particular address the United States Reclamation Service, Denver, Colo. A. P. DAVIS, chief engineer.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until 2 o'clock p. m., October 10, 1916, for the construction of canals and structures on the Flathead project, Montana, involving about 165,000 cubic yards of excavation, 125 cubic yards of reinforced concrete, 1,000 square yards of paving, laying 1,100 linear feet of vitrified pipe, erecting 64,000 feet, b. m., of lumber, erecting 2,300 linear feet of steel flume and placing 36,000 pounds of structural and reinforcing steel. The work is located near St. Ignatius and Dixon, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or St. Ignatius, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR Q. M. SUPPLIES.

SAN FRANCISCO, NO. 75.—Office of the Depot Quartermaster, U. S. Army, Fort Mason, San Francisco, Cal.—Sealed proposals will be received here until September 27, 1916, and proposal No. 75 for furnishing: 55 coal baskets, 60 dozen hacksaw blades, 84 ambulance blankets, 2,000 sheets bin board, 1,000 Bristol cards, 500 catches, 300 feet brass chain, 1,322 boxes paper clips, 1,000 counterpanes, 200 pounds graphite, 12 grindstones, 700 pounds flat iron, 12 wagon lines, 144 table knives, 10 saddlers' kits, 68 team lines, 60 hose nozzles, 650 calender pads, 100 pie plates, 8 dozen pliers, 500 parts for electric fan, 15 pounds brass pins, 72 quires, 500 quire comb and brush, 250 pounds rivets and burrs, harness parts, 2,000 pounds white cotton waste, 50 folding tables, 75 water coolers, 10 quires, 5000 emery cloth, 120 tin boilers, 12 hacksaw frames, 184 pairs ambulance harness frames, 15 blacksmiths' fullers and 500 pounds tool steel. For further information address JOHN T. KNIGHT, colonel, quartermaster corps, U. S. Army, depot quartermaster.

STATE OF CALIFORNIA,
DEPARTMENT OF ENGINEERING.
CALIFORNIA HIGHWAY COMMISSION
NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on October 9, 1916, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Sonoma County, on the road between Cotati and Petaluma from Highland Avenue to Willow Brook (IV-Son-1-C), about 3.5 miles in length, to be graded. Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" attached to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
GEO. R. WINSLOW,
1st Assistant Highway Engineer.
WILSON R. ELLIS,
Secretary. (*)

Dated: September 12, 1916.

INTEREST DEVELOPED IN SOUTH AMERICAN INVESTMENTS.

The interest of United States investors in the South American field is indicated by a recent report from a commercial attaché in which he states that he had a conference with a representative of a prominent American investment firm, during which the representative stated that his firm was prepared to purchase South American municipal or State bonds in substantial amounts and that it would also be interested in industrials. The policy of this American firm was stated to be such as to preclude an interest in transactions involving construction contracts.

CONSUL TO NAGASAKI WILL INTERVIEW BUSINESS MEN.

E. Carlton Baker, American Consul to Nagasaki, Japan, on leave, will be in this vicinity from about September 26 to October 5, when he returns to his post. Business men desiring interviews with Mr. Baker can arrange through the commercial agent of the Bureau of Foreign and Domestic Commerce, 207 Custom House, San Francisco.

Mr. Baker is a Californian, graduate of U. of C. and served in the American Consular Service in Foochow, Amoy, Antung and Chungking, China, before his assignment to Nagasaki.

CO-OPERATIVE OFFICE ESTABLISHED IN PORTLAND.

A co-operative office of the Bureau of Foreign and Domestic Commerce has been established with the Foreign

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

Trade Department of the Portland Chamber of Commerce, Portland, Ore., with Mr. Ansel R. Clark in charge of the office. Mr. Clark is foreign trade secretary of the organization.

MARTINEZ PLANS LIGHT SYSTEM.

Engineers Begin Survey For Last Word in Municipal Illuminating.

MARTINEZ—In preparation for the installation of an entirely new street lighting system, to be the last work in municipal illumination progress, electrical engineers and experts in the matter of municipal lighting soon will begin a comprehensive survey of Martinez. The present system is to be completely changed and better light is assured for all parts of town.

It is expected the new system will be completed before winter.

DRY DOCK AT SAN DIEGO.

SAN DIEGO—Culminating five months of investigation of suitable sites, plans are announced for the construction here of a \$1,250,000 dry dock and shipbuilding plant, actual construction work to begin within a month. Thomas C. Bond is promoting the scheme, which he claims has the backing of the O'Dell and Wanamaker interests of New York and Philadelphia. The dock is to be a replica of the "Dewey" the floating naval dock now in use in the Hawaiian Islands, and will accommodate the largest ships of either the navy or of private concerns. A working model is now in the Government exhibit at the Exposition. The building of ships is to be undertaken on a large scale, four berths being contemplated.

FAST ELECTRIC TRAINS TO Sacramento

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico. Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:30A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland, Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 1339
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 1711.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

IRRIGATION PLANNED.

At a meeting at Placerville, El Dorado County, recently steps were taken in behalf of a proposed Diamond Ridge Irrigation Project for the Pleasant Valley district. Estimates were made that the cost would be \$3 per acre for the first twenty years, and not more than \$1 per acre thereafter. The total cost of the project was placed at between \$2,000,000 and \$2,500,000.—Sacramento Valley Magazine.

Contractors all over the country are moving more material in less time and at a smaller expense with
FOUR WHEEL DRIVE TRUCKS
than with any other method of transportation.

Consider what power on all four wheels would mean for you in your business.

Large Contractors and corporations the world over are finding that power on all four wheels results definitely and decisively in:--

100 per cent saving in cost of tires.

Greater durability to every wearing part.

Allows equal distribution of load, thus

Eliminating undue strain on any one part.

Enormous saving in cost of up-keep.

More mileage per gallon of gasoline and oil.

DEPENDABLE SERVICE - no idle days waiting for repairs.

Remember that every F. W. D. Truck built in the past seven years is working to-day, and they are performing harder and more persistent service at a given cost than any other truck built to-day.

You owe it to yourself to investigate the F. W. D. truck.

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

APARTMENT HOUSE—4 story and base, Class C construction, \$25,000. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, William Smith. Location, Jones between Sutter and Dush. Will cover an area of 25 by 120 feet and contain eight apartments of two rooms each. Plans complete and figures being taken.

APARTMENT HOUSE—3 story and base, frame, \$16,000. San Francisco. Architect, none. Owner, M. Silverman 1062 Van Ness avenue, S. F. Location, north Pacific west Powell, covering an area of 15 by 135 feet. Plans complete and work to be done by Day Labor under the direction of J. Soekolov, 2538 Clay street.

APARTMENT HOUSE—2 story and base, frame, \$8,000. San Francisco. Architect, Kenneth McDonald, Sr., Call Post Bldg., S. F. Owner, C. J. Carter. Location, Lake street between 21st and 22nd avenues. Will contain two apartments of eight rooms each. Plans complete and segregated figures being taken.

RESIDENCE—2 story and base, frame, \$3,500. San Francisco. Architect, none. Owner, S. A. Born Building Co., 660 Market street, S. F. Location, lot 19, Lincoln Manor. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. San Francisco. Architect, none. Owners, MacArthur Bros., 1560 Fell street, S. F. Location, west Madrid south Peru. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. San Francisco. Architect, none. Owner, N. F. Nilsson, 355 Coleridge street, S. F. Location, north Santa Ynez east Otsego. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, L. A. Sright, 650 9th avenue, S. F. Location, east 24th avenue south Lincoln. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, N. W. Mohr, 15 Kearny street, S. F. Owner, John J. Lane. Location, east Collingswood south 21st. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,000. San Francisco. Architect, A. Aronson. Owner, O. F. Garside, 2520 19th avenue, S. F. Location, west 25th avenue south Taraval. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$12,000. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner's name withheld. Location, Forest Hill. Will contain twelve rooms, three baths and a separate garage. Plans being prepared.

RESIDENCES—5, 2 story and base, frame, \$2,000 each. San Francisco. Architect, J. C. Hladik, Monadnock Bldg., S. F. Owner, George Wagner. Location, south Sunnyside west Baden. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

HOSPITAL NURSES' HOME—2 and 3 story. Class A construction. Cost not stated. San Francisco. Architects, Willis Polk & Co., Hobart Bldg., S. F. Owners, St. Mary's Hospital. Preliminary plans have been prepared for a two and three story fireproof building for a nurses' home. Funds for the construction are not yet available. Further mention will be made of the work.

OFFICES—3 story and base, Class A construction. Cost not stated. San Francisco. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owners, Union Iron Works. Location, 29th and Illinois streets, covering an area of 65 by 110 feet. Plans complete and figures being taken.

STORES—3 story and base. Class C construction. Cost not stated. San Francisco. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, L. I. and B. C. Brown, leased to Newman's Furniture Co. Location, southeast 17th and Mission streets, covering an area of 110 by 162½ feet. Plans complete and figures being taken.

WAREHOUSE—2 story and base, Class C construction, \$10,000. San Francisco. Architect, Sylvain Schnaitacher, 233 Post street, S. F. Owners, Raychester Co. Location, north Harrison near 5th. Bids in and under advisement. Contract to be awarded shortly.

FLATS—2 story and base, frame, Cost not stated. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Adolph Kaufmann. Location, east 5th avenue north Lake. Will contain two flats of eight rooms and two baths each. Plans complete and segregated figures being taken.

FLATS—2, 3 story and base, frame, \$5,500 each. San Francisco. Architect, Charles Fantoni, 916 Kearny street, S. F. Owners, Mrs. Elena Dunn and J. Geminiani. Location, north Union west Taylor. Each building will contain three flats of five and six rooms. Plans complete and figures being taken.

WATER SYSTEM IMPROVEMENTS—\$60,000. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Although T. W. McClenahan presented the low bid for all work except the construction of the pipe line at \$31,550, and T. D. Cowden the low bid for the pipe line at \$6,500, contracts will not be awarded to them. Cowden's bid did not state "all or none," and he admits a mistake in figuring

the pipe line. Frank M. Garden Co. will probably be awarded the contract for clearing the site and constructing the concrete dam. Pacific Wire Fence Co. the contract for the fencing, and Pringle-Dunn Co. the contract for the pipe line. Pringle-Dunn Co.'s figure for the pipe line is \$10,489.

RESIDENCES—4, 2 story and base, frame, \$3,500 each. San Francisco. Architect, H. H. Gutterston, 278 Post St., S. F. Owners, St. Francis Home Building Co. Location, south Terrace Drive east Portola Drive. Each dwelling will contain six rooms and bath. Separate garages. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$30,000. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owner, Frank King. Location, Jackson and Walnut. Will contain 12 rooms and 6 baths. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, A. T. Morris 501 11th avenue, S. F. Location, west 10th avenue south Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

OFFICES—3 story and base, Class A construction. Cost not stated. San Francisco. Architect not selected. Owners, Merchants' Exchange. At Tuesday's meeting of the Directors of the Merchants' Exchange the Board placed themselves on record as favoring the construction of a three-story Class A office building to be erected on the property of the defunct California Safe Deposit at the southeast corner of California and Montgomery streets. While no official action was taken regarding the selection of an architect, it is generally conceded that plans will be prepared by Architect Willis Polk, Hobart Bldg. The building will be designed to carry several additional stories.

STORES—1 story and base, brick, \$12,000. San Francisco. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owners, Robert White Co. Location, west Fillmore east Geary, covering an area of 31 by 135 feet. Plans complete and figures being taken.

STORE AND LOFTS—7 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Langley & Michaels Co. Location, west First street between Market and Mission, covering an area of 40 by 162½ by 8½ feet. Plans complete and figures being taken.

Contracts Awarded.

APARTMENT HOUSE—4 story and base, Class C construction, \$15,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, O'Brien Bros. Contractors, R. De Luca, concrete work, \$2,700; J. Gibbs, plumbing, \$3,534; Brandon & Lawson, brick work, \$9,750; American Electric Co., electric work, \$1,270; Pa-

cific Structural Steel Co., steel work \$1,650.

STORES—1 story and base, frame. \$1,000. San Francisco. Architect, none. Owner, C. H. Westphal. Contractor Gustave Anderson, 2330 24th street, S. F. Contract price, \$4,000.

LAUNDRY—2 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, R. C. Smith, 334 Mason street, S. F. Location, west Baker south Sutter, covering an area of 25 by 68 feet. Plans complete and work to be done by Day Labor.

City Bids Opened.

The San Francisco Board of Public Works has awarded the contract for furnishing electric switchboards for the Hetch-Hetchy project to the General Electric Co. and has requested the Board of Supervisors to appropriate \$2,849.50 to cover the cost of the contract.

The Board has authorized the receipt of bids for the construction of the High Pressure System in the Telegraph Hill District. Bids will close on this work October 4th.

The following bids were received for furnishing cedar poles for the Hetch-Hetchy project:

35' long 40' long 45' long	
Western Elec. Co.	\$8.15 8.25 \$10.95
A. F. Enstahbrook Co.	7.25 8.25 10.25
Baker & Joslyn & Co.	6.35 7.50 9.80
R. B. Swayne, Inc.	5.50 9.20 11.10

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2731	Belluomini	Ardito	700
2735	Jorgenson	Jorgenson	1200
2736	Martin	Petersen	1800
2737	Guntz	Britt	5000
2738	Mordus	Murphy	1855
2739	Remedial	Hogburg	1020
2740	Same	Boech	2540
2741	Same	Meek	1285
2742	Keane	Hurley	100
2743	Hillers	Reedy	3000
2744	Bothin	Boech	3000
2745	Tyuan	Pasqualetti	6250
2746	Allee	Greenback	3125
2747	Buster	Carlson	8375
2748	Lee	Hannah	4241
2749	Shields	Johnson	500
2750	Welch	Elliot	1000
2751	Skinkle	Skinkle	900
2752	Scala	Scala	800
2753	Pontana	Gristi	500
2754	Humphrey	Owner	1000
2755	Seright	Seright	3000
2756	Tiscornia	Tiscornia	1900
2757	Wagner	Wagner	2000
2758	Wagner	Wagner	2000
2759	Wagner	Wagner	2000
2760	Wagner	Wagner	2000
2761	Wagner	Wagner	2000
2762	Silverman	Sokolow	16000
2763	Heyman	Heyman	1650
2764	Heyman	Heyman	1650
2765	Gleeson	Gleeson	2000
2766	Barrett	Barrett	6500
2767	Straub	Siebert	700
2768	Plagemann	Lacey	500
2769	Guth	Guth	500
2770	City Elec. Co.	Owner	100
2771	Garlside	Garlside	2000
2772	Reilly	Carlson	6680
2773	Celio	Amoroso	9200
2774	Cavagnaro	Ferroni	2300
2775	Shields	Larsen	550
2776	Same	Petersen	750
2777	Same	Coburn	5170
2778	Lane	Knight	5660
2779	Fischer	Moneriff	10415
2780	Same	Folsom	2675
2781	Same	Fuller	1356
2782	Same	City Pro Elec	1412
2783	Same	Turner	2360
2784	Same	Lettich	2852
2785	Builders Ritz	Petersen	1115
2786	Shields	Coburn	1690
2787	Rhyckicki	Liebert	2100
2788	Shumate	Meek	1629
2789	Bewhacqua	Montani	2675
2790	O'Brien	Turner	1115

2791 SoraccoCavaglia 4685

2792 LloydPetterson 13100

FRAME COTTAGE

(2734) S AUGUSTA 75 W Waterville.

One-story frame cottage.

Owner.....Luigi Belluomini, 200

Charter Oak, San Francisco

Architect.....None.

Contractor.....A. Ardito, 1931 Donner

Ave., San Francisco.

COST, \$700

(2735) NO. 1620 TENTH AVE. One

story and basement frame dwlg.

Owner.....Julius Jorgenson, 1610 10th

Ave., San Francisco.

Architect.....None.

Day's work. COST, \$1200

(2736) E GUERRERO 36 S 15th. Re-

pair fire damage.

Owner.....E. Martin, 15 Porter, S. F.

Architect.....None.

Contractor.....Einar Petersen, 3530 23rd,

San Francisco.

COST, \$1500

(2737) E DOLORES 140 N 10th. One-

story brick repair shop.

Owner.....F. H. Guntz, 126 Oak, S. F.

Architect.....None.

Contractor.....O. W. Britt, 330 Ivy Ave.,

San Francisco.

COST, \$5000

(2738) E CAROLINA 300 S 20th. One

story and basement frame dwelling.

Owner.....John and Mary Mordus, 882

Carolina, San Francisco.

Architect.....None.

Contractor.....E. W. Murphy, 179 Lower

Terrace, San Francisco.

COST, \$1685

(2739) NW MISSION AND MINT. All

work for terra cotta setting for two-

story and basement reinforced con-

crete office building.

Owner.....Remedial Loan Association

43 5th, San Francisco.

Constr. Manager.....Frederick Whitton

251 Kearny, San Francisco.

Contractor.....Hogburg & Ludwig, 180

Jessie, San Francisco.

Filed Sept. 16, '16. Dated Aug. 25, '16.

Monthly payments of.....7%

Usual 35 days.....Final

TOTAL COST, \$1070

Bond, \$510. Surety, The Aetna Ac-

cident & Liability Co. Limit, 20 days

after Sept. 15, 1916. Forfeit, \$10. Plans

and specifications filed.

(2740) LATHING AND PLASTERING

on above.

Contractor.....Herman Boech, 191 10th,

San Francisco.

Filed Sept. 16, '16. Dated Sept. 12, '16.

Payments same as above.....

TOTAL COST, \$2540

Bond, \$1270. Surety, Guardian Casu-

ality Co. Limit, 35 days from Sept. 20,

1916. Forfeit, \$15. Plans and speci-

fications filed.

(2741) CARPENTRY, CABINET WORK

and painters' finish on above.

Contractor.....T. H. Meek, 1132 Mission

San Francisco.

Filed Sept. 16, '16. Dated Aug. 25, '16.

Payments same as above.....

TOTAL COST, \$4285

Bond, \$2142. Sureties, Margaret M.

Meek and Harrison Barto. Limit, 21

days from October 1, 1916. Forfeit, \$20

Plans and specifications filed.

ALTERATIONS

(2742) NO. 740 DU'ROCE AVE. Con-

crete floor, etc., for private garage.

Owner.....Miss K. E. Keane, 1750

O'Farrell, San Francisco.

Architect.....None.

Contractor.....J. J. Hurley, 124 Henry,

San Francisco.

COST, \$400

ALTERATIONS

(2743) NO. 231 CORTLAND. Alter for

store.

Owner.....Mrs. H. Hillers, 233 Cort-

land, San Francisco.

Architect.....None.

Contractor.....Wm. M. Reedy, 157 Bronte,

San Francisco.

COST, \$500

ALTERATIONS

(2744) NOS. 518-51 POLK. Alter for

market.

Owner.....Bothin Real Estate Co., 601

Mission, San Francisco.

Architect.....J. A. Butler, 601 Mission

San Francisco.

Day's work. COST, \$2000

RESIDENCE

(2745) SE LYON AND VALLEJO W

50-00 S 137-6 W 55-00 N 137-7 1/2.

Rough concrete walls, footings, re-

taining walls, columns, beams, ex-

travating, cement floors, waterproo-

ing, plastering, etc., for concrete

foundation and walls for residence.

Owner.....J. J. Tyuan, 260 California,

San Francisco.

Architect.....Louis M. Upton, 111 Ellis,

San Francisco.

Contractor.....J. Pasqualetti, Humboldt

Bank Bldg., S. F.

Filed Sept. 18, '16. Dated Sept. 16, '16.

As work progresses.....75%

Usual 35 days.....TOTAL COST, \$6250

Bond, \$3125. Surety, Massachusetts

Fidelity & Insurance Co. Limit, 35

days after Sept. 18. Forfeit, \$10. Bonus,

\$10. Plans and specifications filed.

METAL PARTITIONS, ETC.

(2746) W FOLSOM 138 S 15th W 122-6

S 150 E 122-6 N to beg M B 59. Metal

partitions, wire lathing and furring

and interior and exterior plaster for

two-story reinforced concrete dyeing

and cleaning works.

Owner.....Jean Allee, 2148 Folsom,

San Francisco.

Architect.....August G. Headman, Call

Bldg., San Francisco.

Contractor.....Greenback Plastering Co.,

110 Jessie, San Francisco.

Filed Sept. 18, '16. Dated Sept. 11 '16.

Brown coated.....\$1171

Completed and accepted.....1172

Usual 35 days.....782

TOTAL COST, \$3125

Bond, \$1563. Surety, Massachusetts

Fidelity & Insurance Co. Limit, as soon

possible. Forfeit, \$20. Plans and

specifications filed.

FRAME RESIDENCE

(2747) NW TWELFTH AVE & ANZA

X 75XW 45. All work except paint-

ing, heating, plumbing, and gas fit-

ting for two-story and basement

frame residence.

Owner.....W. H. Buster, 46 Kearny,

San Francisco.

Architect.....John J. Foley, 36 Kearny,

San Francisco.

Contractor.....A. A. Carlson, 956 Potrero

Ave., San Francisco.

Filed Sept. 18, '16. Dated Sept. 12, '16.

Frame up & building sheathed. \$2243
Brown coated 2243
Completed and accepted. 2243
Usual 35 days. 2246
TOTAL COST, \$2975
Bond, \$4488. Sureties, E. H. Norman
and Jno. E. Upphoff. Limit, 95 days.
Forfeit, none. Plans and specifications
filed.

REPAIRS

(2748) NW McALLISTER & GOUGH
All work except painting and shades
for repairing fire damage to building
Owner.....Mrs. Martha Lee, 2178 High
Oakland.
Architect...None.
Contractor...J. S. Hannah, Williams
Bldg., San Francisco.

Filed Sept. 18, '16. Dated Sept. 18, '16.
On 1st and 15th of each month. 75%
Usual 35 days. 25%
TOTAL COST, \$4941.63
Bond, limit, forfeit, none. Plans and
specifications, none.

ALTERATIONS

(2749) NO. 265 FIFTH AVE. Alter
front and add porch.
Owner.....Jas. Shields, Premises.
Architect...None.
Contractor...E. Johnson, 525 23rd Ave.,
San Francisco.
COST, \$500

ADDITION

(2750) NO. 407 FORTY-THIRD AVE.
Raise and add to dwelling.
Owner.....C. Welch, Premises.
Architect...None.
Contractor...E. W. Elliot, 180 Jessie,
San Francisco.
COST, \$1600

INSTALL BOILER

(2751) SE TURK AND GOUGH. In-
stall boiler for heating system, etc.
Owner.....Skinklee.
Architect...None.
Day's work. COST, \$900

FRAME RESIDENCE

(2752) S QUESADA 200 W Quint. One-
story and basement frame dwelling.
Owner.....Ettore Scala, 1501 Grant
Ave., San Francisco.
Architect...None.
Day's work. COST, \$300

ALTERATIONS

(2753) NO. 252 COLUMBUS. Alter
for store.
Owner.....F. Fontana, Premises.
Architect...None.
Contractor...S. H. Gmstli, 617 Sansome,
San Francisco.
COST, \$500

ADDITION

(2754) NO. 3569 WASHINGTON. Add
bath and one room.
Owner.....Mrs. C. F. Humphry, Los
Gatos, Cal.
Architect...None.
Contractor...Mr. Skee, Berkeley.
COST, \$1000

FRAME DWELLING

(2755) E THIRTY-FOURTH AVE 250
S Lincoln Way. Two-story and base-
ment frame dwelling.
Owner.....L. A. Seright, 680 9th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$3000

FRAME DWELLING

(2756) W TWENTY-FIFTH AVE 225 S
Judah. One and one-half-story and
basement frame dwelling.
Owner.....Domonic Tiscornia, 548
Paris, San Francisco.
Architect...None.
Day's work. COST, \$1900

FRAME RESIDENCE

(2757) S SUNNYSIDE 200 W Baden.
Two-story and basement frame resi-
dence.
Owner.....George Wagner, 381 Bush,
San Francisco.
Architect...J. C. Hladik, 825 Monad-
nock Bldg., S. F.
Day's work. COST, \$2000

FRAME RESIDENCE

(2758) S SUNNYSIDE 225 W Baden.
Two-story and basement frame resi-
dence.
Owner.....George Wagner, 381 Bush,
San Francisco.
Architect...J. C. Hladik, 825 Monad-
nock Bldg., S. F.
Day's work. COST, \$2000

FRAME RESIDENCE

(2759) S SUNNYSIDE 125 W Baden
Two-story and basement frame resi-
dence.
Owner.....George Wagner, 381 Bush,
San Francisco.
Architect...J. C. Hladik, 825 Monad-
nock Bldg., S. F.
Day's work. COST, \$2000

FRAME RESIDENCE

(2760) S SUNNYSIDE 150 W Baden.
Two-story and basement frame resi-
dence.
Owner.....George Wagner, 381 Bush,
San Francisco.
Architect...J. C. Hladik, 825 Monad-
nock Bldg., S. F.
Day's work. COST, \$2000

FRAME RESIDENCE

(2761) S SUNNYSIDE 175 W Baden.
Two-story and basement frame resi-
dence.
Owner.....George Wagner, 381 Bush,
San Francisco.
Architect...J. C. Hladik, 825 Monad-
nock Bldg., S. F.
Day's work. COST, \$2000

FRAME APARTMENTS

(2762) N PACIFIC 45-10 W Powell.
Three-story and basement frame
apartments.
Owner.....M. Silverman, 1062 or 1042
Van Ness Ave., S. F.
Superintendent...J. Sockolov, 2558
Clay, San Francisco.
Contractor...J. Sockolov.
COST, \$16,000

FRAME DWELLING

(2763) SE SEARS 125 SW Sickles. One
and one-half-story and basement
frame dwelling.
Owner.....Oscar Heyman & Bro., 752
Market, San Francisco.
Architect...None.
Day's work. COST, \$1650

FRAME DWELLING

(2764) NW TEXAS 235 SW Sickles. One
and one-half-story and basement
frame dwelling.
Owner.....Oscar Heyman & Bro., 752
Market, San Francisco.
Architect...None.
Day's work. COST, \$1650

FRAME RESIDENCE

(2765) W HOLYOKE 100 E Bacon.
Two-story and basement frame resi-
dence.
Owner.....Mary Gleeson, 354 Holyoke,
San Francisco.
Architect...None.
Contractor...W. F. Gleeson, 354 Holy-
oke, San Francisco.
COST, \$2000

FOUNDATION

(2766) NO. 467 ELEVENTH. Founda-
tion for stable.
Owner.....F. M. Barrett, Foot of 3rd,
San Francisco.
Architect...J. Chas. Flügger, 766 2nd
Ave., San Francisco.
Day's work. COST, \$600

REPAIRS

(2767) NO. 676 CHENERY. Repair
fire damage.
Owner.....A. Straub, Premises.
Architect...None.
Contractor...John Sierbert, 2351 21st
Ave., San Francisco.
COST, \$750

ALTERATIONS

(2768) SE POWELL & ELLIS. Minor
alterations for hotel and grill.
Owner.....F. P. Plagemann and L.
Lacey, 78 Ellis, S. F.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(2769) NO. 1417 FORTY-EIGHTH AVE
Alter dwelling.
Owner.....August Guth, Premises.
Architect...None.
Day's work. COST, \$500

SUB-STATION

(2770) N BRANNAN 227 W Second.
One-story and basement sub-station.
Owner.....City Electric Co, 14 San-
some, San Francisco.
Architect...None.
Day's work. COST, \$400

FRAME RESIDENCE

(2771) W TWENTY-FIFTH AVE 250
S Taraval. Two-story and basement
frame residence.
Owner.....C. F. Gartside, 2520 19th
Ave., San Francisco.
Designer...A. A. Arenson.
Day's work. COST, \$2000

FRAME FLATS

(2772) W DOLORES 28 S 21st W 95xS
25. Grading, concrete, carpenter, mill
lath and plaster, glass, glazing, tile
work, roofing, tinning and galvanized
iron, etc., for two-story and base-
ment frame flats.
Owner.....Hugh and Catherine Reilly
Architect...Jno. J. Foley, 46 Kearny,
San Francisco.
Contractor...N. A. Carlson, 936 Potrero
Ave., San Francisco.

Filed Sept. 20, '16. Dated Sept. 12, '16.
Frame up \$1670
Brown coated 1670
Completed and accepted. 1670
Usual 35 days. 1670
TOTAL COST, \$6680

Bond, \$2340. Sureties, F. A. Eshilson
and Jno. Izzard. Limit, 90 days. For-
feit, none. Plans and specifications
filed.

FRAME BUILDINGS

(2773) E KEARNY 91-8 S Union 25x
103-1½. All work except gas and
electric fixtures, window shades,

deafening, gas pipes and finish hardware for three-story and basement frame building and one in rear (two three-story buildings.)

Owner.....Giuseppe Celio, 2 Genoa Place, San Francisco.

Architect...None.

Contractor...P. C. Amoroso, 1216 Kearny, San Francisco.

Filed Sept. 20, '16. Dated Sept. 5, '16.

Frames up\$2300
Brown coated 2300
Completed and accepted..... 2300
Usual 35 days..... 2300

TOTAL COST, \$9200

Bond, \$4600. Sureties, G. Cataro and A. Rinaldi. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME STORE

(2774) E DIVISADERO 25 S Oak S 25 x E 106-3. All work for one-story frame building (store).

Owner.....Mrs. Carmelina Cavagnaro
Architect...Louis Mastropasqua, 530 Washington, San Francisco

Contractor...G. Ferroni & Sons.

Filed Sept. 20, '16. Dated Sept. 19, '16.

Frame up\$575
Exterior walls & ceiling in place 575
Completed and accepted..... 575
Usual 35 days..... 575

TOTAL COST, \$2300

Bond, \$1150. Sureties, Filade Carmignani and Angelo Benedetti. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BRICK BUILDING

(2775) N BUSI 137-6 W Montgomery W 68-9XN 137-6. Brick masonry work for one-story brick building.

Owner.....Shiels Estate Co., 68 Post, San Francisco.

Architect...T. Paterson Ross, 310 California, San Francisco.

Contractor...H. H. Larsen & Bros, 62 Post, San Francisco.

Filed Sept. 20, '16. Dated Sept. 19, '16.

Walls and piers ready for 1st story joists\$2000
Completed and accepted..... 910
Usual 35 days..... 1000

TOTAL COST, \$3910

Bond, \$2000. Sureties, N. I. Petersen and S. D. Le Clair. Limit, 60 days from filing. Forfeit, \$10. Plans and specifications filed.

(2776) PLUMBING ON ABOVE.

Contractor...S. Petersen & Son, 2337 Fillmore, San Francisco.

Filed Sept. 20, '16. Dated Sept. 19, '16.

Roughed in\$210
Completed and accepted..... 200
Usual 35 days..... 140

TOTAL COST, \$350

Bond, none. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(2777) LUMBER LABOR, CARPENTRY, mill, glass, roofing, galvanized iron, tin and plaster work, painting and electric work and iron work on above.

Contractor...Ira W. Coburn, 452 Du-boce Ave., San Francisco.

Filed Sept. 20, '16. Dated Sept. 19, '16.

Roof boards on\$1290
Brown coated 1290
Completed and accepted..... 1290
Usual 35 days..... 1300

TOTAL COST, \$5170

Bond, \$2600. Sureties, Walter S. Jamieson and Fred Knott. Limit, 90 days from filing. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(2778) N NINETEENTH 145-6 E Dolores E 21-10 1/2 x N 100. All work except plumbing, electric fixtures, finish hardware and shades for three-story and garage frame flats.

Owner.....K. M. Lane, 19 Dorlad, S. F.

Architect...None.

Contractor...C. L. Knight, 467 Rolph, San Francisco.

Filed Sept. 20, '16. Dated Aug. 31, '16.

Rough frame up.....\$1415
Brown coated 1415
Completed and accepted..... 1415
Usual 35 days..... 1415

TOTAL COST, \$5660

Bond, \$2830. Sureties, Joseph B. Barceilles and Emily G. Knight. Limit, 100 days after 1st delivery of lumber. Forfeit, none. Plans and specifications filed.

APARTMENTS

(2779) NW ASHBURY AND FELL N 100xW 56-3. Sheet metal and flues for four-story apartments.

Owner.....E. G. Fischer, 623 Clayton, San Francisco.

Architect...Edward T. Foulkes, Crocker Bldg., S. F.

Contractor...Chas. Moncrieff, 562 37th Ave., San Francisco.

Filed Sept. 20, '16. Dated —.

On 10th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$1045

Bond, none. Limit, with due diligence. Forfeit, none. Plans and specifications filed.

(2780) IRON WORK ON ABOVE.

Contractor...Folsom Street Iron Works, 18th and Treat Ave., S. F.

Filed Sept. 20, '16. Dated Sept. 14, '16.

Payments same as above.....

TOTAL COST, \$697

Bond, none. Limit, with due diligence. Forfeit, none. Plans and specifications filed.

(2781) GLAZING ON ABOVE.

Contractor...W. P. Fuller & Co., Beale and Mission, S. F.

Filed Sept. 20, '16. Dated Sept. 14, '16.

Payments same as above.....

TOTAL COST, \$1336

Bond, none. Limit, with due diligence. Forfeit, none. Plans and specifications filed.

(2782) ELECTRICAL AND TELEPHONE WORK ON ABOVE.

Contractor...City Protective Elec. Co., 1083 Valencia, S. F.

Filed Sept. 20, '16. Dated Sept. 18, '16.

Payments same as above.....

TOTAL COST, \$1942

Bond, \$975. Surety, U. S. Fidelity Co. Limit, with due diligence. Forfeit, none. Plans and specifications filed.

(2783) STEAM HEATING ON ABOVE.

Contractor...The Turner Co., 278 Natoma, San Francisco.

Filed Sept. 20, '16. Dated Sept. 14, '16.

Payments same as above.....

TOTAL COST, \$2360

Bond, \$1150. Surety, Massachusetts Bonding & Insurance Co. Limit, with due diligence. Forfeit, none. Plans and specifications filed.

(2784) PLUMBING AND GAS, ETC., ON ABOVE.

Contractor...A. Lettich, 365 Fell, S. F.

Filed Sept. 20, '16. Dated Sept. 18, '16.

Payments same as above.....

TOTAL COST, \$3852

Bond, \$1926. Sureties, Oscar H. Ostland

and A. P. Holmberg. Limit, with due diligence. Forfeit, none. Plans and specifications filed.

STEAM BOILER, ETC.

(2785) NOS. 340 TO 364 EDDY. Piping, valves, new low water line steam boiler, covering, etc., oil burner, etc., and repairing present system for Eldystone Apartments.

Owner.....Builders' Realty Co.

Architect...Lewis M. Gardner, Phelan Bldg., San Francisco.

Contractor...Petersen-James Co., 710 Larkin St., San Francisco.

Filed Sept. 20, '16. Dated Sept. 19, '16.

Completed and accepted.....\$835
Usual 35 days..... 2115

TOTAL COST, \$1020

Bond, \$560. Surety, New Amsterdam Casualty Co. Limit, 9 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2786) NOS. 735 TO 745 MISSION. All work for alterations to building.

Owner.....Shiels Estate Co., 68 Post, San Francisco.

Architect...T. Paterson Ross, 310 California, San Francisco.

Contractor...Ira W. Coburn, 180 Jessie, San Francisco.

Filed Sept. 20, '16. Dated Sept. 19, '16.

Elevator shaft plastered.....\$630
Completed and accepted..... 630

Usual 35 days..... 430

TOTAL COST, \$1690

Bond, \$850. Sureties, Jno. W. Hatch and Walter S. Jamieson. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2787) NO. 160 JULIAN AVE near 16th. Alterations and additions of frame dwelling into 2 apartments.

Owner.....Bruno & Mary Rybicki, 160 Julian Ave., San Francisco.

Architect...Foulkes & Hildebrandt, 1106 Crocker Bldg., S. F.

Contractor...Liebert & Martinelli, 195 Lexington Ave., S. F.

Filed Sept. 20, '16. Dated Sept. 12, '16.

Apartments roughed in.....\$600
Brown coated 600

Completed and accepted..... 600
Usual 35 days..... 600

TOTAL COST, \$2400

Bond, \$1200. Sureties, John Hanna-Kough and Filada Carmignani. Limit, 90 days. Forfeit none. Plans and specifications filed.

MILL WORK, ETC.

(2788) SE TWENTY-THIRD AVE & California. Carpenter, cabinet, mill glass and glazing marble, painting, etc., for store.

Owner.....Shumate's Pharmacy, Inc., 86 Post, San Francisco.

Architect...W. H. Crim Jr., 425 Kearny, San Francisco.

Contractor...T. H. Meek Co., 1132 Mission, San Francisco.

Filed Sept. 21, '16. Dated Sept. 20, '16.

Mill and cabinet work delivered.....\$597
Completed and accepted..... 597

Usual 35 days..... 465

TOTAL COST, \$1615

Bond, \$830. Sureties, Margaret M. Meek and Harrison Barto. Limit, 27 days from recording. Forfeit, \$10. Plans and specifications filed.

FRAME FLATS

(2789) S GLOVER 137-6 W Jones W 23 x S 60. All work for two-story and

basement frame flats.
Owner.....Raffaele Bevilacqua, 120
Jasper Place, S. F.
Architect...L. Traverso, 534 Union,
San Francisco.
Contractor...Serafino Montani and G.
Stefanini, 1753 Greenwich,
San Francisco.
Filed Sept. 22, '16. Dated Sept. 19, '16.
Enclosed and roof on.....\$918.75
Brown coated.....918.75
Completed and accepted.....918.75
Usual 35 days.....918.75
TOTAL COST, \$3675.00
Bond, \$1837.50. Sureties, Jos. A. Florio
and F. Boicelli. Limit, 75 days after
Sept. 23, Forfeit, none. Plans and
specifications filed.

HEATING SYSTEM

(2790) N McALLISTER, bet. Scott and
Divisadero; No. 1539 McAllister. All
work for oil burning steam heating
system for building.
Owner.....T. I. O'Brien.
Architect.....Leo J. Devlin, Pacific Bldg
San Francisco.
Contractor...The Turner Co., 275 Na-
toma, San Francisco.
Filed Sept. 22, '16. Dated Sept. 22, '16.
Completed and accepted.....\$836
Usual 35 days.....279
TOTAL COST, \$1115
Bond, none. Limit, 21 days. Forfeit,
\$.5. Plans and specifications, none.

FRAME FLATS

(2791) NE MEDAU PLACE & FILBERT
286-x46. All work except shades and
electric fixtures for two-story and
basement frame flats.
Owner.....Gio Batta and Elizabeth
Soracco, 20 Edith Place,
San Francisco.
Architect.....None.
Contractor...Norio Cavaglia, 946 Green-
wich, San Francisco.
Filed Sept. 22, '16. Dated Sept. 5, '16.
Frame up.....\$1170
Brown coated.....1170
Completed and accepted.....1170
Usual 35 days.....1175
TOTAL COST, \$4685
Bond, none. Limit, 90 days. Forfeit
none. Plans and specifications filed.

BRICK BUILDING

(2792) N SUTTER 37-6 E Mason E
50-3 1/4 xN 87-6. All work for one-
story and basement brick building,
store and apartment.
Owner.....John Galloway and Charles
W. Slack, Executors, Estate
Reuben H. Lloyd, dec'd., 312
New Call Bldg., S. F.
Architect...Frank S. Holland, 312 New
Call Bldg., San Francisco.
Contractor...S. Persson & G. Peterson,
62 Post, San Francisco.
Filed Sept. 22, '16. Dated Sept. 22, '16.
Brick work completed and roof
boards on.....\$3275
White coat on.....3275
Completed and accepted.....3275
Usual 35 days.....3275
TOTAL COST, \$13,340
Bond, \$6550. Sureties, H. C. Bennett
and Chas. Laufer. Limit, 55 days from
dilig. Forfeit, none. Plans and specifi-
cations filed.

LEASES.

SAN FRANCISCO COUNTY.

Sept. 18, 1916—NW HOWARD 200 NE
Third NE 57 NW 55 NE 18 NW 55

SW 54 SE 55 NW 21 SE 55; No. 672
Howard. Jno Hemphill to Henry
Mottet. 10 years. \$15,000.
Sept. 18, 1916—NE SACRAMENTO AND
Fillmore. Walter and Irvine Faubel
to William Eltringham. 3 years. \$15
per month.
Sept. 18, 1916—NO. 359 PIERCE and Ptn
Nos. 249-53 Pierce. Madeline M
O'Brien and Chas A O'Brien to Mings-
t Bros. 8 years. \$100 per month.
Sept. 19, 1916—NO. 1151 CHURCH E
line 227 N 24th N 33x E 125. Mrs V
Sturiza to Chas and Marion Paff. 1
year. \$12.50 per month with option
to renew.
Sept. 19, 1916—NOS. 466 & 468 BRAN-
nan. Mrs Christiana A Attinger to
John Ulrich Baerlicher. 12 months.
\$960.
Sept. 20, 1916—E GRANT AVE 20 S
Vallejo S 20x E 59-6. Elizabeth Cas-
tagnetto to Enrico Venaglia and
Rinaldo Gerolami (as E Venaglia &
Company). 5 years. \$840.
Sept. 21, 1916—NO. 1141 STOCKTON W
Sept. 21, 1916—S HOWARD 325 E 6th
E 25 S 80 E 25 S 75 W 50 N 155.
Julia C Doherty, Rose C Patterson and
Joseph H A Doherty to T H Meek Co
5 years. \$5640.
Sept. 22, 1916—NO. 2300 MISSION SW
Cor. 19th. J A Mize to Christian and
Arnt Andersen. 80 months. \$100 per
month.

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Sept. 21, 1916—W COMMONWEALTH
Ave 500 N Euclid Ave N 33-1xW
120. Julia L Brownstone as to im-
provements on leased property....
Sept. 19, 1916—E TWENTY-SEVENTH
Ave 275 S Irving S 25x E 120. Sol
Getz & Sons, Inc., as to improve-
ments on leased property.....

CONTRACTOR'S BOND.

Sept. 19, 1916—E TWENTY-FIRST AVE
200 N Balboa. Sarah McMenamin
owner. G E Ahl, contractor. Chas H
Moore and Jere Casey, sureties; bond
\$2500.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED
Sept. 1, 1916—W GILBERT 230 N
Brannan 22.06x80. J. Hannan to
Geo. D. Gilmore.....Sept. 1, 1916
Sept. 1, 1916—NW HAIGHT AND
Cole. S. H. Levin to Golden Gate
Iron Works, Aug. 28; Trevia & Pas-
qualetti.....Aug. 23, 1916
Sept. 1, 1916—NE LAKE and 22nd
avenue E 57-6xN 100. John H.
Sherry to Scott Co.....Aug. 31, 1916
Sept. 2, 1916—SW FRONT AND PA-
Sept. 2, 1916—S MARKET and 3rd
SW 75x E 70. City Investment Co.
to H. Maundrell.....Aug. 25, 1916
Sept. 2, 1916—SE MARKET 75 SW 3rd
SW 50x SE 100. City Investment Co.
to McLeran & Peterson.....Aug. 28, 1916
Sept. 2, 1916—NW HARRISON 300
SW 5th SW 200xNW 80. Fifth
Street Co. to A. Paulsen, Aug. 24, 1916
Sept. 2, 1916—W VAN NESS AVE
90-6 N Broadway N 47xW 135-3.
Louis Metzger to George W. Box-
ton & Son.....Sept. 1, 1916
Sept. 5, 1916—MARKET 45 SW Sec-

and SW 30 SE 91-6 SW 20 SE 43-6
NE 95 NW 43-6 SW 45 NW 31-6.
Sophonia T Hooper to Jos S Fennell
.....Sept. 1, 1916
Sept. 5, 1916—NW GILLMAN AND
Inglass 25x100. C Z SUTTON to whom
it may concern.....Sept. 5, 1916
Sept. 5, 1916—S GEARY 132-6 E 19th
Ave S 100x E 25. E Coleman to whom
it may concern.....Completed—
Sept. 5, 1916—NW FILBERT AND
Leavenworth W 87-6xN 37-6. Geo
E Townsend and Ernest S Living-
ston to Maffei Bros.....Sept. 5, 1916
Sept. 5, 1916—E NINETEENTH AVE
125 N Balboa N 25x E 120. Martin
and Hans Nelson to whom it may
concern.....Sept. 5, 1916
Sept. 5, 1916—SW FOURTEENTH AV
and California W 90xS 100. Louis
Friedman and Samuel Gerson to W
L Hemminga.....Sept. 1, 1916
Sept. 6, 1916—E PLUTO 100 S from N
line Lot 3, Lyon & Hoag's Sub No.
2, Ashbury Terrace S 74 deg 09 min
E 122.38 S 24 deg 53 min E 32.99 to
a pt 125 S from N line Lot 3, ex-
tended, W 116.69 N 36.96 Ptn Lots
6 and 7 Lyon & Hoag's Sub No. 2,
Ashbury Terrace. Paramount Bldg
Co to whom it may concern.....
.....Sept. 6, 1916
Sept. 6, 1916—E PLUTO 75 S from N
line Lot 3, Lyon & Hoag's Sub No.
2, Ashbury Terrace S 74 deg 09
min E 126.6 S 24 deg 53 min E 32.99
to a pt 160 S from N line Lot 3,
extended, W 122.38 NW 35.89 being
Ptn Lots 5 and 6 Lyon & Hoag's
Sub No. 2, Ashbury Terrace. Para-
mount Bldg Co to whom it may
concern.....Sept. 6, 1916
Sept. 6, 1916—S JERSEY 240 W
Castro W 80xS 114. City & County
of San Francisco by Board of Trus-
tees of the Public Library and
Reading Rooms to P A Palmer.....
.....Aug. 30, 1916
Sept. 7, 1916—N TWENTY-FIFTH 395 W
Church W 25xN 114. Louis J
Roberts, Agent to Louis J Roberts
.....Sept. 7, 1916
Sept. 7, 1916—E NINETEENTH AVE
150 S Balboa 25x120. D J Clancy to
whom it may concern.....Sept. 7, 1916
Sept. 7, 1916—W NINETEENTH AVE
bet "T" and "U". Amalia C Deck-
elman to J Koschnitzki, Aug. 31, 1916
Sept. 8, 1916—E TWENTY-SIXTH
Ave 175 S Clement 125x120. H C
Keenan to whom it may concern.....
.....Completed—
Sept. 8, 1916—N FULTON 36-6 W
19th Ave W 25xN 100. Mary Damon
to Merriman & Capell.....Sept. 8, 1916
Sept. 8, 1916—E TWENTY-FOURTH
Ave 50 N Balboa N 25x E 104-1.
Jacob H Thorup to whom it may
concern.....Sept. 7, 1916
Sept. 8, 1916—E TWENTY-FOURTH
Ave 100 N Balboa N 25x E 104-1.
Alice E Kentzel to Jacob H Thorup
.....Sept. 7, 1916
Sept. 8, 1916—N SEVENTEENTH 542-
S E Douglass. Otto Will to whom
it may concern.....Completed—
Sept. 8, 1916—SE CUMBERLAND &
Dolores S 89 E 105 S 25 N 114 W
130. Second Church of Christ,
Scientist to E S Rainey.....Sept. 2, 1916
Sept. 11, 1916—N BRIGHTON AVE
335 S Ocean Ave; Lot 43 Blk 4,
Lakeview. Jno and Grace Moriarty
to Jno G Chase Jr.....Sept. 8, 1916
Sept. 11, 1916—LOT 25 BLK 7, Crocker
Amazon Tract. Victor Baloun
to whom it may concern.....Sept. 5, 1916
Sept. 12, 1916—W POLK 112-6 N Cal-

ifornia N 25 W 168-S S 137-6 E 75 N 87-6 E 12-6 N 25 E 81-3. Abraham C Karski, Isaac Oppenheimer and Frank Levy to R W Moller.....Sept. 6, 1916

Sept. 12, 1916—W HYDE 107-6 S Filbert S 30xW 100. Salvatore Tartaul to G Chlappe.....Sept. 11, 1916

Sept. 13, 1916—LOT 46, Lincoln Manor J O Darius to George P Schaefer.....Sept. 13, 1916

Sept. 13, 1916—E SIXTEENTH AVE 71 S Quintara (Q). Joseph Dubean to whom it may concern.....Sept. 13, 1916

Sept. 13, 1916—W TWENTY-FIRST AVE 25 S Irvine. H E and T W MacArthur to whom it may concern.....Sept. 10, 1916

Sept. 13, 1916—SW ELLIS and HYDE W 57-6xS 32-6. D & S Investment Co to J Pasqualetti.....Sept. 6, 1916

Sept. 13, 1916—LOT 12 BLK 29 Forest Hill Extension. Otto A Brown to William McIntosh.....Sept. 13, 1916

Sept. 14, 1916—E TWENTIETH AVE 175 N Anza N—xE 120. Guy Edwards to whom it may concern.....Sept. 14, 1916

Sept. 14, 1916—E DIVISADERO 27-84 S Washington S 25xE 110. May Palmer Tomlinson to L A Hinson.....Sept. 12, 1916

Sept. 14, 1916—E SECOND bet Brannan and Townsend. Henry C and Mary E Callahan to Clinton Construction Co.....Aug. 29, 1916

Sept. 14, 1916—N CLAY 137-6 W Hyde W 30xN 100. Laura M Jordan to whom it may concern.....Sept. 11, 1916

Sept. 15, 1916—E BRANNAN AND Fourth NE 137-6xSE 275. Leggett & Myers Tobacco Co to Lange & Bergstrom.....Aug. 1, 1916

Sept. 15, 1916—E SIXTH AVE 25 N Kirkham N 25xE 95. John N Christiansen to whom it may concern.....Sept. 15, 1916

Sept. 15, 1916—NW GLOVER & JONES N 20xW 68-6. C M Harnett to whom it may concern.....Aug. 1, 1916

Sept. 16, 1916—N POST 176-3 E Jones E 40xN 60. Thomas Smith and J L Stewart to J B Reite.....Sept. 16, 1916

Sept. 16, 1916—NW SAN JOSE AVE and 26th 30x90. Gustave Schnee to whom it may concern.....Sept. 15, 1916

Sept. 16, 1916—S JUDAH 95 W Fifth Ave S 100xW 25. John V Stiefel to whom it may concern.....Sept. 15, 1916

Sept. 18, 1916—SW OAK & PIERCE S 50xW 106-2. Chas A O'Brien to Adolph Petry.....Sept. 8, 1916

Sept. 18, 1916—S TWENTY-FOURTH AVE 75 N Anza N 25xE 81-8. Ernest E Dunn to whom it may concern.....Sept. 18, 1916

Sept. 19, 1916—W THIRTY-THIRD AVE 125 N Balboa N 50xW 120. Harry J Dempsey to whom it may concern.....Sept. 18, 1916

Sept. 19, 1916—N ANZA 167-6 W 9th Ave W 25xN 100. Charles A Linebaugh to whom it may concern.....Sept. 18, 1916

Sept. 19, 1916—E TWENTY-FOURTH AVE 150 S Geary. John Bros to whom it may concern.....Sept. 18, 1916

Sept. 19, 1916—S WASHINGTON 245 E Walnut E 30xS 127-84. Lillian E Suydam to Cleeve Carson and Geo B Carson.....Aug. 9, 1916

Sept. 20, 1916—PTY IN BLOCK bounded by Third, Fourth, King and Berry. Southern Pacific Co to G W McGinn & Co.....Sept. 14, 1916

Sept. 20, 1916—ROADWAY within limits of Napoleon, bet Jerrold and

Evans Aves. Southern Pacific Co to Western Motor Draying Co.....Sept. 12, 1916

Sept. 20, 1916—LOTS 12 AND 13 BLK 16, Forest Hill Addition. S Erlanger to Higginson Co, Inc.....Sept. 7, 1916

Sept. 21, 1916—E TWENTY-THIRD AVE 225 S Clement S 25xE 120. Jeremiah Breslin to whom it may concern.....Sept. 1, 1916

Sept. 21, 1916—E MARON 137-6 N Post N 40xE 75. C J Keenan to C J Keenan.....Sept. 21, 1916

Sept. 21, 1916—NW SANSOME AND Bush N 137-6xW 57-6. Standard Oil Co by P J Walker, Agent to W P Fuller & Co.....Sept. 11, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED **AMOUNT**

Sept. 11, 1916—SW ANZA AND Arguello Blvd S 25xW 95. Bass Heuter Paint Co vs J A Eason, W E Grant and Thos Rourke.....\$95.02

Sept. 11, 1916—S BROADWAY 35 E Fillmore E 33-9x100. Henry Kern vs E L Darrimon.....\$273

Sept. 11, 1916—W COLLINS 340 N Geary N 25xW 123-0-1/2. Jas Cantley, \$86.66; Christenson Lumber Co, \$147.73 vs Mrs C Bury and W F Yates.....\$292.20

Sept. 12, 1916—S BROADWAY 35 E Fillmore E 36xS 137-6. Bennett Bros vs L A Hinson and E L Darrimon.....\$292.20

Sept. 12, 1916—W SEVENTEENTH AVE 25 N California N 75xW 75. Neil H Dunn vs F J Rodgers, The Realty Investment Co and Albert A Russell.....\$585

Sept. 12, 1916—W GUERRERO 65 N 17th N 25xW 85. Giuseppe Mariani vs Jos and Lillian Fitzpatrick and J Hofmeister.....\$19

Sept. 13, 1916—N SACRAMENTO 146-8 W Taylor W 25xN 120. Water Works Supply Co vs Henry Conrad, C R Danziger and J J Seibert.....\$62.50

Sept. 13, 1916—E COLLINS 46-8 N Geary N 25xE 120. James Cantley vs W F and Jeanette Yates.....\$86.66

Sept. 13, 1916—E COLLINS 75 N Geary N 25xE 120. James Cantley vs W F and Jeanette Yates.....\$86.66

Sept. 13, 1916—ALL PTY ON MAP of Blks 27 to 34, Forest Hill Extension (Street work). Blanchard Brown Co vs Forest Hill Realty Co.....\$29,010.82

Sept. 13, 1916—S GREEN 105-6 W Montgomery 32x137-6. D Fossati vs D Ferrari.....\$164

Sept. 13, 1916—SW ANZA AND Arguello Blvd S 95xW 25. S Ginsberg & Co vs Thos Rourke and W E Grant.....\$37

Sept. 13, 1916—SW ANZA AND Arguello Blvd S 95xW 25. M Stulsaft Co vs Thos and Julia Rourke, W E Grant and David Gibbs.....\$172

Sept. 13, 1916—N BERNARD 160-6 W Jones W 23xN 60. Pope & Talbot vs F Bellgarde and P H Grell.....\$757.43

Sept. 14, 1916—W SEVENTEENTH AVE 246-1 S California S 25xW 120. Philip Wesendunk vs E F Helms, John T Gallagher and Myrtle M Gallagher.....\$170

Sept. 15, 1916—W GUERRERO 65 N 17th N 25xW 85. Leonard Lumber Co, \$495.81; Western Woodworking Co, \$249 vs Jas and Lillian Fitzpatrick, J S Hofmeister and F E

Berdahl and Hofmeister & Berdahl Sept. 16, 1916—S GEARY 92 W Powell W 45xS 137-6. Capitol Sheet Metal Works vs N L Josey.....\$189

Sept. 15, 1916—W SEVENTEENTH AVE 246 S California S 25xW 120. Empire Planing Mill vs E F Helms, John T and Myrtle M Gallagher.....\$564.90

Sept. 16, 1916—W LEAVENWORTH 32-6 N Vallejo N 25xW 100. Mangrum & Otter vs Michael Dempnick and J Jossa.....\$41.10

Sept. 18, 1916—N EIGHTEENTH 55 E Lexington Ave E 25xN 85. Fred Slepuznikoff vs George A and Mary Miller and Chester L Knight.....\$132.66

Sept. 18, 1916—S GEARY 32-6 W Second Ave W 25xS 100. Edwin D Street vs Margaret S Kain or Margaret Troy.....\$113.15

Sept. 19, 1916—NW VIENNA 200 NE Italy Ave NE 25xNW 100. Chas E Oakley vs John and Camella Russo.....\$154.75

Sept. 19, 1916—W SEVENTEENTH AVE 241-1 S California S 25xW 120. E S Lowry and J J Daly (as Lowry & Daly) vs J J and Jane Doe Gallagher.....\$54

Sept. 20, 1916—W SEVENTEENTH AVE 246-1 S California S 25xW 120. J M Boscus Co vs Jno F and Myrtle Gallagher and E F Helms.....\$49.90

Sept. 20, 1916—W SEVENTEENTH AVE 246 S California S 25xW 100. Mission Lumber Co vs John T and Myrtle M Gallagher and E Helms.....\$427.32

Sept. 20, 1916—W GUERRERO 65 N 17th N 25xW 85. Thos and Jas McKee vs Jas and Lillian Fitzpatrick and J S Hofmeister and S E Berdahl.....\$140

Sept. 20, 1916—E THIRTY-FOURTH AVE 175 N Fulton N 25xE 120. Phil Wesendunk vs David Van Gelder and Vera Van Gelder.....\$89

Sept. 21, 1916—NW VIENNA 200 NE Italy Ave NE 25xNW 100. J G Guerin & Co vs John and Camella Russo and C A Jeffers.....\$54.65

Sept. 21, 1916—W VIENNA 200 NE Italy Ave NE 25x100. C Mancini vs C A Jeffers and Joseph Russo.....\$206.25

Sept. 21, 1916—W GUERRERO 65 N 17th. J F Trenary, \$66.05; J S Guerin, \$186.50 vs J and L Fitzpatrick, Hofmeister & Berdahl and Pacific Concrete & Mosaic Co.....

Sept. 21, 1916—W GUERRERO 65 N 17th. Pacific Concrete & Mosaic Co vs J and L Fitzpatrick and Hofmeister & Berdahl.....\$545

Sept. 21, 1916—N PACIFIC 97-6 W Sansome W 41 N 57-6 E 1 N 11-6 E 40 S 68-9. Joseph Pasqualetti vs Abraham Hilson, Gee Wo Co and Sept. 21, 1916—W GUERRERO 65 N 17th N 25xW 85. City Protective Won Hink.....\$1237.64

Elec Co vs Hofmeister & Berdahl and Jas and Lillian Fitzpatrick.....\$175

Sept. 22, 1916—SW FOURTEENTH AVE and California W 90xS 100. Harry Beach (as Beach Elec Co) vs Louis Friedman, Samuel Gerson and W L Hemminga, Inc.....\$924

Sept. 22, 1916—NW VIENNA 200 NE Italy Ave NE 25xNW 100. Acme Lumber Co vs John and Camella Russo and C A Jeffers.....\$112.25

Sept. 22, 1916—W SEVENTEENTH AVE 246-1 S California S 25xW 120. California Plate & Window Glass Co vs Jno F and Myrtle Gallagher and E F Helms.....\$84.20

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 5th for street improvements authorized under the following resolution: That all of that portion of Oak street that lies north of the north line of 14th street, and all that portion of Lake street that lies east of the east line of Jackson street, each be graded, curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt; a vitrified pipe conduit, having an internal diameter of 16 inches; two brick storm water inlets and two brick manholes be constructed.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 5th at 12 noon for street improvements authorized under the following resolution: That the portion of Foothill Boulevard, beginning at a point on the boundary line of the city of Oakland at San Leandro Creek, etc., be graded and paved with a concrete pavement, having an asphaltic wearing surface.

RESIDENCE—2 story and base, frame. Cost not stated. Oakland, Cal. Architect, C. S. McNally, 46 Kearny street, S. F. Owner's name withheld. Location, 17th avenue and 21st street. Will contain five rooms and bath. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$2,000. Alameda, Alameda Co., Cal. Architect, none. Owner, R. C. Hillen, 420 Haight street, Alameda. Location, 3277 Liberty avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,200. Berkeley, Alameda Co., Cal. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owner, F. Holberg Reimers. Location, south Grayson west 7th. Will contain four rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Albany, Alameda Co., Cal. Architect, none. Owner, Oscar Swanson, 572 Clipper street, S. F. Location west Curtis north Marin. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,200. Alameda, Alameda Co., Cal. Architect, none. Owner, Joseph E. Reite, 1561 5th street, Alameda. Location, 749 Taylor street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE ALTERATIONS—2 story and base, frame, \$4,000. Alameda, Alameda Co., Cal. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owner, J. R. Christy. Location, San Antonio avenue near Oak. Work will consist of interior and exterior alterations, plumbing, etc. Plans are being prepared.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, J. F. Whalen, 1748 Broadway, Oakland. Location, east Everett south Hampel. Will contain seven rooms, bath and sleeping porch. Plans

complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect, none. Owner, S. A. Isakson, 1464 55th avenue, Oakland. Location, west 38th avenue north Hopkins. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,350. Oakland, Cal. Architect, none. Owner, C. M. Dean, 512 13th St., Oakland. Location, south Deluth east Fruitvale. Will contain five rooms, bath and sleeping porch. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, B. A. Dice, 429 13th street, Oakland. Location, east Shafter south 40th street. Will contain five rooms bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$4,500. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, John D. Garreston, Thomson Bldg. Location, east Thomas north Broadway. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,600. Berkeley, Alameda Co., Cal. Architect, none. Owner, Thomas Kearny, 2219 McKinley street, Berkeley. Location, east McKinley south Alston. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, F. Vonni, 1249 81st avenue, Oakland. Location, 1249 81st avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, W. E. McChesney, 1315 San Luis avenue, Oakland. Location, south Braun east Havenscourt. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, J. Coward, 6081 Claremont avenue, Oakland. Location, north Chabot Road east Elsie. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Berkeley, Alameda Co., Cal. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, southeast Virginia and Chestnut. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OFFICES—1 story and base, brick and terra cotta, \$10,000. Oakland, Cal. Architect, W. D. Reed, Oakland Bank of Savings Bldg., Oakland. Owners, Hutchinson Co. Location, north 17th street east Broadway, covering an area of 40 by 60 feet. Plans complete and figures being taken.

THEATRE AND STORES—2 story and base. Class A and Class C construction, \$100,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, Williamson & Bradshaw. Location,

south University between Milvia and Shattuck, covering an area of 153 by 150 feet. Will contain a large theatre, with a seating capacity of 1,000, and several stores. Preliminary plans only have been prepared. Further mention will be made of the work.

STORES—1 story and base, frame, \$2,500. Oakland, Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Mr. Rand. Location, 14th and West streets. Will contain one store. Plans being prepared.

FACTORY STACK—Steel, \$2,500. Oakland, Cal. Architect, none. Owner, Pacific Gas and Electric Co., 13th and Clay streets, Oakland. Plans complete and work to be done by Day Labor.

CHURCH—1 story, brick or concrete, \$35,000. Livermore, Alameda Co., Cal. Architect, C. E. McCrea, First National Bank Bldg., Oakland. Owners, Roman Catholic Church. Will contain main auditorium and Sunday school rooms. Plans being prepared.

FLATS—2 story and base, frame, \$4,700. Oakland, Cal. Architect, none. Owner, W. Forbes, 598 Sycamore street, Oakland. Location, west Union north 8th street. Will contain five and six room flats. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, Ole Kolen, 3127 Bruce street, Oakland. Location, southwest corner Rita and Ransom avenue. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

Contracts Awarded.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts have been awarded under the following resolutions: That Fairfax avenue, from the production of the northwest line of Renwick street to the production of the north line of lot 1, block 5, of the "Melrose Heights" Tract, be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement; a vitrified pipe conduit, having an internal diameter of 10 inches; a vitrified pipe conduit having an internal diameter of 16 inches; a concrete culvert, three brick manholes, one concrete manhole and a cast iron inlet be constructed. Awarded to Hutchinson Co., 13th and Franklin streets, Oakland.

That Delaware street in the vicinity of Maple avenue be graded, curbed with redwood, guttered with concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement; sidewalks 5 feet wide; a concrete culvert, having maximum internal dimensions of 2½ feet in height by 3 feet in width a brick storm water inlet with cast iron top, a 16-inch, vitrified, pipe conduit and a cast iron manhole be constructed. Awarded to Hutchinson Co., 13th and Franklin streets, Oakland.

Building Contracts Awarded.

Oakland

2199	Miller	.....Lewellyn	1600
2200	Young	.....Young	1000
2201	P G & E Co.	.....Owner	2500
2202	Forbes	.....Forbes	4700
2203	Pratt	.....Pratt	2500
2204	Olson	.....Boyd	2500
2205	Morehill	.....Valente	1300

2206	Swanson	Swanson	1600
2207	Kellogg	Kellogg	1600
2208	Same	Same	1600
2210	Anderson	Wallace	500
2211	Silva	Faulkes	800
2212	Renaud	Bay Oil	500
2213	Kivlehen	Bassett	400
2214	Parker	Bay City	500
2215	Sandina	Benassini	400
2216	Ench	Werder	500
2217	Hopps	Sommarstrom	2500
2218	Kolen	Kolen	2300
2219	Hopps	Sommarstrom	2500
2220	Barile	Stolte	2000
2221	Hill	Chapin	4000
2222	Quitman	Stange	3915
2223	Powell	Gassett	400
2224	Taylor	Thomas	1350
2225	Same	Same	1350
2226	Coward	Coward	3000
2227	Garretson	Garretson	4500
2228	Vonni	Vonni	1600
2229	McChesney	McChesney	1500
2230	Pac G & E	Pac Str Irr	1600
2231	Harris	Dormedonts	3000
2232	Turnbull	Turnbull	800
2233	White	White	1600
2234	Brain	Kutherford	1950
2235	Dean	Dean	2350
2236	Crichton	Dingwell	750
2237	Adamson	Adamson	400
2238	Dice	Dice	2000
2239	Biskard	Biskard	400
2240	Jordan	Place	400
2241	Berger	Elvin	700
2242	Ponchione	Ponchione	400
2243	Dinsmore	Tooby	400
2244	Allen	Allen	400
2245	Whalin	Whalin	2500
2246	Isakson	Isakson	1600
2247	Baker	Bertelsen	1336

PAINTING, ETC.

(2199) E FRANKLIN 477.3 N 14th N 180.3x150, Oakland. All work for painting, gilding and decorating Class "C" theatre.
Owner.....William E. Miller Estate Co., Syndicate Bldg., Okd.
Architect...Edward T. Foulkes, Crocker Bldg., San Francisco.
Contractor..The J. Llewellyn Co., 1635 Broadway, Oakland.
Filed Sept. 15, '16. Dated May 17, '16.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$1600
Bond, \$800. Surety, Massachusetts Bonding & Insurance Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

DWELLING

(2200) NE PORTER AND THIRTY-ninth Ave., Oakland. One-story four-room dwelling.
Owner.....H. R. Young, 3406 39th Ave. Oakland.
Architect...None.
Day's work. COST, \$1000

SMOKE STACK

(2201) FOOT OF MARKET ST., Oakland. Steel smoke stack.
Owner.....Pacific Gas & Electric Co., 13th and Clay, Oakland.
Architect...None.
Day's work. COST, \$2500

FLATS

(2202) W UNION 100 N Eighth, Oakland. Two-story 18-room flats.
Owner.....W. Forbes, 598 Sycamore, Oakland.
Architect...None.
Day's work. COST, \$1700

DWELLING

(2203) W GLENDORA AVE 140 S El Centro, Oakland. One and one-half-story 5-room dwelling.
Owner.....Rebecca A. Pratt.
Architect...None.
Contractor..Pratt & Tuttle, Maryland Apartments, Oakland.
COST, \$2500

DWELLING
(2204) S FORTY-FIFTH 100 W Shafter Ave., Oakland. One-story 6-room dwelling.

Owner.....Miss Rose L. Olson, 1807 Telegraph Ave., Oakland.
Architect...None.
Contractor..Robert Boyd, 851 Balboa, San Francisco.
COST, \$2300

ALTERATIONS

(2205) NO. 4810 TELEGRAPH AVE., Oakland. Alter and add to store.
Owner.....H. Morehill, Oakland.
Architect...None.
Contractor..M. E. Valente, 5882 Vallejo, Oakland.
COST, \$1300

FRAME DWELLING

(2206) W CURTIS 110 N Marin Ave., being Lot 15 Blk 30, Fairmont Park, Albany. All work for one-story frame dwelling.
Owner.....Oscar Swanson, 4066 18th, San Francisco.
Architect...None.
Contractor..Oscar Swanson.
Filed Sept. 16, '16. Dated —.
Payments not given.....

TOTAL COST, \$—

Bond, limit, forfeit, none. Plans and specifications filed.

NOTE:—No contract filed. Signed Oscar Swanson, owner and builder. John Winkler, by C. H. G. Runde.

DWELLING

(2207) W RHODA AVE 190 N Montana Oakland. One-story 5-room dwlg.
Owner.....I. Ariel Kellogg, 3404 Champion, Oakland.
Architect...None.
Day's work. COST, \$1600

DWELLING

(2208) W RHODA AVE 210 N Montana Oakland. One-story 5-room dwlg.
Owner.....I. Ariel Kellogg, 3404 Champion, Oakland.
Architect...None.
Day's work. COST, \$1600

ALTERATIONS

(2210) NO. 1835 THIRTY-EIGHTH Ave., Oakland. Alterations and additions.
Owner.....Mrs. P. B. Anderson, 890 Steiner, San Francisco.
Architect...None.
Contractor..Wallace & Lampher, San Anselmo, Cal.
COST, \$500

ADDITION

(2211) NO. 1429 EIGHTY-SECOND Ave., Oakland. Addition.
Owner.....Mrs. M. Silva, Premises.
Architect...None.
Contractor..John R. Faulkes, 9828 E-14th, Oakland.
COST, \$800

OIL BURNER

(2212) NO. 315 E-NINETEENTH, Oakland. Oil burner.
Owner.....Mary C. Renaud, Premises.
Architect...None.
Contractor..Ray Oil Burner Co., Okd.
COST, \$500

ALTERATIONS

(2213) NO. 3819 SAN JUAN, Oakland. Alterations and additions.
Owner.....M. J. Kivlehen, Premises.
Architect...None.

Contractor..E. D. Bassett, 8239 E-14th, Oakland.

COST, \$400

ALTERATIONS

(2214) NO. 474 TWELFTH, Oakland. Alterations.
Owner.....Benton & Parker, Premises.
Architect...None.
Contractor..Bay City Cabinet Co., 1080 5th, Oakland.
COST, \$500

ALTERATIONS

(2215) NO. 343 CENTER, Oakland. Alterations.
Owner.....Delto P. Sandina, Premises.
Architect...None.
Contractor..Pio Benassini, 5250 Boyd Ave., Oakland.
COST, \$400

ADDITION

(2216) E WEBSTER 40 S First, Oakland. Two-story addition (mill construction).
Owner.....Frank K. Ench, 2535 10th Ave., Oakland.
Architect...None.
Contractor..G. H. Von Werder, 3524 14th Ave., Oakland.
COST, \$500

DWELLING

(2217) N PARK BLVD 510 W Everett, Oakland. One-story 5-room dwlg.
Owner.....Agnes Hopps.
Architect...None.
Contractor..Axel Sommarstrom, 109 Sunnyside Ave., Oakland.
COST, \$2500

DWELLING

(2218) SW SANTA RITA & RANSOME Ave., Oakland. Two-story 7-room dwelling.
Owner.....Ole Kolen, 3127 Bruce, Okd.
Architect...None.
Day's work. COST, \$2300

DWELLING

(2219) N PARK BLVD 470 W Everett, Oakland. One-story 5-room dwelling.
Owner.....Agnes Hopps.
Architect...None.
Contractor..Axel Sommarstrom, 109 Sunnyside Ave., Oakland.
COST, \$2500

DWELLING

(2220) NO. 5233 MILES AVE., Oakland. One-story 5-room dwelling.
Owner.....A. Barile, Premises.
Architect...None.
Contractor..P. C. Stolte, 3149 Laguna Ave., Oakland.
COST, \$2000

DWELLING

(2221) S ARIMO AVE 150 W Walle Vista Ave., Oakland. Two-story 5-room dwelling.
Owner.....L. V. Hill.
Architect...None.
Contractor..L. E. Chapin, Security Bk Bldg., Oakland.
COST, \$1000

FRAME DWELLING

(2222) LOT 13 BLK "A" Lakewood Park Tract, Oakland. All work for two-story frame dwelling and garage.
Owner.....S. and Rosa Quitman, Okd.
Architect...None.
Contractor..D. V. Stange, 5806 Adeline, Oakland.
Filed Sept. 19, '16. Dated Sept. 18, '16.
Framed up..... 1/4

Brown coated 1/4
 Completed and accepted..... 1/4
 Usual 35 days..... 1/4

TOTAL COST, \$3915

Bond, \$2000. Sureties, J. C. Talbot, E. D. Miller and J. W. Byers. Limit, 65 days. Forfeit, \$3. Plans and specifications filed.

GARAGE

(2232) E CHETWOOD AVE \$8 N Santa Rosa, Oakland. Garage.
 Owner.....C. T. Powell, 273 Liberty, San Francisco.

Architect...None.
 Contractor...Gossett & Gossett, 1713 Nason, Alameda.

COST, \$400

DWELLING

(2234) N SEMINARY COURT 260 W Seminary Ave., Oakland. One-story 5-room dwelling.

Owner.....Dr. Miles Taylor, Head Bldg., San Francisco.

Architect...None.
 Contractor...Thomas & Clark, 5632 Seminary Court, Oakland.

COST, \$1350

DWELLING

(2235) N SEMINARY COURT 232 W Seminary Ave., Oakland. One-story 3-room dwelling.

Owner.....Dr. Miles Taylor, Head Bldg., San Francisco.

Architect...None.
 Contractor...Thomas & Clark, 5632 Seminary Court, Oakland.

COST, \$1350

DWELLING

(2226) N CHABOT ROAD 90 E Elsie, Oakland. Two-story 7-room dwlg.

Owner.....J. Coward, 6081 Claremont Ave., Oakland.

Architect...None.
 Day's work.....

COST, \$3000

DWELLING

(2227) E THOMAS 162 N Broadway Terrace, Oakland. Two-story 7-room dwelling.

Owner.....John D. Garretson, Thomas Bldg., Oakland.

Architect...M. I. Diggs, Syndicate Bldg., Oakland.

Day's work.....

COST, \$4500

DWELLING

(2228) NO. 1249 EIGHTY-FIRST AVE. Oakland. One-story 5-room dwelling.

Owner.....F. Vonn, 1249 81st Ave., Oakland.

Architect...None.
 Day's work.....

COST, \$1600

DWELLING

(2229) S BRAUN 212 E Havenscourt Blvd., Oakland. One-story 5-room dwelling.

Owner.....W. E. McChesney, 1315 San Luis Ave., Oakland.

Architect...None.
 Day's work.....

COST, \$1500

GALVANIZED IRON BUILDING

(2233) E MARKET ST. and line parallel and distant at L S 80 from S line First E 350 S 300 W 300 N to pt of beg. Oakland. All work for steel frame galvanized iron bldg.

Owner.....Pacific Gas & Electric Co., 13th and Franklin, Okd.

Architect...None.

Contractor...Pacific Structural Iron Works, 370-84 10th, S. F.

Filed Sept. 20, '16. Dated Sept. 11, '16
 Completed and accepted..... 75%
 Usual 35 days..... 25%

TOTAL COST, \$1600

Bond, \$800. Surety, Aetna Accident & Liability Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

BUNGALOW

(2243) S OAKLAND AVE Lot 161 Nova Piedmont, Piedmont. Bungalow.

Owner.....M. L. Harris, Syndicate Bldg., Oakland.

Architect...None.
 Contractor...Frank Dormedants.

COST, \$3000

DWELLING

(2248) SE MARIN AND MASONIC Albany. One-story 2-room dwelling.

Owner.....Wm. Turnbull, 2646 Telegraph Ave., Albany.

Architect...None.
 Day's work.....

COST, \$800

DWELLING

(2249) E ORDWAY 490 S Sonoma, Albany. One-story 5-room dwelling.

Owner.....Wm. B. White, 508 Pacific Bldg., San Francisco.

Architect...None.
 Contractor...W. Shery White, 1122 Poplar Oakland.

COST, \$1600

DWELLING

(2251) S THIRTIETH 130 E Adeline, Oakland. One-story 5-room dwelling.

Owner.....E. Brain, 3028 Chestnut, Oakland.

Architect...None.
 Contractor...Thos. Rutherford, 985 35th, Oakland.

COST, \$1950

DWELLING

(2252) S DAMUTH 200 E Fruitvale Ave., Oakland. One-story six-room dwelling.

Owner.....C. M. Dean, 512 13th, Okd.

Architect...None.
 Day's work.....

COST, \$2350

ALTERATIONS

(2253) NO. 436 FIFTEENTH, Oakland Alterations.

Owner.....Crichton Co.

Architect...None.
 Contractor...J. F. Dingwell, 2021 West, Oakland.

COST, \$750

ADDITION

(2254) NO. 1312 E-TWENTY-SEVENTH Oakland. Addition.

Owner.....D. P. Adamson, Premises.

Architect...None.
 Day's work.....

COST, \$400

DWELLING

(2255) E SHAFTER AVE 40 S 44th Oakland. One-story 6-room dwelling.

Owner.....B. A. Dice, 429 13th, Okd.

Architect...None.
 Day's work.....

COST, \$2000

ADDITION

(2256) NW FORTIETH AVE & CAR- rington, Oakland. Addition.

Owner.....S. C. Bissard, 2936 Carring- ton, Oakland.

Architect...None.

Day's work.....

COST, \$400

ALTERATIONS

(2257) NO. 2015 BROADWAY, Oakland Alterations.

Owner.....Fred Jordan, Premises.
 Architect...None.
 Contractor...N. W. Place, 310 Fairmount Oakland.

COST, \$400

ADDITION

(2258) NO. 2929 SUMMIT, Oakland. Two-story addition.

Owner.....O. Berger, Premises.
 Architect...None.
 Contractor...Frank Elvin, 4017 18th, Oakland.

COST, \$700

DWELLING

(2259) S FORTY-FIFTH 200 E Linden Oakland. One-story 3-room dwelling.

Owner.....S. Ponchione, 953 45th, Okd.

Architect...None.
 Contractor...A. Ponchione, 953 45th, Oakland.

COST, \$400

SHED

(2260) SW PIEDMONT & RAMONA Aves., Oakland. Shed.

Owner.....J. W. & T. S. Dinsmore, 27 Highland Ave., Piedmont.

Architect...None.
 Contractor...J. Tooby, 3853 Piedmont Ave., Oakland.

COST, \$400

ADDITION

(2261) NO. 1464 THIRTY-FIFTH AVE., Oakland. Addition.

Owner.....W. C. Allen, Premises.
 Architect...None.
 Day's work.....

COST, \$400

DWELLING

(2262) E EVERETT AVE 455 S Ham- pel, Oakland. One-story 5-room dwlg.

Owner.....J. F. Whalin, 1748 Broad- way, Oakland.

Architect...None.
 Day's work.....

COST, \$2500

DWELLING

(2263) W THIRTY-EIGHTH AVE 170 N Hopkins, Oakland. One-story five- room dwelling.

Owner.....S. A. Isakson, 1464 55th Ave., Oakland.

Architect...None.
 Day's work.....

COST, \$1600

GARAGE, ETC.

(2264) PTN LOT 11 BLK "G" Map Re- vised Map Piedmont Park. All work for garage and driveway.

Owner.....Mrs. Cleveland H. Baker, 213 Mountain Ave., Oakland

Architect...Chas. W. McCall, Central Bank Bldg., Oakland.

Contractor...S. J. Bertelsen, 1011 Frank- lin, Oakland.

Filed Sept. 22, '16. Dated Sept. 19, '16.
 Foundation in \$445
 Completed and accepted..... 445
 Usual 35 days..... 445

TOTAL COST, \$1336

Bond, limit, forfeit, none. Plans and specifications filed.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Am't.
2209	Williamson	Scammon	1200
2220	Fay	Sorensen	600
2231	Hillen	Hillen	2000
2232	Hillen	Hillen	2000
2244	Kearny	Kearny	1600
2245	Reimers	Owner	1200
2246	Barthels	Barthels	800
2247	Green	Green	400

DWELLING
(2209) NE HEARST AND CALIFORNIA, Berkeley. One-story 4-room dwg.
Owner.....L. Williamson, 1621 Scenic Ave., Berkeley.
Architect...None.
Contractor...C. F. Scammon, 1816 Addison, Berkeley.

COST, \$1200

GARAGE
(2230) NO. 1728 ARCH, Berkeley. Garage.
Owner.....Mrs. J. Fay, Premises.
Architect...None.
Contractor...Walter Sorensen, 3219 Ellis, Berkeley.

COST, \$600

DWELLING
(2231) E CHESTNUT 135 S Virginia, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2232) SE VIRGINIA & CHESTNUT, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2244) E MCKINLEY 120 S Allston Way, Berkeley. One-story 5-room dwelling and garage.
Owner.....Thomas Kearny, 2219 McKinley, Berkeley.
Architect...None.
Day's work.

COST, \$1600

DWELLING
(2245) S GRAYSON 105 W Seventh, Berkeley. One-story 4-room dwelling.
Owner.....P. Holberg Reimers, 2125 Shattuck Ave., Berkeley.
Architect...F. Holberg Reimers, 2125 Shattuck Ave., Berkeley.
Day's work.

COST, \$1200

STORE
(2246) W NINTH 134 S Carlton, Berkeley. One-story store.
Owner.....G. A. Barthels, 939 Pardee Berkeley.
Architect...None.
Day's work.

COST, \$300

STABLE
(2247) W WEST 215 S Bancroft Way, Berkeley. Stable.
Owner.....J. H. Green, 1323 Bancroft Way, Berkeley.
Architect...None.
Day's work.

COST, \$400

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2198	Harris	Allen	2150
2234	Pond	Stewart	2000
2235	Same	Same	2000
2236	Same	Same	2000
2237	Reite	Reite	1200
2238	Hillen	Hillen	2000
2239	Fowler	Cummings	2200
2240	Same	Same	2200
2241	Same	Same	2200
2242	Hessman	Hrubauik	1500

DWELLING
(2198) S SANTA CLARA AVE 85 E Stanton E 44.67 S 95.62 to pt 85 E Stanton and at r a first mentioned point to Santa Clara Ave Southerly 96.26 N 90.26, Alameda. All work for One-story 5-room dwelling.

Owner.....Alfred Harris and Mrs. Florence E. Harris, Los Banos, Merced Co., Cal.
Architect...A. J. Stern, 306 14th, Okd.
Contractor...F. E. Allen, 468 34th, Okd.
Filed Sept. 15 '16. Dated Sept. 15, '16.
Frame up and roof set.....\$400
Ready for interior finish.....400
Completed and accepted.....665
Usual 35 days.....665
TOTAL COST, \$2130
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2234) NO. 3215 STERLING AVE., Alameda. One-story 6-room dwelling.
Owner.....Dr. C. P. Pond, 1518 Encinal Ave., Alameda.
Architect...None.
Contractor...Geo. Stewart, 3010 Central Ave., Alameda.

COST, \$2000

DWELLING
(2235) NO. 3219 STERLING AVE., Alameda. One-story 6-room dwelling.
Owner.....Dr. C. P. Pond, 1518 Encinal Ave., Alameda.
Architect...None.
Contractor...G. W. Stewart, 3010 Central Ave., Alameda.

COST, \$2000

DWELLING
(2236) NO. 3216 STERLING AVE., Alameda. One-story 6-room dwelling.
Owner.....Dr. C. P. Pond, 1518 Encinal Ave., Alameda.
Architect...None.
Contractor...Geo. W. Stewart, 3010 Central Ave., Alameda.

COST, \$2000

DWELLING
(2237) NO. 749 TAYLOR AVE., Alameda. One-story 6-room dwelling.
Owner.....Jos. E. Reite, 1561 5th, Ala.
Architect...None.
Day's work.

COST, \$1200

DWELLING
(2238) NO. 3277 LIBERTY AVE., Alameda. One-story 5-room dwelling.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2239) NW PARU & SANTA CLARA AVE., Alameda. One-story 5-room dwelling.
Owner.....Jas. W. Fowler, 2031 Buena Vista Ave., Alameda.
Architect...None.
Contractor...E. W. Cummings, 2304 Clinton Ave., Alameda.

COST, \$2200

DWELLING
(2240) NO. 1511 PARU, Alameda. One-story 5-room dwelling.
Owner.....Jas. W. Fowler, 2031 Buena Vista Ave., Alameda.
Architect...None.
Contractor...E. W. Cummings, 2304 Clinton Ave., Alameda.

COST \$2200

DWELLING
(2241) N SANTA CLARA AVE 30 W Paru, Alameda. One-story 5-room dwelling.
Owner.....Jas. W. Fowler, 2031 Buena Vista Ave., Alameda.
Architect...None.
Contractor...E. W. Cummings, 2304 Clinton Ave., Alameda.

DWELLING
(2242) NO. 1426 WILLOW, Alameda. One-story 5-room dwelling.
Owner.....Clara Hessmann, 2100 Santa Clara Ave., Alameda.
Architect...None.
Contractor...M. F. Hrubauik, 2100 Santa Clara Ave., Alameda.

COST, \$2200

COST, \$1500

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Sept. 16, 1916—PT OPPOSITE and at right angles to Engineer Station 181 plus 56 and distant 20 E center line most E side track of C. P. Ry. Co near town of Centerville S 20 E 10 N 6 E 8 N 8 W S N 6 W 10. Central Pacific Railway as to improvements on leased property.....

NOTICE OF NON-RESPONSIBILITY.

Sept. 20, 1916—S THIRTY-THIRD 216-3 W West W 30x8 89-3, Okd. Moxey Realty Co as to improvements on leased property.....

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED **ACCEPTED**
Sept. 11, 1916—NOS. 2932-34 GROVE, Bkly. Milton E D'Asquith to Wm J Baker.....Sept. 8, 1916
Sept. 11, 1916—PTN LOTS 1 AND 2 Blk 21 Daley's Scenic Park, Bkly. Alpha Kappa Lambda Fraternity to Riddell Bldg Service Corp. Sept. 1, '16
Sept. 13, 1916—LOT 2 BLK "I" 4th Ave Terrace, Okd. James McGuinness to whom it may concern.....Sept. 12, 1916
Sept. 13, 1916—LOT 37 Map 4th Ave Terrace Ext and Lot 75 Map 4th Ave Terrace Ext, Okd. Paul E Woodburn to whom it may concern.....Sept. 13, 1916
Sept. 13, 1916—LOT 8 BLK "E" Bryant Tract, Bkly. Genevieve A Brennan to whom it may concern.....Sept. 6, 1916
Sept. 13, 1916—LOT 20 BLK "A" Grand Ave Heights, Piedmont. Bertha S and George A Sisson to John Kringlein.....Sept. 11, 1916
Sept. 14, 1916—PTN LOTS 26 AND 27 Blk 3 4th Avenue Heights, Okd. Mabel Woodard to E W Woodard.....Sept. 14, 1916
Sept. 14, 1916—LOT 43 BLK "C" 4th Ave Terrace, Okd. Mabel Woodard to E W Woodard.....Sept. 14, 1916
Sept. 14, 1916—NE MONTGOMERY & John, Okd. Frank Romano to Ed Collins.....Sept. 12, 1916
Sept. 14, 1916—N 15 LOT 185; all Lots 187 and 189 and S 25 Lot 191, Terminal Junction Tract, Albany. Annie D Morris to A R Morris.....Sept. 12, 1916
Sept. 15, 1916—SE COR. EPISCOPAL Church Ppty in center County Road leading from Centerville to Newark 190 from SW line County Road leading from Centerville to Alvarado NW 259 SE 65, Centerville. Marion L Mowry to Robert Irvine.....Sept. 12, 1916
Sept. 19, 1916—N DELAWARE 200 W California W 40xN 135, Bkly. Chas W Penning to C B Roberts.....Sept. 15, 1916
Sept. 19, 1916—N HAIGHT AVE 205

W 4th W 40xN 135, Ala. Anton Matjasich to C J Blom and E Jacobson.....Sept. 19, 1916

Sept. 19, 1916—LOT 20 BLK 7 Map Shaw Tract Blks 4, 6, 7, 8 and 9, Bkly. W H McNaughton to Mason-McDuffie Co.....Sept. 15, 1916

Sept. 20, 1916—S FLEET ROAD 105 S Greenwood Ave In 4th Avenue Terrace Extension, Oakland. Bernard Celli to John Perona.....Sept. 15, 1916

Sept. 21, 1916—LOT 48 BLK 17, North Cragmont, J H Martin to whom it may concern.....Sept. 21, 1916

Sept. 21, 1916—NE WEBSTER AND Santa Clara Ave N 30x E 100, Ala. George T Wright to whom it may concern.....Sept. 19, 1916

Sept. 22, 1916—SW DENNISON AND King, Okd. Standard Gas Engine Co to G A Scott.....Sept. 14, 1916

Sept. 22, 1916—LOT 18 BLK "M" Northbrae Terrace, Bkly. S E Batsford to J S Hanson.....Sept. 20, 1916

Sept. 22, 1916—S SIXTY-SEVENTH 375 E San Pablo Ave E 50xS 100, Okd. Martin and Emile Koff to Werner Johnson.....Sept. 21, 1916

LIENS FILED

ALAMEDA COUNTY.

Sept. 11, 1916—(1) PTN AUGIN- haugh 223.374 acre Tract; Lots 22, 25, 26 and 27 and ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D M Sale Map No. 10 of Salt Marsh & Tide Lands, Ala. E K Wood Lumber Co vs Surf Beach Lumber Co and Surf Beach Park Co.....\$4465.38

Sept. 11, 1916—N MARIN AVE 30 W Pomona Ave 30x100, Albany. S C Walker vs A R and Jone Doe Morris.....\$53.50

Sept. 13, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102-6 N 40.064, Bkly. C J A Mattson vs George W Coles and George W Patton.....\$32

Sept. 13, 1916—PTN LOTS 3, 4, 5 W G. Henshaw's Sbdvn of Lots at 24th and Bay Place, Okd. James Cahill & Co vs L E and O E Allen.....\$26.95

Sept. 13, 1916—LOT 11, W G. Hen- shaw Sbdvn Lots at 24th and Bay Place, Okd. A J Simons vs C L Adams, O E and Laura E Allen.....\$63.65

Sept. 13, 1916—N TWENTY-FOURTH 317.50 E Valdez E 40xN 100, Okd. Chester A Gossett vs Laura E and Orrin Allen.....\$39.25

Sept. 13, 1916—E ORRIN DRIVE 100 N 24th E 100xN 35, Okd. E Dinneen vs Laura E and Orrin Allen.....\$18

Sept. 13, 1916—N TWENTY-FOURTH 317.50 E Valdez E 40xN 100, Okd. E Dinneen vs Laura E and Orrin Allen.....\$75

Sept. 13, 1916—LOT 40x100 on Se Cor. Prince and Shattuck Ave, Bkly. S C Walker and S H Nolen sv C W Coles and Geo W Patton.....\$90.50

Sept. 13, 1916—NE TWENTY-FOURTH and Valdez E 279 N 203 fm pt beg W 108 N 32 E 82 SE 41, Okd. Bass Heuter Paint Co vs Laura E and O E Allen.....\$131.72

Sept. 13, 1916—NE TWENTY-FOURTH and Valdez E 328-6 N 138 fm pt beg W 140 N 32 E 115 S 41, Oakland. Bass-Heuter Paint Co vs Laura E and O E Allen.....\$131.72

Sept. 13, 1916—NE TWENTY-FOURTH

and Valdez E 358-6 N 100 to pt of commencement W 167-5 N 38 E 140 SE 50, Okd. Bass-Heuter Paint Co vs Laura E and O E Allen.....\$263.43

Sept. 13, 1916—SE PRINCE AND Shattuck Ave E 100 S 40 W 102.50 N 40.064, Bkly. Bass-Heuter Paint Co vs Geo W Patton, Charles W Coles and P J Wright.....\$75

Sept. 13, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102.50 N 40.064, Bkly. N W Parker vs Geo W Patton and Charles W Coles.....\$582.50

Sept. 13, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102.50 N 40.064, Bkly. C W Sanford and M A Beardsworth (Best Sheet Metal Works) vs Geo W Patton and Chas W Coles.....\$90.50

Sept. 13, 1916—N TWENTY-FOURTH 317.50 E Valdez E 40xN 100, Okd. Sunset Lumber Co vs Laura E and O E Allen.....\$868.48

Sept. 13, 1916—PTN LOTS 3, 4 AND 5 Map W G. Henshaw's Sbdvn Lots at 24th and Bay Place and also ptn Lot 1 Map Duffy Tract, Okd. Sunset Lumber Co vs Laura E and O E Allen.....\$765.07

Sept. 13, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102-6 N 40.064, Bkly. C A Elsenius vs Geo W Patton and Charles W Coles.....\$450

Sept. 13, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102-6 N 40.064, Bkly. John Stammitt vs George W Patton and Charles W Coles.....\$390

Sept. 13, 1916—LOT 2 BLK "S" New- berry Tract, Bkly. Berkeley Elec- trical Co vs George W Patton and Charles W Coles.....\$153.87

Sept. 13, 1916—LOT 22 BLK 3 Amend- ed Map Thousand Oaks Court, Oak- land Tp. Swift & Wilcox vs R E Stuhbe, George Friend and P J Wright.....\$302.05

Sept. 13, 1916—LOT 20 BLK 3 Amend- ed Map Thousand Oaks Court, Oak- land Tp. Swift & Wilcox vs R E Stuhbe and George Friend.....\$313.50

Sept. 13, 1916—NE TWENTY-FOURTH and Valdez E 318-6 fm pt beg N 100 x E 40, Okd. F W Foss Co vs L E and O E Allen.....\$187.03

Sept. 13, 1916—NE COR TWENTY- Fourth and Valdez E 358-6 N 100 fm pt beg W 167-5 N 38 E 140 SE 50, Okd. F W Foss Co vs L E and O E Allen.....\$225.60

Sept. 13, 1916—NE COR TWENTY- fourth and Valdez E 279 N 203 fm pt beg W 108 N 32 E 82 SE 41, Okd. F W Foss Co vs L E and O E Allen.....\$113

Sept. 13, 1916—NE COR TWENTY- fourth and Valdez E 228-6 N 138 fm pt beg W 140 N 32 E 115 SE 41, Okd. F W Foss Co vs L E and O E Allen.....\$113

Sept. 13, 1916—NE COR TWENTY- fourth and Valdez E 181 N 140 fm pt beg W 70 N 40 E 61 SE 40, Okd. F W Foss Co vs L E and O E Allen.....\$113

Sept. 13, 1916—N TWENTY-FOURTH 317.50 E Valdez E 40xN 100, Okd. George H Tay Co vs J M Dale and Laura E Allen.....\$144.27

Sept. 13, 1916—SW LOT 3 8.31 NW parcel land described in Deed from Henry L Hinman and wife to O E Allen, recorded Liber 2182 Page 180 SE 8.31 NE 15.64 SE 8.42 SE 42.63 NW 143.82 th on curve to left 32 SE

96-14, Okd. George H Tay Co vs J M Dale and Laura E Allen.....\$155.50

Sept. 13, 1916—PTN 100 N TWENTY- fourth and 220 E Valdez E 100 NW 45 W 96 S 40, Okd. C L Adams vs Laura E and Orrin Allen.....\$200

Sept. 13, 1916—TWENTY-FOURTH on W Line Lot 11 th 100 N to pt intersection Lot 5 Map Wadsworth Tract and Map Duffy Tract of Hen- shaw Sbdvn known as W G Hen- shaw Sbdvn E to E line Lot 11 S to N line 24th W to pt beg, Okd. C L Adams vs Laura E and Orrin Allen.....\$175

Sept. 14, 1916—N TWENTY-FOURTH 317.05 E Valdez E 40xN 100, Okd. W J Rigney (as the Oakland Mantel Co) vs Laura E and O E Allen.....\$24

Sept. 14, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102.05 N 40.064, Bkly. Rhodes-Jamieson & Co vs Geo W Patton, Chas W Coles and S G Bramhall.....\$224.25

Sept. 14, 1916—SE PRINCE & SHAT- tuck Ave E 100xS 40, Bkly. E Din- neen vs Charles W Cole and Geo Patton.....\$54

Sept. 14, 1916—PTN LOT 7 BLK "U" Revised Map Oakland Heights, Okd. B C White vs H Louise Mayon and C F Fallmer.....\$56.95

Sept. 14, 1916—PTN LOT 7 BLK "U" Revised Map Oakland Heights, Okd. B C White vs C F Fallmer.....\$57.45

Sept. 14, 1916—PTN LOT 7 BLK "U" Revised Map Oakland Heights, Okd. J Catucci vs H Louise Mayon.....\$145

Sept. 14, 1916—PTN LOT 7 BLK "U" Revised Map Oakland Height, Okd. J Catucci vs Charles Fallmer.....\$273

Sept. 14, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102-6 N 40.064, Bkly. Sunset Hardware Co vs C W Coles and George W Pat- ton.....\$145.26

Sept. 14, 1916—N TWENTY-FOURTH 317.50 E Valdez E 40xN 100, Okd. National Roofing Co vs Laura E and O E Allen.....\$89

Sept. 14, 1916—N 40 LOT 2 BLK "F" Map Eastern Ptn Newbury Tract, Bkly. W H Burt vs Charles W Coles and George W Patton.....\$32

Sept. 14, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102-6 N 44.06, Bkly. Panama Lumber & Mill Co vs Charles W Coles and George W Patton.....\$85.11

Sept. 14, 1916—N 40 LOT 2 BLK "F" Map E Ptn Newbury Tract, Bkly. T A Johnson vs C W Coles and Geo W Patton.....\$85

Sept. 14, 1916—SE PRINCE & SHAT- tuck Ave E 100 S 40 W 102-6 N 40.064, Bkly. California Door Co vs E W Coles and George W Pat- ton.....\$580

Sept. 14, 1916—(1) PTN AUGIN- haugh 223.374 acre Tract; (2) Lots 22, 25, 26, 27 and ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D M Map Sale Map No. 10 Salt Marsh & Tide Lands, Alameda. J O Davis vs Surf Beach Amusement Co, August Freese, A T Spence, Alameda Park Co, H W Owens, Wm Edwards, Newark De- velopment Co, Harvey M Foy, F W Lucas, S F Walter, Strehlow, Freese & Peterson, John Doe and Richard Roe and Black & White Co.....\$4800

Sept. 15, 1916—NE COR TWENTY- fourth and Valdez E 279 N 203 fm pt beg W 108 N 32 E 82 SE 41,

Okl. Hansen Floor Co vs O L and Laura E Allen.....\$50.12
 Sept. 15, 1916—NO. 242 ORRIN Drive, Okl. Sunset Lumber Co vs Laura E and O E Allen.....\$1735.98
 Sept. 15, 1916—PTN LOT 1 Map Duffy Tract, Okl. Sunset Lumber Co vs Laura E and O E Allen.....\$721.23
 Sept. 15, 1916—NO. 2429 ORRIN Drive, Okl. Sunset Lumber Co vs Laura E and O E Allen.....\$309.09
 Sept. 15, 1916—LOT 16 BLK 9 Map Northbrae, —, F W Foss Co vs A C Howard, H H Putnam and C K Jones.....\$29.20
 Sept. 15, 1916—PTN LOT 16 BLK 9 Northbrae, Oakland Tp. Harry H Putnam vs Clarence Graham Jones.....\$1848.88
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez th 279 along N line 24th N 203 fm pt beg W 108 N 32 E 82 SE 41, Okl. Spott Bros vs L E and Orin Allen.....\$16
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez th along N line 24th 328-6 N 133 fm pt beg W 140 N 32 E 115 SE 40, Okl. Spott Bros vs L E and Orin Allen.....\$18
 Sept. 15, 1916—NO. 2425 ORIN DRIVE being NE Cor. 24th and Valdez E 181 N 100 fm pt beg W 50 N 40 E 70 S 40, Okl. Spott Bros vs L E and Orin Allen.....\$18.18
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez E 181 N 140 fm pt beg W 70 N 40 E 61 S 40, Okl. Spott Bros vs L E and Orin Allen.....\$18
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez th along N line 24th 358-6 N 100 fm pt beg W 167-5 N 38 E 140 SE 50, Okl. Spott Bros vs L E and Orin Allen.....\$83
 Sept. 18, 1916—E HILLEGASS AVE 170 N Ashby Ave N 45x16 160, Okl. Hogan Lumber Co vs J S Hanson and Reuben Hollman.....\$359.60
 Sept. 15, 1916—N TWENTY-FOURTH 317.5 E Valdez E 40xN 100, Okl. Spott Bros vs L E and Orin Allen.....\$35.50
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez E 328-6 N 133 fm pt beg W 140 N 32 115 SE 41, Okl. Hansen Floor Co vs O E and Laura E Allen.....\$50.12
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez E 358-6 N 100 fm pt beg W 167-5 N 38 E 140 SE 50, Okl. Hansen Floor Co vs O E and Laura E Allen.....\$128.80
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez E 181 N 100 fm pt beg W 80 N 40 E 70 S 40, Okl. Hansen Floor Co vs O E and Laura E Allen.....\$44.90
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez E 318-6 N 100 N 100 E 40 S 100 W 40, Okl. Hansen Floor Co vs O E and Laura Allen.....\$40
 Sept. 15, 1916—NE COR. TWENTY-fourth and Valdez E 181 N 140 fm pt beg W 70 N 40 E 61 SE 41, Okl. Hansen Floor Co vs O E and Laura E Allen.....\$50.12
 Sept. 16, 1916—SE PRINCE & SHAT-tuck Ave E 100 S 40 W 102 N 40.064, Bkly. Marshall & Stearns Co vs Geo W Patton and C W Coles.....\$198
 Sept. 16, 1916—(1) PTN AUGHIN-baugh 223.374 acre Tract; (2) Lots 22, 23, 26 and 27 and ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D M, Sale Map No. 10 Salt Marsh & Tide Lands, Ala. Western Heavy Hardware & Tool Co, \$216.94; Standard Oil Co, \$655.21 vs Surf Beach Amusement Co, Au-

gust Friesse, A T Spence, Alameda ark Co, M H O Wens, Wm Edwards, John Doe, Richard Roe, Newark Development Co, Harvey M Toy, F W Lucas, S F Walter, Strehlow, Friesse & Peterson and J O Davis...
 Sept. 14, 1916—SE PRINCE & SHAT-tuck Ave E 100 S 40 W 102-6 N 40.064, Bkly. Paradise Paint Co vs Geo W Patton.....\$108
 Sept. 16, 1916—PTN LOTS 3, 4, AND 5 W. G. Henshaw's Shdvn Lots at 24th and Bay Place, Okl. Marshall & Stearns Co vs O E Allen.....\$288
 Sept. 15, 1916—LOT 22 BLK 4 Thous-and Oaks Station Tract, —, Thos R Hanna and Sam C Hanna (Hanna Lumber & Mill Co) vs Walter H and Elizabeth R Packard.....\$553.42
 Sept. 15, 1916—E THOMAS 294 N Napa N 76x E 100, Okl. George T Tay Co vs E L Higgins & N C Hill.....\$156.97
 Sept. 20, 1916—NE COR TWENTY-fourth and Valdez E 279 N 203 fm pt beg W 108 N 32 E N 82 41, Okl. George H Tay Co vs Laura E and O E Allen.....\$152.96
 Sept. 20, 1916—NE COR TWENTY-fourth and Valdez E 358-6 N 100 fm pt beg W 167-5 N 38 E 140 SE 50, Okl. George H Tay Co vs Laura E and O E Allen.....\$438.87
 Sept. 20, 1916—NE COR TWENTY-fourth and Valdez E 181 N 140 fm pt beg W 70 N 40 E 61 SE 40, Okl. George H Tay Co vs Laura E and O E Allen.....\$155.16
 Sept. 21, 1916 SE TWELFTH AVE 75 SW E-15th SW 50xSE 110, Okl. C M Dean, \$117; G A Dennis, \$194 vs Charles H Merithew, Estate Hattie D Merithew, dec'd, James E and May J Reiter.....
 Sept. 21, 1916—PTN LOT 1 Map Rock Ridge Place, Okl. A H Bar (Bar Mercantile Co) vs J C O'Connor, O F Belling and D S Childers.....\$104.25
 Sept. 22, 1916—LOT 20 BLK 3 Amend-ed Map Thousand Oaks Court, Oak-land Tp. Sunset Lumber Co vs R E Stubbe.....\$1326.82
 Sept. 22, 1916—LOT 22 BLK 3 Amend-ed Map Thousand Oaks Court, Oak-land Tp. Sunset Lumber Co vs R E Stubbe.....\$599.34
 Sept. 22, 1916—(1) PTN AUGHIN-baugh 223.374 acre Tract; (2) Lots 22, 23, 26 and 27 and ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp S Range 4 W M D M, Sale Map No. 10 Salt Marsh & Tide Lands, Ala. Sunset Lumber Co vs A T Spence and Surf Beach Amusement Co.....\$3335.96
 Sept. 22, 1916—NE MONTGOMERY & John N 100xE 55, Okl. H H John and C Post (John & Post) vs Frank Romano and Ed Collins.....\$133.66
 Sept. 23, 1916—LOT 47 MAP GRAND Ave Terrace, Okl. Rhodes Jamies-on & Co vs C O Bradhoff, Grace Leadley Forrester, Hary Watchers and Alexander McLeer.....\$32.11
 Sept. 23, 1916—LOT 100 MAP Sheet No. 2 Nova Piedmont, Piedmont, California Door Co vs V N Strang.....\$187.60
 Sept. 23, 1916—LOT 47 MAP GRAND Ave Terrace, Okl. California Door Co vs Grace L Forrester and C O Bradhoff.....\$162
 Sept. 23, 1916—LOT 47 MAP GRAND Ave Terrace, Okl. Charles Arnold vs Grace L Forrester and C O Bradhoff.....\$45.50
 Sept. 23, 1916—PTN AUGHINEAUGH

20-24 Acre Tract and Lots 22, 25, 26 and 27 and Ptn Lots 23 and 24 Sec 11 and Lots 6 Sec 14 Tp 2 Range 4 W M D M Sale Map No. 10 Salt Marsh & Tide Lands, Ala. John P Maxwell (Maxwell Hardware Co)vs J O Davis, Surf Beach Amusement Co, August Friesse, A T Spence, Alameda Park Co, W H Owens, W M Edwards, John Doe, Richard Roe, Newark Development Co, Harvey M Toy, F W Lucas and S F Walter.....\$416.26
 Sept. 23, 1916—SE WELDON AND Walker Aves E 80 SW 85.70 SE 102.29 N 57.13, Okl. E K Wood Lumber Co vs Grace L and B A Forrester and C O Bradhoff.....\$543.20
 Sept. 23, 1916—W LAUREL 120 S Clinton Ave S 40xW 130, Alameda, A G Vollmar vs O E Olsen.....\$377
 Sept. 23, 1916—LOT 47 Map Grand Av Terrace, Okl. John P Maxwell (Maxwell Hardware Co) vs C O Bradhoff & Grace L Forrester.....\$112.68
 Sept. 23, 1916—LOT 100 Nova Pied-mont, Piedmont, John P Maxwell (Maxwell Hardware Co) vs V N Strang.....\$187.63

SAN JOSE AND THE SANTA CLARA VALLEY

STREET IMPROVEMENT—Cost not stated. Hillsborough, San Mateo Co., Cal. Engineer, City Engineer, Holbrook Bldg., S. F. Owners, City of Hillsborough. Bids were to have been opened by the Town Trustees of Hillsborough at their regular meeting Tuesday evening, September 19th, for the improvement of Barriolhet avenue from the eastern limits of the city to the west line of Brewer Drive. Action was postponed, however, for two weeks and the bids will be opened on October 3rd.

STREET IMPROVEMENT—Cost not stated. Sunnyvale, Santa Clara Co., Cal. Engineer, City Engineer, City Engineer, Sunnyvale. Owners, City of Sunnyvale. The Town Trustees have ordered bids received up to October 3rd at 8 p. m. for the construction of an oiled macadam roadbed, base seven inches deep with three grades of crushed rock and surface on the following streets: Taffie street from the south side of the right-of-way of the South Pacific Railroad or station, running thence southerly to the south side of Evelyn avenue. Evelyn avenue from Taffie street to Murphy street. A 20-foot strip along the center of Murphy avenue from Washington avenue to San Jose and San Francisco road or the State highway. With full width at all crossing streets and turn-outs or 30-foot gores connecting with the gutter line and shoulders along the sides of said 20-foot strip, together with concrete curbs and gutters along both sides of said streets. Plans and specifications are on file in the office of the Town Clerk.

BRIDGE REPAIRS—Cost not stated. Monterey, Monterey Co., Cal. Engineer, County Surveyor, Monterey. Owners, Monterey County. Bids will be opened on October 3rd at 2 p. m. for grading a portion of the San Lucas-Peach Tree road, in Peach Tree Road District, also for repairing bridge across the Salinas River at a point near the town of San Ardo.

BRIDGE—Reinforced concrete. Cost not stated. Hollister, San Benito Co.,

Cal. Engineer, County Surveyor W. A. Winn, Hollister. Owners, San Benito County. Bids will be opened on October 2nd at 2 p. m. for constructing a reinforced concrete bridge over Santa Ana Creek near Hollister.

BRIDGES—Reinforced concrete. Cost not stated. San Jose, Santa Clara Co., Cal. Engineer County Surveyor, San Jose. Owners, Santa Clara County. Plans and specifications for the following bridges were approved at the last meeting of the County Supervisors, and bids were ordered received up to 11 a. m. of October 16th: Bridge on Almaden road near Elwood road; bridge on Almaden road near Cooney place; bridge on Almaden road near Schneider place; culverts on San Felipe and Wehner roads. Plans and further information may be had from County Clerk Henry A. Pfister.

RETAINING WALL, ETC.—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on October 2nd at 10 a. m. for the construction of retaining walls and timber bulkheads on the Redwood City to San Gregorio road, located in the Third and Fifth Road Districts.

STREET IMPROVEMENT—Cost not stated. San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. The County Supervisors have rejected the bid of Thomas Flynn, recently submitted for macadamizing Laurel and Mills avenues in the Third Road District.

SCHOOL ADDITION AND HEATING SYSTEM. Cost not stated. San Jose, Santa Clara Co., Cal. Architects' names as follows. Owners, City of San Jose. All bids for the construction of the addition to the Washington School, designed by Architect F. G. Aitken, Theatre Bldg., have been rejected. About \$10,000 is available for construction and the lowest figure received was \$12150. Plans will be revised and new figures called. The date for opening bids for the heating system to be installed in the San Jose High School addition, designed by Architect William Binder, has been postponed until October 10th.

SCHOOL—2 story and base. Class C construction. \$100,000. Palo Alto, Santa Clara Co., Cal. Architect not selected. Owners, City of Palo Alto. Competitive plans for the new \$100,000 school building to be erected at Palo Alto will be submitted by three architects only. From sixteen applications the Board of Education selected Architect W. H. Weeks, 75 Post street, San Francisco; John J. Donovan, Ferry Bldg., Oakland, and Allison & Allison of Los Angeles.

Contracts Awarded.

STREET IMPROVEMENTS—\$3,544 San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. Contractor, J. W. McDonald, Bank of Italy Bldg., San Jose. Contract price, \$3,544.

HOSPITAL WARD ADDITION—1 story, frame, \$8,285. San Jose, Santa Clara Co., Cal. Architect, William Binder, Rea Bldg., San Jose. Owners, Santa Clara County. Contractor, George H. Kemp, 483 Washington street, Santa Clara. Contract price, \$8,285.

LINING CANAL—Concrete. Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, Chief Engineer, Modesto Owners, Modesto Irrigation District. Bids will be opened on October 12th at 10 a. m. for the construction of concrete lining in the main canals of the Modesto Irrigation District immediately below Rairden Hill, and such work is more particularly described and specified in the plans and specifications.

BIDS RECEIVED FOR HOSPITAL WARD

Santa Clara Supervisors Open Bids and Award Contracts For Hospital Ward and Road Work.

SAN JOSE, Santa Clara Co., Cal., Sept. 18th, 1916—Bids were opened at this morning's meeting of the Board of Supervisors for the construction of a one-story frame tubercular ward to be erected at the county infirmary and also for a mile of the Trimble Road. Plans for the ward building were prepared by Architect William Binder, Rea Bldg., San Jose.

George H. Kemp, 483 Washington St., Santa Clara, was awarded the contract for the ward building at \$8,285. J. P. Dempsey, Race and San Salvador Sts., was awarded the contract for the road work at \$4,685. The following bids were received for the ward building.

Tubercular Ward.

R. O. Summers.....	\$9,533
F. T. Eaman.....	9,998
John Doyle.....	9,500
R. L. Compton.....	9,652
Morrison Bros.....	9,117
J. H. Miller.....	9,258

Others bids submitted for the Trimble Road work were:

Trimble Road.

J. W. McDonald.....	\$5,943
F. W. Wehner.....	6,688
John P. Adams.....	5,493

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME DWELLING

HESTER PARK TRACT, San Jose. All work for one-story hollow tile and frame dwelling.

Owner.....Violet A. Smith.

Architect.....Higbie & Hill, 575 Emory St., San Jose.

Contractor.....D. H. Main, Tillman and Yosemite Sts., San Jose.

Filed Sept. 20, '16. Dated Aug. 1, '16.

Masonry walls up.....	25%
Building ready for interior trim	25%
Job accepted.....	25%
Usual 35 days.....	25%
TOTAL COST,	\$2,657

Bond, \$1328.50. Sureties, Carrie D. Main and Geo. W. Dobson. Limit, 60 days. Forfeit, none. Plans and specifications filed.

STEAM HEATING

HOBSON SCHOOL, San Jose. All work for steam heating system for school.

Owner.....San Jose School Board.

Architect.....Chas. S. McKenzie, Bank of San Jose, San Jose.

Contractor.....John Stock & Sons, 71 S-

First St., San Jose.

Filed Sept. 15, '16. Dated Sept. 5, '16.

As work progresses.....	75%
Usual 35 days.....	Balance
TOTAL COST,	\$2,895

Bond, \$1447.50. Surety, W. H. Pomeroy. Limit, with dispatch. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM

HAWTHORNE SCHOOL, San Jose. All work for heating system for school. Owner.....San Jose School Board.

Architect.....F. D. Wolfe, 1st National Bank Bldg., San Jose.

Contractor.....C. L. Meisterheim, 189 S. First St., San Jose.

Filed Sept. 15, '16. Dated Sept. 7, '16.

Roughing in, plant up.....	\$1029.37
Job accepted.....	1029.38
Usual 35 days.....	686.25

TOTAL COST, \$2745.00

Bond, \$1372.50. Sureties, H. E. Hoff and Albert O. Kayser. Limit, 100 days after filing. Forfeit, \$5 per day. Plans and specifications filed.

LATHING, ETC.

UNIVERSITY AVE AND HIGH ST., Palo Alto. All work for lathing and plastering for three-story brick stores and office building.

Owner.....Ernest Wilson Co.

Architect.....Arthur S. Heineman, San Fernando Bldg., L. A.

General Contractor.....Dreyfus Bros., 324 California, San Francisco.

Sub-Contractor.....Samuel Pedgrift.

Filed Sept. 16, '16. Dated Sept. 14, '16.

2nd week after work started.....	75%
Usual 35 days.....	Balance

TOTAL COST, \$1510

Bond, none. Limit, 14 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

MAYFIELD. All work for two-story frame dwelling.

Owner.....Regents of Stanford University.

Architect.....Henry Shermund, Mills Bldg., San Francisco.

Contractor.....George B. Moore, Mayfield, Santa Clara Co., Cal.

Filed Sept. 12, '16. Dated Aug. 31, '16.

Rough frame up and roof on.....	25%
Rough plumbing in and brown plaster on.....	25%
Job accepted.....	25%
Usual 35 days.....	25%
TOTAL COST,	\$2,440

Bond, \$1220. Surety American Surety Co. Limit, 65 days from filing. Forfeit, \$10 per day. Plans and specifications filed.

GYMNASIUM, ETC.

SAN FERNANDO & SEVENTH STS., San Jose. All work for gymnasium and home economics building for high school.

Owner.....San Jose School Board.

Architect.....Wm. Binder, Rea Bldg., San Jose.

Contractor.....Monson Bros., 1907 Bryant St., San Francisco.

Filed Sept. 11, '16. Dated Sept. 1, '16.

Payments each month of.....	75%
Usual 35 days.....	Balance

TOTAL COST, \$42,960

Bond, \$21,480. Surety, California Casualty Co. Limit, 100 days from filing. Forfeit, \$10 per day. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED AMOUNT
 Sept. 15, 1916—JULIAN ST., bet. 13th and 14th Sts., San Jose. Dr F B Pearce to J F Dowle.....Sept. 6, 1916
 Sept. 20, 1916—S FRANKLIN ST., Santa Clara. V A Scheller to E Nommensen.....Sept. 9, 1916
 Aug. 31, 1916—WASHINGTON AND Fourth, San Jose. C P Bailey & Sons to whom it may concern.....
Aug. 26, 1916
 Sept. 14, 1916—SW COWPER AND Homer Ave., Palo Alto. Woman's Club to F W Fox.....Sept. 11, 1916

LIENS FILED

SANTA CLARA COUNTY.

RECORDED AMOUNT
 Sept. 12, 1916—GISH ROAD. O J Mills vs Anna Birk.....\$182
 Sept. 14, 1916—LOT 1 BLK 18, Freyschlag Add'n, City of San Jose. Henry Cowell Lime & Cement Co vs Frank Peres.....\$59.80
 Sept. 14, 1916—LOT 1 BLK 18, Freyschlag Subvn Reed Add'n, San Jose. George E Lenzen vs Frank and Rosa Peres.....\$45.75

RELEASE OF LIENS

SANTA CLARA COUNTY.

RECORDED AMOUNT
 Sept. 13, 1916—FRANKLIN ST. bet. Jefferson and Lincoln, Santa Clara. E J McDaniel to Henry R and Mary F Roth.....\$252

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME RESIDENCE
 ALMENDRAL TRACT, Selby Lane, Atherton. Concrete work, brick, carpentry, plumbing, heating, electrical work, plastering, painting and all other work for two-story frame and plaster residence.
 Owner.....Angel Guirola, Republic of Salvador, C. A.
 Architect.....Charles Ed. Hodges, 742 Market, San Francisco.
 Contractor.....Thomas Elam & Son, 130 Jessie, San Francisco.

Filed Sept. 20, '16. Dated Sept. 20, '16
 Framed to 2nd floor.....\$1260
 When roofed.....1260
 Roughed plastered.....1260
 Exterior plastered, etc.....1260
 When completed.....1260
 Usual 35 days.....2100
 TOTAL COST, \$5400
 Bond, \$4200. Surety, The Aetna Accident and Liability Co. Limit, 75 days
 Forfeit, \$5 per day. Plans and specifications filed.

DWELLING

LOT 22 BLK 3 Glenwood Park, Burlingame. All work for one-story frame dwelling.
 Owner.....Mary J. and Alexander H Davidson, San Mateo.
 Architect.....None.
 Contractor.....Samuel McClure, Burlingame.
 Filed Sept. 21, '16. Dated Sept. 18, '16.
 Framed and roofed.....\$930
 Plastered.....920

Completed.....930
 Usual 35 days.....931
 TOTAL COST, \$3726
 Bond, none. Limit, 90 days. Forfeit none. Plans and specifications filed.

ALTERATIONS, ETC.

PTN LOT 215, Brickland Tract, Menlo Park. All work for alterations to one-story frame dwelling with basement and attic and build garage.
 Owner.....Perry T. Cumberson, Menlo Park.
 Architect.....John K. Branner, 519 California, San Francisco.
 Contractor.....George Jacobsen, Redwood City, Cal.

Filed Sept. 15, '16. Dated Sept. 15, '16.
 Roofed and shingled.....\$112.50
 When plastered.....112.50
 Alterations completed.....112.50
 Usual 35 days.....112.50
 TOTAL COST, \$445.00
 Bond, \$1450 (full amount). Sureties, Geo. Jacobsen and F. Calleson. Limit 65 days. Forfeit, \$3 per day. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED AMOUNT
 Sept. 6, 1916—PTN BLK 16 Map No. 1 of the Town of Burlingame. William Daniels to Wiseman & Leady.....
Aug. 15, 1916
 Sept. 7, 1916—LOT 7 BLK 4 Central Add'n to San Mateo. Edwin O. Charles A and Harry F W Hessler to Croop & Keegan.....Sept. 6, 1916
 Sept. 8, 1916—MOUNTAIN SPRING Ranch near Woodside, (Swimming pool). James Ralph Jr to McLeran & Peterson.....Aug. 28, 1916
 Sept. 8, 1916—MENLO HEIGHTS, Sprague Place. Isabelle D Pool to F W Snook Co.....Sept. 1, 1916
 Sept. 18, 1916—NORTHERLY 1/2 OF Lot 15 BLK 128 South San Francisco Plot No. 1. Antonio Capitelli to G Galotto.....Sept. 16, 1916

LIENS FILED

SAN MATEO COUNTY.

RECORDED AMOUNT
 Sept. 14, 1916—LOTS 43 AND 50, Polhemus Tract, Atherton. American Radiator Co vs W T Casey and Rose E and James G Sharp.....\$136.70

MARIN, CONTRA COSTA AND SONOMA COUNTIES

ROAD IMPROVEMENTS—Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, County Surveyor, Martinez. Owners, Contra Costa County. Bids will be opened on October 9th at 11 a. m. for the furnishing of materials and labor and grading and preparing sub-grade and placing corrugated iron culverts and furnishing materials and placing an oil macadam base on road, beginning at the southwest corner of the property of the C. A. Smith Lumber Co. on the north line of the right-of-way of the Southern Pacific Railway and running east and parallel to the Southern Pacific tracks to a point opposite the Main street in the town of Bay Point at the Southern Pacific depot, a distance of 2,662 lineal feet.

ROAD CONSTRUCTION—Cost not stated. Santa Rosa, Sonoma Co., Cal.

Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Bids will be opened on October 11th at 12 noon for the construction of a road between Cazadero and the mouth of Austin Creek in Austin Permanent Road Division.

ROAD CONSTRUCTION—Cost not stated. Fairfield, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano County. Bids will be opened on October 2nd at 11 a. m. for grading and paving with concrete part of roads No. 87 and No. 252, at Cordelia, Road District No. 3, Solano County. The total length to be improved is about 6,400 feet, and will include concrete culverts and small concrete bridges. Bidders will bid on entire work.

BRIDGE AND CULVERT—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Bids will be opened on October 11th at 12 noon for the construction of a combination truss highway bridge over Sausal Creek on Pine Flat road, and for a highway culvert on Forestville-Sebastopol county road at Harbinger ranch.

BRIDGES, ETC.—Concrete. Cost as follows. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. All bids received by the Sonoma County Supervisors for the construction of a number of bridges and culverts throughout the county have been rejected. The following bids were opened: Comstock Bridge—W. L. Proctor, \$1,829; Call Construction Co., \$1,632.45; Bailey-Comstock Co., \$1,350.50; \$1,357.40; \$1,680.90; \$4,348.80; W. L. Proctor, \$3,769.

Cook Bridge—W. L. Proctor, \$1,071; Call Construction Co., \$1,525.
 Ort Bridge—Call Construction Co., \$1,525; W. L. Proctor, \$1,047.

Green Valley Bridge—Bailey-Comstock Co., \$2,256.30; 50c yard; \$15 per yard concrete, steel 4 1/2c and 4 1/2c; D. E. Albers, \$2,145; No. 2 60c, \$9 per yard concrete, 1/2c, 5/8c, 5 1/2c per pound for steel; W. L. Proctor, \$1,759. No. 2 27c yard ex. No. 3 \$12 per cubic yard concrete, No. 4 4 1/2c for 1/2, 4 1/2c for 3/4 steel; Call Construction Co., \$2,516.35, No. 2 60c yard ex. No. 3 \$16 concrete, No. 4 5c for steel.

Ducker Bridge—Bailey-Comstock Co., \$1,832.10, 80c per yard ex.; D. E. Albers, \$1,500, 50c per yard ex.; W. L. Proctor, \$2,005, 4 1/2c per yard ex.; Call Construction Co., \$1,317.55, 40c per yard ex.

CRUSHED ROCK—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Bids will be received on October 3rd at 5 p. m. for furnishing and delivering to any designated place or places in Santa Rosa or undelivered at the quarry, or crusher in the bunkers, 3,000 cubic yards, more or less, of crushed rock, said rock to be free from all decomposed rock and soil, and to be what is known as Nos. 1, 2, 3, and 4. Separate bids will be received on grades Nos. 1 and 2, on grades 3 and 4, on grades 1, 2, 3, and 4, each grade to be separated in bids. Delivery of rock to be made in such quantities and at times as desired by the City Council.

RESIDENCE—2 story and base, frame. Cost not stated. Mt. Diablo, Contra Costa Co., Cal. Architects, Universal Drafting Bureau, 1844 5th ave-

nur, Oakland. Owner, E. J. Hall. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

SCHOOL—1 and 2 story and base, brick, \$51,000. Martinez, Contra Costa Co., Cal. Architects, Stone & Wright, Stockton. Owner, Martinez School District. Will contain ten class rooms and a large auditorium. Plans complete and figures to be opened on October 28th.

WATER SUPPLY SYSTEM—\$3,000.-000. San Rafael, Marin Co., Cal. Engineer's name not given. Owners, Marin Municipal Water District. Against the vote of four members, the Board of Directors of the Marin Municipal Water District passed a resolution accepting an offer by the Sutherland Construction Co. of Kansas City to purchase the entire \$3,000,000 bond issue and start construction of the Alpine dam.

Contracts Awarded

FIRE ALARM SYSTEM—\$5,000. Martinez, Contra Costa Co., Cal. Engineer, City Engineer, Martinez. Owners, City of Martinez. Contractors, Gamewell Fire Alarm System, 86 3rd street, S. F. Contract price, \$5,000.

STREET IMPROVEMENTS—Cost not stated. Rio Vista, Solano Co., Cal. Engineer, City Engineer, Rio Vista. Owners, City of Rio Vista. Contractors, Johnson-Shea Co., Central Bank Bldg., Oakland. Contract price not stated.

STREET IMPROVEMENT—\$10,721.25. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractor, L. L. Page, 8th and Bissell streets, Richmond. Contract price, \$10,721.25.

SEWER CONSTRUCTION—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Contractors, Woods & Silva, Petaluma. Contract price not stated.

PIPE—Cast iron, \$2,244.45. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Contractors, American Cast Iron Pipe Co., Balboa Bldg., S. F. Contract price, \$2,244.45.

DAM—Reinforced concrete, \$2,000.-000. San Pablo, Contra Costa Co., Cal. Engineer, Engineering Department, People's Water Co., Oakland. Owners, People's Water Co. Contractors, Bates Borland & Ayer Oakland Bank of Savings Bldg., Oakland. Contract price \$2,000,000.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED **ACCEPTED**
Sept. 19, 1916—SAN RAFAEL, Leon F Douglass to Geo W Boston.....
.....Sept. 19, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

RESIDENCE—2 story and base, frame, \$25,000. Visalia, Tulare Co., Cal. Architect, Alvin J. Stern, 206 14th street, Oakland. Owner, B. B. Ludley. Will contain fifteen rooms, five baths, sleeping porch and separate garage. Plans complete and in the hands of the owner who will do the work by Day Labor.

BRIDGE CONSTRUCTION—Steel and concrete. Cost not stated. Fresno. Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. At the last meeting of the City

Trustees on recommendation of City Engineer Cronkite and Street Superintendent Chapin, the Trustees ordered the City Clerk to advertise for bids for the lengthening of concrete bridges over the ditch on California avenue and the construction of a new bridge at Santa Clara and California avenues. The bridges will be lengthened as follows: O and California, 6 feet on each end; G and California, 22½ feet on east end and 14 feet on west end; Isabella and California, 11 feet; East and California, 8 feet east end and 4 feet west end.

LIGHTING SYSTEM—\$10,000. Merced, Merced Co., Cal. Engineer, City Engineer, Merced. Owners, City of Merced. The City Trustees have ordered Consulting Engineer Phillips to prepare plans and specifications for the proposed lighting system.

HOSPITAL ADDITION—2 story, reinforced concrete. Cost not stated. Fresno, Fresno Co., Cal. Architects, Glass & Butner, Republican Bldg., Fresno. Owners, Fresno County. The addition will accommodate about 100 patients. There will be four wards, each complete in itself, having separate diet kitchens, nurses' rooms and bath rooms. An automatic elevator will be included in the equipment. The second floor of the old hospital building is to be remodeled into a tile-finished operating suite. Plans are being prepared.

STORE ALTERATION—Brick. Cost not stated. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Cory Bldg., Fresno. Owner, James Porteous. Location, Tulare and L streets. Work will consist of both interior and exterior alterations, plumbing, plastering carpentry, painting and electric work. Plans are being prepared.

OIL STATION—Concrete and steel, \$15,000. Madera, Madera Co., Cal. Architect, none. Owners, Associated Oil Co. At the last meeting of the City Board of Trustees the Associated Oil Co. was granted a permit to build an oil station on the winery switch west of the creamery. The oil company will erect two 17,000 gallon tanks, one warehouse, one pump house, one four-stall garage, one skid platform 26 by 48 feet, fences, etc.

WAREHOUSE—1 story and base, brick, \$25,000. Fresno, Fresno Co., Cal. Architect, E. Mathewson, Cory Bldg., Fresno. Owners, Fresno Agricultural Works. Location, M street between Tulare and Kern streets, covering an area of 100 by 150 feet. Plans being prepared.

HOTEL AND STORES—4 story and base, brick and steel, \$107,000. Visalia, Tulare Co., Cal. Architect, Ernest Kump, Rowell Bldg., Fresno. Owner, J. Sub Johnson. Trewitt & Shields, Rowell Bldg., Fresno, submitted the lowest of seven bids for the construction of this building. All bids were taken under advisement.

GARAGE—1 story and base, brick, \$12,000. Fresno, Fresno Co., Cal. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owner, Mrs. Lotta R. Krone. Location, Calaveras between I and J streets, covering an area of 60 by 90 feet. Will contain office and garage. Plans being prepared.

Contracts Awarded.

STREET PAVING—Cost not stated. Lindsay, Tulare Co., Cal. Engineer, City Engineer, Lindsay. Owners, City

of Lindsay. Contractors, Worrick Paving Co., Fresno. Contract price not stated.

BUILDING CONTRACTS

FRESNO COUNTY.

PACKING HOUSE
S. P. RESERVATION, Fresno. All work for packing house.
Owner.....Sarraggian.
Architect...None.
Contractor...D. Housepian, 640 L St., Fresno.

COST, \$1900

BRICK CHURCH
LOTS 29 TO 32 BLK 4, First Add'n, Parlier. All work for brick church building.

Owner.....First Methodist Episcopal Church of Parlier.
Architect...None.
Contractor...E. Benson & John Ingels. Filed Sept. 18, '16. Dated Sept. 2, '16.
Monthly payments of.....75%
Usual 35 days.....\$3487.50

TOTAL COST, \$13,950.00
Bonds, \$3487.50 and \$6975. Sureties, A. T. Carlson, A. W. Sward and L. J. Olsen. Limit, 130 working days. Forfeit, none. Plans and specifications filed

DWELLING
LOTS 1, 2, 3 BLK 8 La Sierra Tract, Fresno. All work for dwelling.

Owner.....Central California Land & Improvement Co., 953 I St., Fresno.
Architect...None.
Contractor...R. C. Blackwell, 227 Coast St., Fresno.

COST, \$5500

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED **ACCEPTED**
Sept. 20, 1916—LOTS 14, 15, 16 BLK 5, Fresno. Helvezia Mounini to whom it may concern...Sept. 20, 1916
RECORDED **ACCEPTED**
Sept. 20, 1916—LOT 2½ LOT 2 BLK 2, Altamont Addition, Fresno. A M Fassett to whom it may concern...Sept. 20, 1916
Sept. 16, 1916—LOTS 65 AND 66 BLK 1, Yosemite Addition, Fresno. W J Mitchell to whom it may concern...Sept. 15, 1916

LIENS FILED

FRESNO COUNTY.

RECORDED **AMOUNT**
Sept. 20, 1916—LOTS 9 AND 10 BLK 13 Blackstone Villa, Fresno. J A Warrick vs Wm Wakefield et al...\$71

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

STREET IMPROVEMENT—Cost not stated. Woodland, Yolo Co., Cal. Engineer, City Engineer, Woodland. Owners, City of Woodland. The Board of Trustees has ordered bids received for the improvement of Elm street from Main to Pendegast, and Third street from Main to Marshall. Plans may be had from the City Clerk.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for

street improvements have been awarded under the following resolutions: That Sacramento avenue, from Madrone avenue and 35th street to the north line of Cypress avenue, be improved by constructing concrete curb; concrete gutter; 6-inch, vitrified, ironstone sewer pipe drains; placing one 6-inch vitrified ironstone Y branch on 8-inch sewer pipe in place; grading the space between the property line and curb; constructing concrete sidewalk; placing two cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached; reconstructing two concrete manholes; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to Clark & Henry, Ochsner Bldg., Sacramento.

That Crandall Lane, from J street to the north line of Carnell avenue, be improved by constructing concrete curb, concrete gutter; 6 and 8-inch, vitrified ironstone sewer pipe drains; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; concrete manholes; placing 6 and 8-inch, vitrified, ironstone Y branches and 8-inch, vitrified, ironstone pipe sewer; facing 85 linear feet of concrete curb now placed with cement mortar; grading the roadway from the south line of J street to the north line of Carnell avenue and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to Clark & Henry Construction Co., Ochsner Bldg., Sacramento.

That the alley between Dwight Way and Channing Way, from P street to Wright & Kimbrough Subdivision No. 20 to the north line of lot M in Wright & Kimbrough Subdivision No. 20, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer; placing 32 6-inch, vitrified, ironstone Y branches on 8-inch, vitrified, ironstone pipe sewers; two concrete manholes. Awarded to J. W. Terrill, 1111 29th street, Sacramento.

BRIDGES—Concrete. Cost not stated. Auburn, Placer Co., Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. The County Supervisors have rejected all bids for the construction of the Yankee Slough bridges and new bids have been ordered to be opened at the October meeting. Plans and further information may be had from the County Clerk.

BRIDGES—2, reinforced concrete, \$7,500. Marysville, Yuba Co., Cal. Engineer, County Surveyor, Marysville. Owners, Yuba County. Bids will be opened on October 3rd at 10 a. m. for the construction of three concrete bridges located as follows: Extension Parks Bar bridge on road to Smartsville, Yuba River, 50 feet 11 inches in length. J. Losey bridge on road to Smartsville, one mile from Parks Bar bridge at the J. Losey roadhouse, 19 feet in length. Smith bridge on Ban-

gor road, 6½ miles from Marysville, 43 feet 1 inches in length.

BRIDGE—Concrete and steel. Cost not stated. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Bids will be opened on October 10th at 2 p. m. for the construction of a highway bridge across Ohman Creek 3 miles south of Phillipsville, in Road District No. 2.

STREET IMPROVEMENTS—Cost not stated. Sacramento Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That the alley between first north of First avenue in West Curtis Oaks from Freeport road to the alley next west of 24th street; the alley first south of Freeport road and north of First avenue and the right-of-way through lot 8, Highland Park, from the alley south of Dallas avenue to the alley north of First avenue, be improved by excavating a trench in each of said alleys and right-of-way and constructing therein an 8-inch, vitrified, ironstone pipe sewer and 56 6-inch, vitrified ironstone Y branches; constructing 6 concrete manholes complete with cast iron curbs and covers, and backfilling the trenches. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

That the alley between F street and G street and between Mont Clair avenue and 42nd street in Mont Clair, be improved by constructing therein 8-inch, vitrified, ironstone pipe sewer; a concrete manhole complete, placing 32 6-inch, vitrified, ironstone Y branches with covers, and doing all necessary excavating and backfilling of trenches. Awarded to J. W. Terrill, 1111 29th street, Sacramento.

RESIDENCE — 2 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, I. B. Mattson, 2817 K street, Sacramento. Location, 511 28th avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,500. Sacramento, Cal. Architect, none. Owner, W. D. McKay, 417 19th street, Sacramento. Location, lot 8, North Sacramento. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$1,000. Fall River Mills, Shasta Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Alvin Florin. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

Contracts Awarded.

STREET PAVING—\$7,621.46. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors, Paul & Caldwell, Stockton. Contract price, \$7,621.46.

BATH HOUSE—1 story, frame, \$6,848. Lodi, San Joaquin Co., Cal. Architect's name not given. Owners, City of Lodi. Contractors, Philbrick and Colvin, Lodi. Contract price, \$6,848.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

DWELLING

FIRST AVE, Lot 9, Curtis Oaks, Sacramento. Two-story 7-room concrete dwelling and garage. Owner.....Ed. Reese 810 27th St., Sacramento. Architect ...None.

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

— ETC. —

Sacramento Plumbing Supply Co.

Phone Main 993 515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what kind of Hardwoods. Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

511th & Brannan Sts.

San Francisco

Contractor...R. M. Smith, 2017 18th St.
Sacramento.
COST, \$4100

FRAME DWELLING

NO. 511 TWENTY-EIGHTH ST., on N ½
of S ½ Lot 1 E, F, 28th and 29th Sts.,
Sacramento. One-story frame dwlg.
Owner.....L. B. Mattson, 2817 K St.
Sacramento.
Architect...None.
Day's work. COST, \$1200

REPAIRS

NO. 1209 Q ST., Sacramento. General
repairs to building.
Owner.....G. Marikovich, Premises.
Architect...None.
Day's work. COST, \$1000

FRAME DWELLING

NO. 1104 Q ST., W 39 feet on 66 feet Lot
1 Q, R, 11th and 15th Sts., Sacramento
Two-story frame dwelling.
Owner.....Mrs. D. Ankle, 724 L St.
Sacramento.
Architect...None.
Contractor...A. W. Norris, 3012 G St.
Sacramento.
COST, \$750

FRAME DWELLING

NO. 1408 Q ST., E 41 ft of W 66 feet Lot
1 Q, R, 11th and 15th Sts., Sacramento
Two-story frame dwelling.
Owner.....Mrs. D. Ankle, 724 L St.
Sacramento.
Architect...None.
Contractor...A. W. Norris, 3012 G St.
Sacramento.
COST, \$750

FRAME DWELLING

NO. 1709 FOURTEENTH ST., on N 32
feet of S 94 feet Lot 1 Q, R, 14th and
15th Sts., Sacramento. Two-story
frame dwelling.
Owner.....Mrs. D. Ankle, 724 L St.
Sacramento.
Architect...None.
Contractor...A. W. Norris, 3012 G St.
Sacramento.
COST, \$750

FRAME DWELLING

NO. 1711 FOURTEENTH ST., on N 32
feet S 62 Lot 1 Q, R, 14th and 15th
Sts., Sacramento. Two-story frame
dwelling.
Owner.....Mrs. D. Ankle, 724 L St.
Sacramento.
Architect...None.
Contractor...A. W. Norris, 3012 G St.
Sacramento.
COST, \$750

FRAME DWELLING

NO. 1715 FOURTEENTH ST., on S 26
feet Lot 1 Q, R, 14th and 15th Sts.,
Sacramento. Two-story frame dwlg.
Owner.....Mrs. D. Ankle, 724 L St.
Sacramento.
Architect...None.
Contractor...A. W. Norris, 3012 G St.
Sacramento.
COST, \$750

ADDITION

UPPER STOCKTON ROAD, Sacramento
One-story addition to office building
Owner.....Standard Oil Co. of Cali-
fornia, Bush and Sansome
Sts., San Francisco.
Architect...None.
Contractor...W. T. Murcell, Ochsner
Bldg., Sacramento.
COST, \$6000

ALTERATIONS

NO. 307 EIGHTEENTH ST., on S ½ on
N ½ Lot 1 C, D, 18th and 19th Sts.,
Sacramento. Build flat underneath
residence.

Owner.....Mary Lantz, 321 18th St.
Sacramento.
Architect...None.
Contractor...Thos. B. Hunt, 2926 S St.
Sacramento.
COST, \$900

DWELLING

NO. 2509 V ST., on N ½ Lot 7 U, V, 25th
and 26th Sts., Sacramento. Five-room
dwelling.
Owner.....John Kamunisky, 420 Q St.
Sacramento.
Architect...None.
Contractor...E. E. Sydenstricker, 2500
O St., Sacramento.
COST, \$2165

DWELLING

LOT 198 W & K NO. 10, Sacramento.
Six-room dwelling.
Owner.....F. Lagomarsino, R. F. D.
No. 182, Sacramento.
Architect...None.
Contractor...W. Sampson.
COST, \$2100

ADDITION

NO. 52 CLUNESS ST., on W & K Tract
No. 21, Sacramento. Add three rooms
and sleeping porch.
Owner.....C. Williams, Premises.
Architect...None.
Day's work. COST, \$1800

DWELLING

EAST LAWN, Sacramento. Three-room
dwelling.
Owner.....East Lawn Cemetery As-
sociation.
Architect...None.
Contractor...F. A. Fonle.
COST, \$750

OIL TANK

NO. 2730 L ST., Sacramento. Install
1500 gallon oil tank for three-story
and basement Class "C" lodge build-
ing.
Owner.....Scottish Rite Cathedral
Association, Premises.
Architect...Carl Werner, Phelan Bldg.
San Francisco.
Contractor...Ideal Heating & Eng. Co.,
192 Genry, San Francisco.
COST, \$300

DWELLING

LOT 8 N ¼, Sacramento. All work
for six-room dwelling.
Owner.....W. D. McKay, 417 19th St.,
Sacramento.
Architect...None.
Day's work. COST, \$2500

ALTERATIONS

NO. 1412 FOURTH ST., Sacramento. All
work to build story under house.
Owner.....Mrs. Morris Levy, 208 K
St., Sacramento.
Architect...None.
Day's work. COST, \$2200

ALTERATIONS

NO. 326 N ST., Sacramento. Erect
story under house.
Owner.....Mrs. Morris Levy, 208 K
St., Sacramento.
Architect...None.
Day's work. COST, \$800

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

(Correction in County)

FRAME FLATS
SE COR. JEFFERSON AND GRANT,
being Lot 1 Blk 91 S of Mormon
Stockton. All work for frame build-
ing (4) flats.

Owner....C. J. Ryland, 3036 Fremont
St. and C. B. Comfort Jr.
146 W-Flora St., Stockton.
Architect...C. J. Ryland, 12-15 I. O. O.
F. Bldg., Stockton.

Contractor...H. E. Vickroy
Filed Sept. 15/16. Dated Sept. 14/16.
Rough frame up.....\$1088.00
Enclosed and roof on.....1000.00
Rough plumbing and plastering
completed.....800.00
Inside finish completed.....437.50
Usual 35 days.....1108.50
TOTAL COST, \$1431.00

Bond, \$2217. Sureties, W. H. Post and
Joe L. Warner. Limit, 75 days. For-
feit, none. Plans and specifications filed

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED
Sept 18, 1916—N 60 FEET LOT 7, E,
C, 18th and 19th and Lots 1 and 2,
B, C, 18th and 19th Sts., Sacramen-
to. California Almond Growers'
Exchange (3 completion notices
filed)Sept. 5, 1916

LOS ANGELES AND SOUTHERN CALIFORNIA

STREET PAVING—Cost not stated
Orange, Orange Co., Cal. Engineer
County Surveyor, Orange. Owners
Orange County. Bids will be opened
on October 4th at 2 p. m. for the con-
struction of a 4-inch 16-foot wide con-
crete pavement on Myford road, ex-
tending from State highway northeast
a distance of about three-fourths of a
mile. Under these specifications the
County of Orange will furnish the nec-
essary sand, crushed rock, gravel and
cement, f. o. b. cars nearest freight
siding to said work.

FOUND BUILDING—1 and 2 story
concrete and frame, \$20,500. Los An-
geles, Cal. Architect, John J. Frauen-
felder, Story Bldg., L. A. Owner, A. G.
Hemming. Location, Alameda street
from 16th to 17th street. The buildings
will be of reinforced concrete, hollow
tile, brick and frame construction, and
will include eight kennels, 16 runs, of-
fice building, bungalow, stables, three
asphyxiating rooms, storage building,
kitchen, refrigerating rooms, etc. The
work will also include the construction
of approximately 3,000 feet of wire
fence. Plans being prepared.

BREWERY ALTERATIONS — Brick
\$20,000. Los Angeles, Cal. Architects,
Mayberry & Parker, Pacific Electric
Bldg., L. A. Owners, Los Angeles
Brewing Co. Location, 1929 North
Main street. The work will include
the construction of a new cellar, fire-
proofing columns and beams in an ex-
isting building, replacing wooden floors
with reinforced concrete, new stair-
ways, new roof, etc. Plans being pre-
pared.

CITY HALL—2 story and base, brick
\$30,000. Van Nuys, Los Angeles Co.,

Cal. Architect, J. J. Backus, City Hall, L. A. Owners, City of Los Angeles. Designed for a branch city hall and will contain the offices of the city officials of Van Nuys, vaults, etc. Plans complete and figures to be opened on October 2nd. Plans can be secured from the architect.

HOSPITAL—1 and 2 story and base, reinforced concrete, \$50,000. Santa Barbara, Santa Barbara Co., Cal. Architects, Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Santa Barbara County. Preliminary plans are being prepared for a new County Hospital. Details will be given when working drawings have been started.

DRAINAGE CANAL—Cost not stated. Los Angeles, Cal. Engineer's name not given. Owners, Dominguez Estate Co., Title Insurance Bldg., L. A. Bids will be received by the Dominguez Estate Co. up to midnight October 3rd, 1916, for the construction of a drainage canal for conveying the surface waters of Nigger Slough to a point at or near Watson Station on the Pacific Electric line to San Pedro. Plans and specifications may be obtained at the office of the company. The approximate quantities of work required are: 147,500 cubic yards of excavation, 400 lineal feet of 5-inch concrete pipe, 30 yards of plain concrete for wing walls. Certified check for \$3,000 is required. George H. Hand is the engineer. The length of the canal will be 21,000 feet, with a maximum cut of 18 feet, base of canal 10 feet with one side slope. Average cut about 10 feet. Estimated wet excavation, 17,500 cubic yards; dry excavation, 120,000 yards. The canal will drain about 1,800 acres and will provide an outlet for the storm waters of the Gardena district.

WATER SYSTEM—Cost not stated. Los Angeles, Cal. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Sealed bids will be received by the Board of Supervisors of Los Angeles County until 2 p. m. October 21, 1916, for furnishing and installing a water system for Los Angeles Water Works District No. 2, in accordance with plans and specifications on file with said Board of Supervisors. Separate bids will be received for the sinking of the well, for the deep well pumping system and for the piping, etc. It is proposed to sink a 12-inch well approximately 400 feet deep, to be cased with No. 12 gauge double stovepipe casing. An alternate bid will be received for sinking a well by rotary process, furnishing 12-inch screw casing. The pumping system will consist of a deep well turbine pattern centrifugal pump with enclosed propellers, or a duplex well pump with Lutwiler type pump, pump to be capable of delivering 300 gallons of water per minute, the total lift being 90 feet. Pump is to be motor driven. The piping required will include 3,200 feet of 8-inch and 16,000 feet of 4-inch wood stave pipe, 2-inch circulating line, cast iron fittings, etc. There will be a 50,000 gallon wood stave tank on a 50-foot wooden tower resting on concrete piers.

THEATRE AND OFFICES—6 story and base. Class A construction, \$600,000. Los Angeles, Cal. Architect, Albert C. Martin, Higgins Bldg., L. A. Owners, Stability Building Co., Inc., incorporators: E. P. Clark, A. P. Johnson, Homer Laughlin, F. W. Flint, C. C.

Chapman, L. F. Kelly, J. R. Clark, Frank Clark and R. A. Rowan. Location, southwest 3rd and Broadway, covering an area of 120 by 198 feet. Further mention will be made of this work as the plans progress.

Contracts Awarded.

HIGHWAY BRIDGE—Steel and concrete, \$124,650. Santa Barbara Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, Mercer-Fraser Co., First and G streets, Eureka. Contract price, \$124,650.

CHURCH—1 story and base, brick, \$35,000. Glendale, Los Angeles Co., Cal. Architect, Arthur G. Lindley, Hollingsworth Bldg., L. A. Owner, First Methodist Episcopal Church. Contractor, T. H. Addison, 316 Belmont street, Glendale. Contract price, \$35,000.

DAIRY—1 and 2 story and base, frame, \$20,500. Los Angeles, Cal. Architect, W. J. Dodd & William Richards, Brockman Bldg., L. A. Owner, J. M. Danziger. Contractor, C. G. Goldthwaite, Marsh-Strong Bldg., L. A. Contract price, \$20,500.

LIBRARY—2 story and base, reinforced concrete, \$39,938. Santa Barbara, Santa Barbara Co., Cal. Architect, W. Wilson, 717½ State street, Santa Barbara. Owners, City of Santa Barbara. Contractors, W. E. Kier Construction Co., San Diego. Contract price, \$39,938.

PORTLAND AND OREGON

VIA DUCT—Reinforced concrete, \$750,000. Portland, Ore. Engineer, City Engineer, Portland. Owners, City of Portland. The Council has adopted a resolution authorizing an invitation for contract figures for the proposed O.-W. R. & N. East Side grade crossings. The official call will probably be published November 6th, to close December 6th. The work involves the erection of various reinforced concrete viaduct structures spanning the railroad company's lines through Sullivan's Gulch.

HOTEL—3 story and base, rock and frame, \$80,000. Bend, Ore. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Pilot Hotel Co. Will cover a considerable ground area and contain 120 rooms and baths. Plans being prepared.

NATATORIUM—2 story and base, reinforced concrete, \$25,000. Portland, Ore. Architects, Root & Kerr, Henry Bldg., Portland. Owner, Mr. Woodward. Will include a pool 50 by 90 feet lockers and dressing rooms and a balcony for the spectators. Plans being prepared.

BAKERY—1 story and base, brick, \$25,000. Salem, Ore. Architect, Fred A. Legg, Salem. Owners, H. F. Rittman and J. A. Wright. Will contain office, sales room and shop. Plans being prepared.

Contracts Awarded.

RAILROAD CONSTRUCTION—\$200,000. Portland, Ore. Engineer's name not given. Owners, Oregon-Washington Railroad and Navigation Co. Contractors, Twoby Bros., Portland. Contract price, \$200,000.

SEATTLE AND WASHINGTON

BAKERY—1 and 2 story and base, brick and concrete, \$30,000. Seattle, Wash. Architects, Bebb & Gould, Denny

Bldg., Seattle. Owners, Davidson Baking Co. Location, 13th avenue and Columbia street. The entire plant, of which this building will be the first unit will cost \$100,000. Plans for the first unit are nearly complete and figures will be called for shortly.

Contracts Awarded.

APARTMENT HOUSE—3 story and base, brick and frame, \$25,000. Seattle, Wash. Architect, F. H. Perkins, Lumber Exchange Bldg., Seattle. Owner, P. J. Tetzner. Contractor, John Dybdahl, 1358 Lakeview Boulevard, Seattle. Contract price, \$25,000.

HOTEL AND STORES—3 story and base, brick and steel, \$35,000. Seattle, Wash. Architects, Thompson & Thompson, Mutual Life Bldg., Seattle. Owners, Fruenthal Bros. Contractor, John Kaufman, 612½ 3rd avenue, Seattle. Contract price, \$35,000.

SCHOOL—4 story and base. Class A construction, \$196,600. Seattle, Wash. Architect, Edgar Blair, Seattle. Owners, City of Seattle. Contractors, Jenkins and Jones, Hinckley Bldg., Seattle. Contract price, \$196,600.

UNIVERSITY'S NEW FORESTRY DEPARTMENT TO TAKE UP LUMBER PROBLEMS.

The twenty-eight million acres of forest in California bristle with problems for investigation. The University of California has now completed the organization of a new Department of Forestry in order to try to help solve them.

Efficiency methods in logging need to be developed by stop-watch observations and motion studies. To reduce the cost of logging by ten cents per thousand board feet would save \$125,000 a year, or an increase in the value of California timber of \$38,000,000.

Nobody knows yet how fast California trees grow. The Division of Forestry wants to find out, so that the State, counties, towns and railroad, lumber, and water and power companies can devise wise policies for growing permanent crops of timber on the vast acreage unsuited for other purposes.

"Volume-tables" need to be compiled showing the contents of standing trees of various sizes and species. Such tables do not yet exist.

The University wants to train specialists in tropical forestry, to solve the problems of the vast forests of Central and South America and the Orient—storehouses of untouched wealth.

It was in response to urgent demands from the lumber interests of California and from the Pacific Logging Congress that the University of California organized its Division of Forestry, with a faculty of two Professors of Forestry, Walter Mulford and David Townsend Mason, and three Assistant Professors, Donald Bruce, Merritt B. Pratt, and Woodbridge Metcalf.

The announcement of the new courses in forestry, just issued by the University and obtainable by writing to Dean Thomas F. Hunt of the College of Agriculture, at Berkeley, shows that besides a four-year course in general forestry the University has started this year a new course in forest engineering. The former will train men for work in the National Forests or in

forests privately owned, and the "Forest Utilization" course for the lumber business. Each gives a thorough training in forestry, with much field work. The general forestry course is based on the fundamental biological sciences, while the forest utilization course emphasizes mathematics, physics, mechanics, and other special training for forest or logging engineers. Students may, if they wish, take a five-year combined course.

A new "Short Course" is to be given from January 15 to April 7, with training for rangers, fire-guards, and employees of lumber companies in surveying and mapping; forest administration, improvements, protection, and mensuration; silviculture, logging, and grazing; and lectures by the U. S. Forest Service officers.

All the forestry students are to have much practical training out in the forest. A summer camp will be maintained, for eleven weeks every year where students will be drilled in timber-estimating, forest-mapping, scaling, the study of tree growth, wood-manship, and the planning of logging operations.

Wonderful opportunities are available in California for practical field work. There is as much forest in California as farm land. The twenty-eight million acres of forest in California contain approximately 380 billion board feet. Because of the heavy rain-fall and long growing season, California timber grows with unusual rapidity and to unusual size. The twenty million acres of national forest in the eighteen National Forests in California are now devoted to the permanent production of timber. While a billion and a quarter feet of lumber are cut in California annually, it would take three hundred years to exhaust the present virgin supply, even making no allowance for growth. The University predicts a great expansion of the lumber industry and an increasing demand for highly-trained foresters and forest engineers.

The University itself owns five thousand acres of virgin redwood, in Humboldt county, given by Mrs. Hooper as an endowment for the George Williams Hooper Foundation for Medical Research; the 320 acres of "Whitaker's Forest," containing an excellent stand of "big trees," where forestry investigations are being carried on by the University; and near the Berkeley campus are several thousand acres of privately-owned plantations of eucalyptus and conifers which are among the largest and oldest tree-plantations in the western United States.

The forestry department is already well equipped and has a good library. Excellent engineering facilities are afforded by the department of mechanical, electrical, and civil engineering. In Hilgard Hall, the new agricultural building now being built from the University Building Bonds, will be spacious quarters for the Division of Forestry, including laboratories for general forestry, forest utilization, and wood technology, drafting and blueprint rooms, a herbarium, five rooms for research, an instrument room, supply-rooms, and six offices. The forestry student enjoys also all the varied privileges of the University in the way of scientific laboratories, library, infirmary, gymnasium, athletic fields, and stimulating association with the more than six thousand other students.

NEW THEATRE ORDINANCE IN VALPARAISO.

A general ordinance governing the construction, lighting, and ventilation of theatres and buildings for moving pictures, circuses, and other public spectacles in Valparaiso, was published in the Chilean Diario Oficial for July 26. The ordinance gives detailed regulations for the installation of electric lighting and for hygienic and safety provisions. Theatres now in operation are given five months to comply with the new ordinance.

WATER PLANT PAYS.

CORNING (Tehama Co., Cal.)—Corning's municipal water system made a clear profit of \$2,100 in 1915, and the present year promises an increase. In 1914 the profit was \$2,400.

Plant Cost \$70,000.

The water-works cost the city about \$70,000. The supply will average about 150 feet in depth. The water has been analyzed by the State Health Department and pronounced first class. The temperature is about 60 degrees as it comes from the wells.

Tank 100,000 Gallons Capacity.

The city is supplied by a tank of 100,000 gallons capacity, giving an average pressure of forty-five pounds. The fire pressure is obtained by pumping direct into the mains, a pressure of 135 pounds being possible.

There are thirteen miles of water mains and 118 fire hydrants.

BUILDING METHODS IN ITALY.

In spite of war conditions there is considerable building being carried on in Naples. Apartment houses are being erected in the Vomero, Piedegrotto, Torretto, and other sections, one of the finest being in course of erection near the center of the city on reclaimed ground. The contracts for these works, however, were all let before the European hostilities began.

Construction work in Italy is different from that in the United States, the only point of resemblance being in the use of the steel and iron girders for strengthening the floors of buildings. Window frames, doors, and shutters are all made by hand. American flooring and trimmings are used, but up to the present American builders' hardware and plumbing goods have not been able to compete.

Purchase your equipment direct from the manufacturer.

40 per cent Saved

Concrete Mixers.
Pavers.

Asphalt Plants and Tools.
Rollers

Tanden and Macadam
Concrete Carts.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Phone Market 1675 San Francisco

Cut this out and mail to-day

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News
560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and
will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 40.

Publication Office,
500 Mission St.

San Francisco, Cal., October 4, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for
Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

**PYROPHOR is a
Tool Steel** which

is almost indestructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors.
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"

**Automatic
Gas Water Heater**

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

FRED H. BOGGS

Fire Insurance

62 POST STREET

Room 321 Foxcroft Bldg.,

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2807
Oakland, Oakland 5941

THE
**Safe Deposit Vaults
of the
BANK OF ITALY**

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

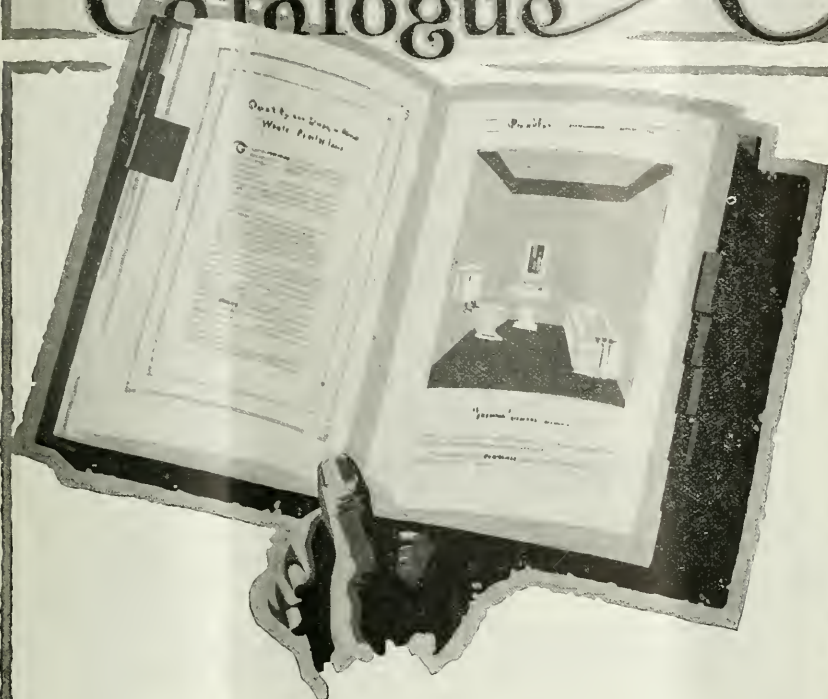
Frank J. Klimm
PLUMBER

221 OAK STREET

Ret. Cough and Octavia

SAN FRANCISCO, CAL.

Announcing Catalogue C



Catalogue C is miles ahead of any other catalogue.

We've combined in it a dozen or more new ideas.

It has every section classified with index tabs on the sides, so you can find what you are looking for in a second.

And it's a convenient size, six inches by nine.

You'll find Catalogue C invaluable. Drop us a line and we will mail you a copy.

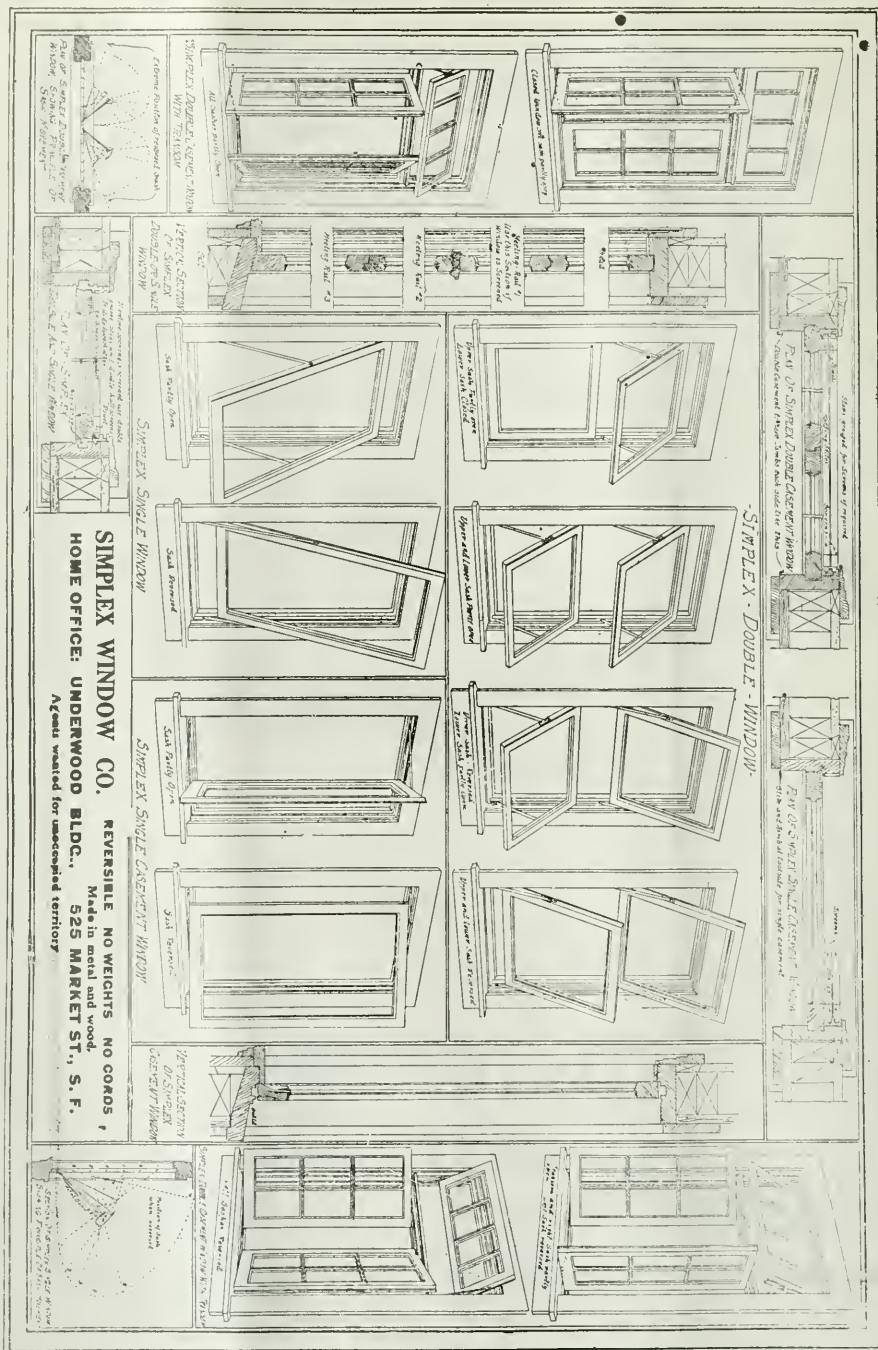
"Pacific"



Plumbing Fixtures

Main Offices and Showroom.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. October 4, 1916

Sixteenth Year, No. 40



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
J. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	1
Apartment Houses.....	4
Bonds.....	4
Bridges, Dams & Harbor Work.....	1-5
Churches.....	5
Editorial Comment.....	3
Factories and Warehouses.....	5
Flats.....	5
Fresno, Modesto, Stanislaus and Central California.....	26
Government Work and Supplies.....	5
Hospitals.....	5
Hotels.....	5-6
Irrigation and Reclamation Pro- jects.....	6
Libraries.....	6
Los Angeles and Southern Cali- fornia.....	28
Marin, Contra Costa and Sonoma Counties.....	25-26
Oakland and Alameda County.....	19 to 24
Portland and Oregon.....	28
Post Offices.....	6
Power Plants & Water Systems.....	6
Railroad Construction and Equip- ment.....	6-7
Residences.....	6-7
Sacramento, Stockton and North- ern California.....	26-27-28
San Francisco.....	11 to 19
San Jose & Santa Clara Valley.....	28
Schools.....	24-25
Sealed Proposals.....	9-10
Seattle and Washington.....	28
Sewers and Street Works.....	8-9
Stores and Offices.....	9

VOTE FOR MORE HIGHWAYS.

The committee on highways of the Commonwealth Club of California has made a report on the state highways now being constructed and on the proposal to vote another bond issue of \$15,000,000 for highway purposes. The club in 1910 disapproved of the \$18,000,000 now going forward, but the report of the committee presented recently favors going ahead.

"Having gone into the highway building on an extensive scale," says the report, "it will be very unwise to interrupt this work or to stop it. There is no doubt in the minds of the committee that haphazard methods of providing inadequate roadways through all the past years have swallowed up many millions of dollars, and by this antediluvian system we would continue to do the work in the same slipshod way of anything to show for the expended millions. Therefore, let us adhere to the principle of carrying on this great work until it is done, but let us see to it that the system of highways to be given the state is what they want.

"If the present highways have proved too narrow in populous districts, widen them. If certain topplings have proved unsatisfactory, remove them and put on a more approved surface. If the concrete base has proved too thin, correct the error. Close up the gaps, in order to make the two great trunk lines continuous, complete and in every way adequate for the service, and if need be, construct the main lines of the most approved type. Do this first and then with the money left over, build the branch roadways, the laterals, the new connections, and continue to work into districts that have not been reached."

The cost of the work, according to the figures of the club's committee is as follows, due and payable before the end of the year 1922:

Original bond	issue of 1910..	\$18,000,000
Interest thereon.	20,160,000	\$38,160,000

New bond issue of	1915	\$15,000,000
Interest thereon.	17,212,500	\$32,212,500

Total	\$70,372,500
-------------	--------------

The report finds that the state has a 900 mile coast highway and a 620 mile central valley highway in the course of construction. In this there are gaps aggregating 160 miles, or 26 per cent of the distance in the coast road and 270 miles or 30 per cent in the valley road. In addition, it found 100 miles on the coast line and 135 miles of the valley line "graded or uncompleted." Although these uncompleted portions may be finished under the existing bond issue, expenditures thus far are found to be apportioned as follows:

	Per cent.
Materials and construction.....	\$4.32
Stores and equipment.....	1.19
Preliminary or advance surveys.....	1.90
Surveying and inspection.....	8.18
Administration	4.41

100.00

The average cost of all highways, including overhead, is given at \$12,000 per mile, exclusive of the three-mile Tolo causeway which cost \$400,000 to build. The average cost of concrete highway, with overhead, is put at \$16,000 per mile. These figures do not include right of way, or cost of bridges.

"These highways," the report says, "are expensive, but if they give us what we want and what we need, then the expenses and the expense is an investment which will bear fruit in the rapid development of the state."

EAT PASTEURIZED BUTTER.

Many creameries in California are already making their butter from pasteurized cream, according to the California State Board of Health, although the new milk law will not go into effect before the first of October. This law not only requires that all milk sold be either pasteurized or come from non-reacting tuberculin tested cows, but it requires also that all butter must be made from pasteurized cream and be labeled "Pasteurized," unless the product used in its manufacture come from non-reacting tuberculin tested cows.

By purchasing butter labeled "Pasteurized," however, the consumer will be able to protect himself not only against tuberculosis but against other diseases as well. Dr. W. A. Sawyer, Secretary of the California State Board of Health, says that it is inconsistent to give a child the safest possible milk supply and at the same time feed it with infected butter. It is anticipated that after the new milk law has begun working, nearly all butter produced in the State will be manufactured under the pasteurization requirements. Doctor Sawyer advises consumers to buy pasteurized butter in preference. Before purchasing butter for your family, look for the word "Pasteurized" on the carton.

NEW SIESTA HIGHWAY.

REDDING, Cal.—Forest Superintendent R. F. Hammatt of Sisson appeared before the supervisors requesting a \$15,000 road from Big Bend bridge at Elena to Peck's bridge at Cayton valley, a distance of about 20 miles. Hammatt stated that under the law 45 per cent of the receipts of the forest reserve will go to the counties in which the reserve lies. Hammatt wanted the supervisors to give \$2000 a year for four years for the road, he promising to see that the government gave a like amount.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 1 story and base, Class C construction, \$25,000. Architects, Falch & Knoll. Hearst Bldg., S. F. Owner, William Smith. Location, Jones between Sutter and Bush streets, covering an area of 25 by 120 feet. Will contain eight apartments of four rooms and bath. Plans complete and figures being taken.

FERKIPLEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, brick, \$10,000. Architects, Richardson & Burrell. Oakland. Owner's name withheld. Location, Durant near Telegraph. Will contain 21 apartments of two, three and four rooms. Plans nearly complete and work to be carried on under the direction of Sommarstrom Bros., 202 East 12th street, Oakland.

OAKLAND, CAL.—Apartment house, 6 story and base. Class A and Class C construction, \$175,000. Architects, Richardson & Burrell. Albany Bldg., Oakland. Owners, Sommarstrom Bros., 24th and Telegraph avenue, Oakland. Location 22nd and Broadway, covering an area of 106 by 165 feet. Will contain 150 rooms arranged in two and three room apartments. Twelve stores will occupy the first floor. Plans are complete and figures are being taken for the steel, fireproofing and elevator work. Bids on other parts of the work will be taken shortly.

SAN FRANCISCO—Apartment house, 4 story and base, Class C construction, \$25,000. Architects, Falch & Knoll. Hearst Bldg., S. F. Owner, J. B. Schroeder. Location, west Leavenworth north Post, covering an area of 15 by 87½ feet. Will contain 32 rooms arranged in suites of four rooms and bath. Preliminary plans prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$17,000. Architect, O. R. Thayer, 210 Montgomery street, S. F. Owner's name withheld. Location, northeast 8th avenue and California. Will contain nine apartments. Plans complete, bids in and under advisement.

SAN FRANCISCO—Apartment house, 3 story and base, Class C construction, \$25,000. Architect, A. W. Burgin, 30 Woodland avenue, S. F. Owner's name withheld. Location, Powell south Jackson, covering an area of 48 by 60 feet. Will contain 20 suites of two rooms each. Plans complete and figures being taken.

LOS ANGELES, CAL.—Apartment house, 2 story and base, Class C construction. Cost not stated. Architect, H. M. Patterson, O. T. Johnson Bldg., L. A. Owner, J. G. Warren. Location northeast Hollywood Boulevard and Vermont street, covering an area of 150 by 20 feet. Will contain five stores and nine apartments. Plans being prepared.

Contracts Awarded.

EUREKA, HUMBOLDT CO., CAL.—Apartment house, 3 story and base Class C construction, \$34,791. Architects, Koenig & Christiansen, Humboldt

Bank Bldg., S. F. Owners, Daly Bros Contractor, Louis Halvorsen, 2036 E street, Eureka. Contract price, \$34,791.

BONDS

MARYSVILLE, YUBA CO., CAL.—The \$15,000,000 State highway bond issue was endorsed by the Northern California Editorial Association in convention here.

ANDERSON, SHASTA CO., CAL.—An election has been called by the Trustees of the Anderson High School to vote bonds of \$60,000 for the purchase of a site, the erection of a school and for furnishing the structure.

MERCED, MERCED CO., CAL.—The County Supervisors have passed resolutions vacating the Los Banos School bonds of \$63,000. The issue was lost by default.

The Supervisors have sold the \$10,000 issue of the Dos Palos School bonds, which will finance the construction of a new school for the district.

NEWPORT BEACH, ORANGE CO., CAL.—The \$100,000 bond issue for building a jetty and the \$25,000 issue for dredging the Newport Bay were carried by a vote of 291 to 20.

The proposed work includes a jetty 2,000 feet long running from the eastern peninsula to Newport, while the dredging will dig an undersea canal from north of the bay to Newport, a distance of two miles.

LIVE OAK, SUTTER CO., CAL.—At a meeting of the Live Oak Chamber of Commerce the proposed bond issue for \$320,000 to erect a county hospital and building four bridges in various places throughout the county, was endorsed.

SAN JACINTO, RIVERSIDE CO., CAL.—The Chamber of Commerce has called a meeting of citizens to discuss the paving of the streets of the town. A bond issue of \$30,000 is planned to cover the cost of the work.

DANVILLE, CONTRA COSTA CO., CAL.—The San Ramon Valley High School District bonds of \$15,000 carried by a large majority. A new building will be erected from the proceeds of the sale of the bonds.

COLUSA, COLUSA CO., CAL.—A bond issue has been called for October 18th, to vote bonds of \$65,000 for a new grammar school. Architect, W. H. Weeks of San Francisco has been directed to prepare plans for the building.

BAIRDSTOWN, LOS ANGELES CO., CAL.—Citizens of the annexed territory of Bairdstown voted a \$200,000 bond issue at the election held September 15 to construct mains and enlargements to the distributing system to carry aqueduct water. Plans for the system are being prepared by William Mulholland, Chief Engineer of the Board of Public Service Commission, Knickerbocker Bldg., Los Angeles.

LOS ANGELES, CAL.—The City Council has set October 18 as the date

of election to vote \$1,020,000 bonds in Hollywood district for acquiring and enlarging the water system there. A previous bond issue for the same purpose was recently held to be illegal on account of an error in the description of the boundaries of the district in the ordinance calling for the election.

SANTA ROSA, SONOMA CO., CAL.—The Willard-Pelleve Drainage District voted \$20,000 bonds by a two to one vote at the special election held last week.

The bonds are to provide funds for the necessary work for draining the section within the district which lies south of Santa Rosa some five miles.

MODESTO, STANISLAUS CO., CAL.—The proposition of voting \$1,482,000 bonds for permanent improvement of a system of highway trunk lines throughout the county will be submitted to the voters at the same time as the general election, November 7th. This was decided at a meeting of the County Board of Supervisors when the resolution calling the election was passed by a unanimous vote.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The Supervisors sold \$50,000 of the \$350,000 State highway bridge bonds to F. M. Brown.

BRIDGES, DAMS AND HARBOR WORK

SAN ANSELMO, MARIN CO., CAL.—Bridge, reinforced concrete, \$13,000. Engineer, City Engineer, San Anselmo. Owners, City of San Anselmo. At the last meeting of the Town Trustees plans and specifications for the new bridge at Lansdale were approved. Construction will be of concrete, 42 feet long and 24 feet wide, together with the 30-foot retaining wall, which will be necessary along the creek side of Forest avenue. Bids will be ordered received shortly.

SAN JOSE, SANTA CLARA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on October 16th at 11 a. m. for the construction of a reinforced concrete bridge on Cochran road, over the Las Animas Creek.

COLUSA, COLUSA CO., CAL.—Levee construction. Cost as follows. Engineer, City Engineer, Colusa. Owners, City of Colusa. The City Trustees at their meeting received bids for raising the waterfront levee. The Trustees considering the bids too high and believing that the work could be done more economically by Day Labor, all bids were rejected. The Antioch Dredging Co. bid \$145 for a day of 22 hours, and Mooney & Boggs bid 30c per cubic yard.

OROVILLE, BUTTE CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be received on October 16th at 2

p. m. for constructing a bridge on Palm avenue over Lindo Channel in Road District No. 2.

SACRAMENTO, CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. The Supervisors adopted the plans and specifications for two reinforced concrete bridges Monday afternoon, and bids for the construction of the same will be received October 9th. One of the bridges is to be located on the old Marysville road in North Sacramento and the other on Marconi avenue near the Del Paso Country Club. Plans and further information may be had from the County Clerk.

VENTURA, VENTURA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Ventura. Owners, Ventura County. Until 11 a. m. October 14th bids will be received by the Board of Supervisors for constructing a concrete pile bridge, 120 feet long, with necessary earth fill, culverts, guard fence, etc., on Ojai avenue across San Antonio Creek, according to plans and specifications on file in the office of said Board, and which may be obtained at the office of the County Surveyor upon depositing \$3. J. B. McCloskey, County Clerk.

SEATTLE, WASH.—Canal dredging, \$160,000. Engineer, United States Engineers, Seattle. Owners, United States Government. Bids have been called for by the U. S. Engineers Office, Lieut. Col. J. B. Cavanaugh, Burke Bldg., Seattle, chief, for the last large dredging contract in connection with the completion of the Lake Washington Canal. Bids will be opened at 12 noon October 23rd for dredging over 600,000 cubic yards of material from the canal between the Government locks at the Narrows and Puget Sound, a distance of 1½ miles or more.

SAN FRANCISCO—Sea wall construction. Cost as follows. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Three bids were received at the Thursday meeting of the State Board of Harbor Commissioners for constructing the sea wall between Jones and Hyde streets. Approximately 45,000 tons of rock is required. Following is complete list: Blake Bros., \$1.47 per ton, \$66,659; Healy-Tibbitts Construction Co., \$1.97 per ton, \$88,650; Daniel Contracting Co., \$1.51 per ton, \$67,950. An award of contract will be made at the next meeting of the Commission.

CHURCHES

FOWLER, FRESNO CO., CAL.—Church, 1 story and base, frame, \$10,000. Architect, Henry F. Starbuck, Rowell Bldg., Fresno. Owners, Baptist Church, A. B. Murphy, pastor. Location, Merced and 3rd streets. Will contain main auditorium, Sunday school rooms and pastor's study. Plans being prepared.

Contracts Awarded.

MERCED, MERCED CO., CAL.—Church, 1 story and base, brick and concrete, \$24,500. Architect, W. J. Wythe, Central Bank Bldg., Oakland, associated with Cowell & Bedeson, Merced. Owners, Central Presbyterian Church. Contractor, Finch Wilcock, Merced. Contract price, \$24,500.

FACTORIES AND WAREHOUSES

OAKLAND, CAL.—Factory, 1 story steel and galvanized iron, \$100,000. Architect, none. Owners, Judson Mfg. Co., 819 Polson street, S. P. Location, foot of Park street, covering an area of 300 by 300 feet. Complete steel frame, exterior covered with galvanized iron. Plans being prepared and work to be done by Day Labor.

OAKLAND, CAL.—Machine shop, 1 story, brick and concrete, \$9,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. Location near Broadway, covering an area of 100 by 100 feet. Plans being prepared.

Contracts Awarded.

SEATTLE, WASH.—Transit shed, 2 story, frame, \$32,000. Engineer, Port of Seattle Commission, Seattle. Owners, City of Seattle. Contractors, Harrington Peters Co., Orient Bldg., Seattle. Contract price, \$32,000.

FLATS

BERKELEY, ALAMEDA CO., CAL.—Flat alteration, 2 story and base, frame, \$3,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owner, Mrs. Lindbrom. Location, Hillgass and Parker streets. Work will consist of altering a two-story frame residence into four modern flats. Plans complete and figures being taken.

GOVERNMENT WORK & SUPPLIES

PROSPECTIVE BIDDERS.

Supervising Architect.

Specifications for work under the office of the supervising architect have been furnished to the following firms in addition to those previously noted in these columns:

Willow, Cal., Construction, October 2.
A. McP. Sweeney, McNichols Building, Pocatello, Idaho.

Lange & Bergstrom, 206 Sharon Building, San Francisco, Cal.
Frank Gallagher, 180 Jessie street, San Francisco, Cal.

W. D. Lovell, Minneapolis, Minn.
J. B. Reite, 110 Jessie street, San Francisco, Cal.

Macrae & Layaz, 1220 Hearst Building, San Francisco, Cal.

Welch Bros. & Hannaman, Kalispell, Mont.

Campbell Building Co., Salt Lake City, Utah.

Grant Fee, 2440 16th street, San Francisco, Cal.

Monson Bros., 1907 Bryant street, San Francisco, Cal.

Alfred Kohn, 110 Jessie street, San Francisco, Cal.

Elmer Carlson, 110 Jessie street, San Francisco, Cal.

L. Dioguardi, 715 Garden street, San Francisco, Cal.

Stehinger Bros., Roseburg, Ore.

Maek, Colo., Excavation.

Bids for excavation in the vicinity of Maek, Colo., were received at the U. S. reclamation service, Grand Junction, Colo., on September 14, as follows:

Wm. Pollock, Fruita, Colo., schedule 1, \$2,512.95; 2, \$4,974.

Starr, Kirkendall & Miles, Fruita, Colo., schedule 1, \$2,528.20; 2, \$4,106; 3, \$5,394.50; 4, \$5,766.50.

G. R. Maycock Springville, Utah, schedule 3, \$4,446.40.

M. G. Miller, Springville, Utah, schedule 1, \$3,394.

J. J. Miller, Springville, Utah, schedule 5, \$4,816.

A. W. Cherrington, Springville, Utah, schedule 1, \$2,645.50.

Reynolds - Ply Construction Co., Springville, Utah, schedule 2, \$4,520.

Dennis Palfreyman, Maek, Colo., schedule 1, \$2,777; 2, \$1,589.50; 3, \$4,757.90; 4, \$3,871.30; 5, \$1,911.50.

Sam Kloczko, Loma, Colo., schedule 1, \$1,720; 2, \$3,312.50; 3, \$9,272.50; 4, \$10,052.50; 5, \$8,312.50.

Santa Fe, N. M., Heating, Repairs, Etc.

The following bid was received by the supervising architect, Treasury Department, Washington, D. C., September 29, for repairs to heating, plumbing, conduit, and wiring, etc., in the U. S. public building at Santa Fe, N. M.:
Noland-Clifford Co., Newport News, Va., \$3,160; time 60 days.

Klamath Reservation, Ore., Bridge Spans.

The contract for furnishing 2 steel spans for bridge, Klamath Indian Reservation, Ore., bids opened August 7, has been awarded to the Omaha Structural Steel Works, Omaha, Neb., at \$69,500.

Port Townsend, Wash., Weather Strips.

The contract for installing metal weather strips and repairs to roof, etc., of the U. S. post office at Port Townsend, Wash., has been awarded to Henrikson & Co., Seattle, Wash., at \$4,020.

Santa Rosa, Cal., Repairs.

The contract for repairs to lookout at the U. S. post office, Santa Rosa, Cal., has been awarded to Barrett & Hilp, San Francisco, Cal., at \$2,493.

The contract for constructing new wharf, buildings, etc., at the U. S. quarantine station, Honolulu, H. T., has been awarded to the Lord-Young Engineering Company, Honolulu, H. T., at \$29,647. Time, March 13, 1917.

HOSPITALS

OAKLAND, CAL.—Hospital addition and ward, 1 and 2 story, frame, \$25,000. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owners, Alameda County. Bids will be opened on October 30th for the construction of a two-story addition to the main building and for a one-story contiguous ward. Plans can be secured from the County Clerk.

SAN LEANDRO, ALAMEDA CO., CAL.—Hospital, 6, 1 story frame wards, \$45,000. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Bids will be opened on October 30th for the construction of six tubercular wards at the Alameda County Tubercular Hospital. Plans can be secured from the County Clerk.

HOTELS

PITTSBURG, CONTRA COSTA CO., CAL.—Hotel, 2 story and base, frame. Cost not stated. Architect, William Knowles, Hearst Bldg., S. F. Owners, C. A. Hooper Lumber Co., Balboa Bldg., S. F. Will cover an area of 114 by 120 feet. Only preliminary plans have been prepared and further mention will be made of the work.

IREMERTON, WASH. — Hotel, 4 story and base, reinforced concrete, \$75,000. Architects, A. L. Haley and G. L. Haley, People's Bank Bldg., Seattle. Owner, Jack Smith. Location, Front and Washington streets. Will contain 84 rooms, lobby, office and a number of public and private baths. Entire structure leased to Charles Perry and Bert Gray. Preliminary plans prepared.

LOS ANGELES, CAL. — Hotel and stores, 6 story and base. Class A construction. Cost not stated. Architect, S. Tilden Norton, Title Insurance Bldg., L. A. Owners, M. M. and I. H. Norton. Location, southeast Main and 5th streets, covering an area of 75 by 135 feet. Will contain 130 rooms. Plans being prepared.

IRRIGATION PROJECTS

OAKDALE, STANISLAUS CO., CAL. — Irrigation canals, \$10,000. Engineer, Chief Engineer, Oakdale Irrigation District. The Board of Directors of the Oakdale Irrigation District have advertised for bids for concreting the canals at Two-Mile Bar and also widening them. The cost is estimated to run between \$8,000 and \$10,000. The directors intended to let this work out by private bid, but other contractors objected and they decided to call for bids. Plans for the work may be had from the Secretary of the district at Oakdale.

Contracts Awarded.

TERRA BELLA, TULARE CO., CAL. — Irrigation wells. Cost not stated. Engineer, Chief Engineer, Terra Bella Owners, Terra Bella Irrigation District. At the last meeting of the Directors of the Terra Bella Irrigation District contracts were awarded for drilling six deep wells, to be put down on optioned lands west of the Southern Pacific tracks. The contract for five wells was awarded to M. P. Bramlet of San Joaquin, and contract for one well was given to the Western Wells Works Co. of San Jose. Mr. Bramlet employs standard rigs, while the Western Co. uses a rotary rig. The letting of one well to the Western Co. was largely for experimental purposes, whereby a comparison can be made between the results obtained with a standard rig and a rotary rig.

LIBRARIES

SAN FRANCISCO — Library, 1 story and base. Class C construction. Cost not stated. Architect, Ernest G. Coxhead, Hearst Bldg., S. F. Owners, City and County of San Francisco. Location, Green and Octavia. Will contain two reading rooms, work space, office and stack rooms. Plans nearly complete.

MADERA, MADERA CO., CAL. — Library, 1 story and base, brick, \$12,000. Architects, Coates & Traver, Rowell Bldg., Fresno. Owners, City of Madera. The contract for this structure was awarded to Ed Layne of Madera on his bid of \$12,383 on proposition No. 4, he being \$63 higher than Jas. L. Daley of Fresno. The Carnegie Corporation has rejected the plans because the county proposed to pay the cost of the heating apparatus. The heating plant must be included, according to the Carnegie Trustees. The architects state that this will necessitate the building

being reduced in size at least one-third. Plans being revised.

POWER PLANTS AND WATER SYSTEMS.

LOS ANGELES, CAL. — Water system extension, \$200,000. Engineer, William Mulholland, Knickerbocker Bldg., L. A. Owners, City of Los Angeles. Citizens of the annexed territory of Bairdstown voted a \$200,000 bond issue at the election held September 15th to construct mains and enlargements to the distributing system to carry aqueduct water.

SANTA MONICA, LOS ANGELES CO., CAL. — Water system extension, \$60,000. Engineer, City Engineer, Santa Monica. Owners, City of Santa Monica. The city will begin at once combining and reconstructing the four private water systems recently purchased. The first step will be the construction of a 12-inch main from the present Irwin Heights reservoir to the Ocean Park Co.'s reservoir, a distance of one mile; estimated cost, \$25,000. The second improvement will be installation of a concrete or steel 50,000 gallon stand-pipe, estimated cost, \$10,000. The completion of the metering of the entire system will be the third step; estimated to cost \$23,000.

SEATTLE, WASH. — Water system extensions, \$3,000,000. Engineer, City Engineer, Seattle. Owners, City of Seattle. Under the direction of the City Engineer's department surveys are being made for the construction of the first unit of the \$3,000,000 extension to the city water system, the largest part of which will be built next year. The first unit calls for the construction of an addition to the Volunteer Park reservoir to have a capacity of 50,000,000 gallons and cost \$150,000. It will cover a space of practically two blocks, or 512 by 180 feet, 15 feet deep, and be of reinforced concrete construction. Plans are expected by Superintendent of Water Youngs to be ready so that bids may be called for before December 1st.

Contracts Awarded.

LOS ANGELES, CAL. — Steel riveted pipe, \$94,228. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. The Baker Iron Works, 912 North Broadway, Los Angeles, was awarded the contract at \$94,228 for furnishing riveted steel pipe for the Western avenue main of the city water system.

SANTA CRUZ, SANTA CRUZ CO., CAL. — Water pipe, \$3,266.80. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Contractors, Crane Co., 2nd and Brannan streets, S. F. Contract price, \$3,266.80.

POST OFFICES

Contracts Awarded

SANTA ROSA, SONOMA CO., CAL. — Post office repairs, \$2,493. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Contractors, Barrett & Hilt, Sharon Bldg., S. F. Contract price, \$2,493.

RAILROAD CONSTRUCTION AND EQUIPMENT.

VISALIA, TULARE CO., CAL. — Railroad station, etc., 1 and 2 story, frame and concrete, \$30,000. Engineer, Chief

Engineer G. W. Harris, Kerchoff Bldg., L. A. Owners, Santa Fe Railroad Co. Work will consist of removing the present freight sheds and constructing a new passenger depot. Plans complete and figures to be called for shortly.

RESIDENCES

SAN FRANCISCO — Residence, 2 story and base, frame. Cost not stated. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owner, Douglass Cushman. Location, Chestnut street. Will contain ten rooms, three baths and basement garage. Plans being prepared.

SAN FRANCISCO — Residences, 2, 1½ story and base, frame, \$3,500 each. Architect, none. Owner, F. Nelson, 2701 Lincoln Way, S. F. Location, east 29th north Irving. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO — Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Owner, Charles J. Koenig, 520 Church street, S. F. Location, east Lishon north Russia. Each dwelling will contain six rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO — Residence alteration, 2 story and base, frame, \$5,000. Architect, W. H. Ratcliffe, Jr., First National Bank Bldg., Berkeley. Owner, George Billins. Location, West Clay Park. Work will consist of interior and exterior alterations, plumbing, heating, interior finish, hardwood floors, electric work, painting and plastering. Plans complete and figures being taken.

SAN LEANDRO, ALAMEDA CO., CAL. — Residence, 2 story and base, frame, \$6,000. Architects, Schirmer & Bugbee Co., Daiziel Bldg., Oakland. Owner's name withheld. Location, Foothill Boulevard. Will contain eight rooms, two baths, sleeping porch and separate garage. Plans being prepared.

OAKLAND, CAL. — Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, E. D. Hanna. Location, south Elwood west Valla Vista. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, George H. Hollidge, 5926 Taft avenue, Oakland. Location, southeast Broadway and Taft avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL. — Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, Frederick Parsons, 1925 Russell street, Berkeley. Location, west Colby south Webster. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL. — Residences, 4, 2 story and base, frame, \$4,500 each. Architect, Frederick Whitton, 251 Kearny street, S. F. Owners, Wickham Havens Co., 1308 Broadway, Oakland. Locations, Kenmore avenue, Boulevard Way and Boulevard Way and Kenmore. Each dwelling will contain eight rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, Alfred Vords, First Savings Bank Bldg., Oakland. Location, north Lakeshore avenue east Howard. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 2 story and base, frame, \$3,500 each. Architect, none. Owner, George W. Nunes, 5426 Dover street, Oakland. Location, Roos and Chabot Road and west Roos north Chabot Road. Each dwelling will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, A. N. Hill, 2311 Curtis street, Berkeley. Location, 2311 Curtis street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 2, 1 story and base, frame, \$2,200 each. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, A. Samuels. Location, West Berkeley. Each house will contain five rooms and bath. Plans being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, John Gelder, 1131 53rd street, Oakland. Location, west West street north 45th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

VALLEJO, SOLANO CO., CAL.—Residences, 5, 1 story and base, frame. Cost not stated. Architect, none. Owners, Vallejo Realty Co., Vallejo. Location, Vallejo Annex Tract. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and figures being taken.

PRINEVILLE, ORE.—Residence, 2 story and base, hollow tile. Cost not stated. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, George F. Kelley. Will cover an area of \$5 by \$5 feet and will contain ten rooms, three baths and sleeping porch. Plans complete and figures being taken.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,500 each. Architect, none. Owners, Nelson Bros., 493 7th avenue, S. F. Location, east 18th north Balboa. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, P. S. Walsh, 495 Rich street, Oakland. Location, south Rich east Telegraph. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, C. S. Nichols, 2768 Baker street, Berkeley. Location, north Ward street east Mabel. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, C. S. Nichols, 2768 Baker street, Berkeley. Location, north Ward east Mabel. Will contain five rooms, bath and sleeping

porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, George Ferguson, Elmhurst Hotel, Elmhurst. Location, north Hillside east 90th avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, A. H. Pallen, 696 61st street, Oakland. Location, west Santa Fe avenue south Solano. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$2,000. Architect, none. Owner, Benjamin Fehnmann, 224 Brighton avenue, S. F. Location, north Cordova west Athens. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$2,000 each. Architects, E. P. Antonovich and H. E. Harris, Monadnock Bldg., S. F. Owners, Conservative Home Building Co., 1125 Fillmore street, S. F. Location, east Levant south States. Each dwelling will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$1,500 to \$5,000. Architect, none. Owners, Allen Bros., 125 Sutter street, S. F. Location, east 28th avenue north California. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,100. Architect, W. L. Broderick, 1201 Colusa avenue, Berkeley. Owner, D. E. Hurtig. Location, Edith near Jaynes. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, I. A. Kellogg, 3404 Champion street, Oakland. Location, west Rhoda avenue north Montana. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOLS

SAN FRANCISCO—Schools, 20 portable frame, \$15,460. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. F. Warden presented the low bid for this work and will probably be awarded the contract. A complete list of the bids will be found under the heading of San Francisco in this issue. The same contractor was also low for the general construction of the Parkside School, a one-story frame building, at \$1,420.

SACRAMENTO, CAL.—School, 1 and 2 story, reinforced concrete, \$200,000. Architects, Shea & Lofquist, Bankers Investment Bldg., S. F. Owners, City of Sacramento. Preliminary plans have been approved for the new school building to be erected on property bounded by 17th, 18th, E and F Sts. Will contain 20 class rooms, depart-

ment, or domestic science room, and a kitchen. Further mention will be made of the work.

COLUSA, COLUSA CO., CAL.—School, 2 story and base, brick and concrete, \$65,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Colusa. Will contain twelve class rooms, auditorium and principal's office. Plans being prepared. Bids will be called for as soon as bonds are sold.

CORNING, TRHAMA CO., CAL.—School, 1 story, brick, \$10,000. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Corning School District. Will contain two class rooms with provision for further extension. Revised plans complete and figures to be called for shortly.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—School, 2 story and base, brick and concrete, \$55,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, South San Francisco School District. Will contain twelve class rooms, auditorium and office. Plans complete and figures being taken. Bids open October 9th.

SAN JOSE, SANTA CLARA CO., CAL.—School heating, etc. Cost not stated. Architect, William Binder, Rea Bldg., San Jose. Owners, City of San Jose. The San Jose Board of Education will open bids on October 10th for installing a heating system and high pressure water system in the San Jose High School.

SAN JOSE, SANTA CLARA CO., CAL.—School addition, 2 story, frame, \$10,000. Architect, F. G. Aitken, Theatre Bldg., San Jose. Owners, City of San Jose. Bids will be opened on October 10th for the addition to the Washington School. Bids are to be taken on revised plans.

PITTSBURG, CONTRA COSTA CO., CAL.—School fire escapes. Cost not stated. Architect, none. Owners, Pittsburg School District. Bids will be opened on October 11th for a fire escape on the primary schools. Plans can be secured from the Secretary of the Board of Education.

Contracts Awarded

SAN FRANCISCO—School addition, 2 story, frame, \$23,436. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Contractors, Monson Bros., 1907 Bryant street, S. F. Contract price, \$23,436.

ALBANY, ALAMEDA CO., CAL.—School, 1 story and base. Class C construction, \$31,816. Architect, J. J. Donovan, Perry Bldg., Oakland. Owners, Albany School District. Contractor, E. E. Ebertson, Monadnock Bldg., S. F. Contract price, \$34,816.

ALBANY, ALAMEDA CO., CAL.—School, 1 story and base. Class C construction, \$26,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Albany School District. Contractor, G. B. Hollenbeck, Thomson Bldg., Oakland. General construction, \$17,700; J. C. Hurley Co., S. F., heating and ventilating, \$991. A complete list of these bids will be found under the heading of Oakland and Alameda County in this issue.

DANVILLE, CONTRA COSTA CO., CAL.—School, 1 story, frame, \$12,680. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, Town of Danville. Contractors, Kellar & Crane, 34 Moramar avenue, S. F. Contract price, \$12,680.

SEWERS, STREET WORK & WATER SYSTEMS

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, South San Francisco. Owners, South San Francisco. Bids will be opened on October 9th for street improvement under the following resolution: That that portion of the alley between Grand avenue and Miller avenue and alley between Grand avenue and Baden avenue be improved by grading and constructing therein a concrete pavement.

OROVILLE, BUTTE CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be opened on October 9th for certain road work on the Oroville and Palermo road.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on October 5th for street improvements authorized under the following resolutions: That Euclid avenue from a line parallel to and 15 feet south from the north line of Hearst avenue, north to the north line of the Wheeler Tract, and Vine street from Euclid avenue to Le Roy avenue, be improved as follows: That the roadways be graded, concrete curbs, water inlets, vitrified pipe and cast iron concrete culverts with branches and manholes and concrete steps with end walls, be constructed; the roadway be paved with brick pavement laid on a 4-inch concrete base.

POWER, FRESNO CO., CAL.—Street paving, \$7,750. Engineer, City Engineer, Fowler. Owners, City of Fowler, Cornfield & Davis, Bakersfield, were the lowest bidders at \$7,750 for constructing concrete pavement on about 6,000 lineal feet of streets in town to connect ends of the State highway. Other bidders were: Thompson Bros., Fresno, \$8,681.59; Kettlewell & Son, Kingsburg, \$8,706.20; George Shannon, Fresno, \$8,846.

HERMOSA BEACH, LOS ANGELES CO., CAL.—Sewer system. Cost not stated. Engineer, City Engineer, Hermosa Beach. Owners, Hermosa Beach. Until 7:30 p. m. October 17th bids will be received by the City Clerk for the construction of a sewage disposal and sewage treatment plant involving 320 cubic yards concrete, 1,800 feet 8-inch cast iron pipe, 830 feet 12-inch vitrified sewer pipe, 1,280 feet 12-inch reinforced concrete pipe, 700 feet 5½x7-inch tunnel, 2 air compressors, two 100-gallon sewage ejectors, electric motors and electric controls, machinery and fittings, and Armoco metal building at sewage treatment plant. Engineer's estimate, including Vrooman Act proceedings, \$27,000. Further information may be secured from C. R. Sumner, City Engineer, at the City Hall.

HUENEME, VENTURA CO., CAL.—Street pavement. Cost not stated. Engineer, City Engineer, Hueneme. Owners, Town of Hueneme. Until 11 a. m. October 14th, bids will be received by the Board of Supervisors for constructing approximately 24,400 square feet of oil macadam pavement on Market street, according to plans and specifications on file in the office of said Board and in the office of the County Surveyor.

CHINO, SAN BERNARDINO CO., CAL.—Street improvement, \$73,000. Engineer, City Engineer, Chino. Owners, City of Chino. Until 8 p. m. October 10th bids will be received by the City Clerk for the improvement of certain portions of Riverside Drive, Chino avenue, 15th street, D street, 5th street and G street, according to plans and specifications on file in the office of the City Clerk and obtainable at the office of the City Engineer, Paul E. Kressley, at the City Hall, 7th and D streets. Plans, estimates of quantities, specifications and blank forms of proposal may be secured after September 27th by addressing the City Clerk. Bonds in the sum of \$73,000 have been voted and sold for the work. Certified check for 10%. E. L. P. Wetmore, City Clerk.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Highway construction. Cost as follows. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Because the lowest bidder on the work for the improvement of Mission Ridge road for a distance of 2½ miles overlooked a bit of multiplication in his figures, the awarding of the contract for this work has been delayed by the City Council. Paul & Caldwell sent in the lowest bid for the improvement, their total being \$53,337.33, while the next lowest bid was \$54,133.16, submitted by Bradshaw-Barnes Co. In their estimate the first named concern bid by the lineal feet on the sewer work while the advertisement for bids designated that a lump sum should be stated for the sewer. Other bids on the work were: E. A. Garland, \$55,270.72; F. R. Ritchie, \$57,323.53; Modern Construction Co., \$67,879.77. The bid of Paul & Caldwell was only \$13 above the estimated cost of the work submitted by City Engineer Cook.

SAN FRANCISCO—Street improvements. Cost not stated. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Bids will be opened on October 11th for the following street improvements. The improvement of Ellim alley from Ecker street to a line at right angles to the southeast line of Ellim alley and 94 feet distant from the point of intersection of the northeast line of Ecker street and the southeast line of Ellim alley by the construction of granite curbs, artificial stone sidewalks of the full official width, and an asphalt pavement, consisting of a 6-inch concrete foundation, a 1½-inch asphaltic binder course and a 2-inch asphaltic wearing surface.

The improvement of 10th street between Harrison and Bryant streets by the construction of artificial stone sidewalks, where asphalt, basalt block or artificial stone sidewalks are not already constructed at least 6 feet wide.

The improvement of Balboa street between 29th and 30th avenues by the construction of concrete curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway.

The improvement of 46th avenue between Geary and Anza streets by the construction of concrete curbs, a 7-foot strip of vitrified brick pavement on a concrete foundation adjacent to the center line thereof, and an asphalt pavement, consisting of a 6-inch concrete foundation and 2-inch asphaltic wear-

ing surface on the remainder of the roadway.

The improvement of 19th avenue between California and Lake streets by the construction of artificial stone sidewalks 9 feet wide where artificial stone sidewalks at least 6 feet wide have not already been constructed.

The improvement of 14th avenue between Anza and Balboa streets by the construction of artificial stone sidewalks 6 feet wide.

The improvement of 10th avenue between Geary and Clement streets by the construction of artificial stone sidewalks.

The improvement of Noriega street between 19th and 20th avenue by grading, construction of concrete curbs, artificial stone sidewalks 6 feet in width in the middle of the sidewalk area, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway.

SAN FRANCISCO—Street improvements. Cost not stated. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Bids will be opened on October 11th for the following street improvements: The improvement of Moulton street between Webster and Fillmore streets by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with twenty Y branches and two brick manholes along the center line of Moulton street from Fillmore street to a point 84.5 feet west from Webster street, and by the construction of granite curbs, artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2½-inch asphaltic wearing surface upon the roadway.

The improvement of Anza street between 25th and 26th avenues by the construction of granite curbs, by resetting the existing granite curbs to official line and grade; construction of artificial stone sidewalks 6 feet wide and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface.

The improvement of Ortega street between 19th and 30th avenues by grading; construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 18 Y branches and 1 brick manhole; concrete curbs; construction of artificial stone sidewalks 6 feet in width in the middle of the sidewalk areas, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway.

OAKLAND, CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 11th at 12 noon for sewer construction authorized under the following resolution: That a sewer having an internal diameter of 8-inches be constructed along Whittie avenue from Fruitvale avenue to lot 6 of the Ellen Stotts Tract No. 1; that 3 brick manholes; a lamphole with top of brick and cast iron; Y branches, having 5-inch openings; the aforesaid proposed sewer, Y branches and lamphole (except the top thereof) shall be constructed of vitrified sewer pipe.

LOS ANGELES, CAL.—Highway construction, \$48,236.96. Engineer, County Surveyor, Los Angeles. Owners, Los

Angeles County. White & Gaskill, Long Beach, submitted the lowest bid for the Harbor Truck highway at \$46,236.98 and will probably be awarded the contract.

Contracts Awarded.

OAKLAND, CAL.—Paving, etc. Cost as follows. Engineer, City Engineer, Oakland. Owners, City of Oakland. The Western Construction Co. was the lowest bidder among five for the construction of the reinforced concrete paving for the fill in along San Lorenzo Creek on A street. Its bid was \$1,110.50. The other bidders were: M. E. Fernandez, \$4,256; P. Mathiesen, \$4,642; Thos. B. Russell, \$4,747; H. M. Dain, \$5,513. The Western Construction Co. also received the contract for oiling and screening a portion of the Redwood road. The contract price is \$1,239. A. H. Kopperud was the next nearest bidder, \$1,833.40, and P. H. Hoare, \$2,317.50.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The City Council has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the following work: That portions of Fulton street between Allston Way and Dwight Way be graded; construct concrete curbs and gutters and the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete base 5 inches thick.

LINDSAY, TULARE CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Lindsay. Owners, City of Lindsay. Worswick Paving Co., Los Banos, was awarded the contract for grading and constructing eight blocks of concrete pavements with asphaltic concrete surface, cement curbs, crushed rock and asphalt shoulders, corrugated iron pipe culverts, etc., in Sweet Briar avenue, Lewis street, Mt. Vernon avenue and other streets.

STOCKTON, SAN JOAQUIN CO., CAL.—Sewers, \$3,252.14. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractor, W. F. Edwards, 675 31st street, Oakland. Contract price, \$3,252.14.

SAN ANSELMO, MARIN CO., CAL.—Street improvement, \$9,118.70. Engineer, City Engineer, San Anselmo. Owners, City of San Anselmo. Contractors, Western Motor Drayage Co., 1441 Church street, S. F. Contract price, \$9,118.70.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street improvement, \$29,263.61. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Contractors, City Street Improvement Co., 166 Geary street, S. F. Contract price \$39,263.61.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Road improvement, \$53,327.50. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Contractors, Paul & Caldwell, Stockton. Contract price, \$53,327.50.

SANTA PAULA, VENTURA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Santa Paula. Owners, City of Santa Paula. Contractors, Fairchild-Gilmore-Wilton Co., 607 South Main street, L. A. Contract price not stated.

LOS ANGELES, CAL.—Highway improvement, \$33,534.87. Engineer, County Surveyor, Los Angeles. Owners, Los

Angeles County. Contractors, S. C. Co. Title Insurance Bldg., 121 A. Contract price, \$33,534.87.

STORES AND OFFICES

SAN FRANCISCO—Stores, 1 story and base, brick, \$10,000. Architects Falch & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. Location, 9th avenue and Cabrillo, covering an area of 25 by 100 feet. Will contain two stores and a market. Plans complete and figures being taken.

SAN FRANCISCO—Stores and offices, 6 story and base. Class A construction. Cost not stated. Architect, Kenneth Macdonald, Jr., Holbrook Bldg., S. F. Owner, John A. Hooper. Location, south Pine between Montgomery and Sansome. Preliminary plans only prepared and further details to be given when plans are more complete.

SAN FRANCISCO—Store, 3 story and base. Class C construction, \$100,000. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, I. I. and B. C. Brown, leased to Newman Furniture Co. Location, south cast 17th and Mission streets, covering an area of 110 by 162½ feet. Plans complete and figures being taken.

Contracts Awarded.

SEATTLE, WASH.—Market, 1 story and base, brick and concrete, \$20,000. Architect, W. Marbury Somerville, White Bldg., Seattle. Owners, John Egghard & Co. Contractors, Broeker, Kiehl & Whipple, Central Bldg., Seattle. Contract price, \$20,000.

THEATRES

SAN FRANCISCO—Theatre and stores, 1 story and base. Class A construction, \$70,000. Architect, Benj. G. McDougall, Sheldon Bldg., S. F. Owner, Mrs. Mary E. Seidl. Location, southwest 10th avenue and Clement street. Will contain a theatre seating 1250 people and two stores. Plans being prepared.

SEALED PROPOSALS

PROPOSALS FOR CRANE.

CRANE—Sealed proposals indorsed "Proposals for Locomotive Crane" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m., November 11, 1916, and then there publicly opened, for a locomotive jib crane of 50 gross tons capacity at the naval station, Pearl Harbor, T. H. Plan and specification can be obtained on application to the bureau or to the commandant of the naval station named. F. R. HARRIS, chief of bureau.

PROPOSALS FOR HYDROELECTRIC MACHINERY.

HYDROELECTRIC MACHINERY AND EQUIPMENT—Department of the Interior, Washington, D. C.—Sealed proposals will be received in the office of the supervisor of Yosemite National Park until 2 p. m., Thursday, October 12, 1916, and then opened, for the furnishing or installation or both of hydroelectric equipment for the park, consisting of water wheels, generators, transformers and switchboard, in accordance with plans and specifications, copies of which can be obtained from the supervisor of the park or from the post office and Markwart, 732 First National

Bank Bldg., San Francisco, Cal. Proposals will be received for subdivisions of the work. The right is reserved to reject any and all bids, to waive technical defects and to accept one part and reject the other, as the interest of the government may require. Proposals should be securely enveloped, marked "Proposals for Hydroelectric Equipment" and addressed to W. B. Lewis, supervisor, Yosemite National Park, Yosemite, Cal. No SWENEY, assistant secretary.

PROPOSALS FOR CRANE.

CRANE—Sealed proposals indorsed "Proposals for Floating Crane" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m., November 14, 1916, and then and there publicly opened, for a 250-ton floating revolving crane for the navy yard, Mare Island, Cal. Specifications can be obtained on application to the bureau or to the commandant of the navy yard named. F. R. HARRIS, chief of bureau.

PROPOSALS FOR RECLAMATION WORK.

RECLAMATION WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until 2 o'clock p. m., October 10, 1916, for the construction of canals and structures on the Flathead project Montana, involving about 165,000 cubic yards of excavation, 425 cubic yards of reinforced concrete, 1-100 square yards of paving, laying 1-100 linear feet of vitrified pipe, erecting 64,000 feet, b. m., of lumber, erecting 2,300 linear feet of steel flume and placing 26,000 pounds of structural and reinforcing steel. The work is located near St. Ignatius and Dixon, Mont. For particulars address the United States Reclamation Service, Washington D. C., Denver, Colo., or St. Ignatius, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR EXCAVATORS.

EXCAVATORS—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m., October 2, 1916, for installing dragline excavators. For particulars address the United States Reclamation Service, Denver, Colo. A. P. DAVIS, chief engineer.

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until 2 o'clock p. m., October 10, 1916, for the construction of canals and structures on the Flathead project, Montana, involving about 165,000 cubic yards of excavation, 425 cubic yards of reinforced concrete, 1-100 square yards of paving, laying 1-100 linear feet of vitrified pipe, erecting 64,000 feet, b. m., of lumber, erecting 2,300 linear feet of steel flume and placing 26,000 pounds of structural and reinforcing steel. The work is located near St. Ignatius and Dixon, Mont. For particulars address the United States Reclamation Service, Washington, D. C., Denver, Colo., or St. Ignatius, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR BUILDING.

BUILDING—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m., October 23, 1916, for the extension, remodeling, etc., of the United States post office at Boise, Idaho. Plans and specifications may be obtained from the custodian at Boise, Idaho, or at this office, in the discretion of the supervising architect. JAMES E. KETMORE, acting supervising architect.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

of **BUILDING AND ENGINEERING NEWS** published weekly at San Francisco, California for October 1st, 1916, State of California, City and County of San Francisco, ss.

Before me, Chalmers Munday, a Notary Public, in and for the State and county aforesaid, personally appeared L. A. Larsen, who, having been duly sworn according to law, deposes and says that he is the Publisher of the Building and Engineering News.

Publisher, L. A. Larsen, San Francisco, Cal.

Editor, L. A. Larsen, San Francisco, Cal.

Managing Editor, L. A. Larsen, San Francisco, Cal.

Business Manager, L. A. Larsen, San Francisco, Cal.

Owner, L. A. Larsen, San Francisco, Cal.

Known bondholders, mortgagees, and other security holders, owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities: None.

L. A. LARSEN, Owner,

Sworn to and subscribed before me this 28th day of September, 1916.

CHALMER MUNDAY,

Notary Public in and for the City and County of San Francisco, State of California.

(My commission expires Oct. 18, 1917.)

[SEAL]

WHITE PAINT FAVORED FOR BRIDGES.

It is urged by eastern state highway commissions that the country and township boards adopt white as the color for their bridges.

The main advantages are that the bridges show up better at night, and repainting is not so likely to be neglected, as there is a great contrast between the paint color and rust, while with a red or dark paint there is nothing to call attention to the fact that the bridge needs repainting.

It is necessary that the white paint be specified on the plans so that the shop coat can be of a light color, otherwise the white field coat will be darkened too much.

STEEL-FRAME CAR CONSTRUCTION.

NEW BRUNSWICK, Canada—The Canadian Government Railway shops in Moncton recently completed four steel-frame baggage cars, being the first equipment of this character to be built at these works. The cars have solid steel trucks so designed that the wheels can be changed quickly with a minimum amount of labor. The draft gear is constructed to absorb shock in starting and stopping, and is of sufficient strength to withstand the heaviest type of engine. Westinghouse brakes of the latest pattern are used.

Another feature is the side doors, which are brought closer together than in ordinary cars to permit of through baggage or express matter being loaded in the end of the car; the floors are fitted with hardwood strips, instead of "fish-racks," as being more readily kept clean, especially when the car is used for carrying shipments of fish.

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

RAIN DAMPENS FOREST FIRES.

Owing to the recent wide-spread showers, the worst of the forest fire season in the National Forests of northern and central California is now over, according to Assistant District Forester Roy Headley. The precipitation reported to have totaled almost an inch in the central California Forests, occurring at this season when the nights are rapidly becoming colder and longer, means that the peak of the fire season is past and that the Forest Service can now commence to reduce its summer protective force without risk in many localities. Already in the back country, where high altitude with its scarcity of brush and lightness of travel, means low fire hazard even in the middle of the summer, a few lookout houses have been closed and boarded up for the winter, and the lookout men and patrolmen are returning to their winter employment in the valleys. This is not the situation, however, in the southern California Forests where the high point in the fire season is not reached until the time of strong east winds,—usually between October 1 and December 1.

In the central and northern Forests, the closing of the fire season, always dependent on the weather, is usually about October 10, but for the past two years continued dry, hot weather in October has carried the season on to about November 1. It is almost axiomatic with the Forest officers that a half inch of rain after October 1 means the close of the fire season.

\$320,000 FOR BRIDGES.

YUBA CITY, Cal.—Five separate bonding propositions aggregating \$320,000 will be placed before the voters of Sutter county at the November election. In this way the board of super-

FAST ELECTRIC TRAINS TO Sacramento

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Tel., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland, Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon, Jct. Marysville, Colusa, Oroville and Chico, Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2158 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 1715

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE

ROSS E. PIERCE - Manager
905 SIXTH STREET

visors will reach the true sentiment of the people of the county on the much mooted question of bridges at Nicolaus, Live Oak and Grimes, the completion of Long bridge and a new county hospital.

BIG CANAL PROJECT.

REDDING, Cal.—Twenty-six miles of the main canal of the Anderson-Cottonwood irrigation system stand completed and eight miles remain to be excavated, according to James Willison, contractor for the entire canal. The cost of the laterals, main canal and the tunnel at the intake aggregate almost \$200,000.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

APARTMENT HOUSE—4 story and base. Class C construction, \$25,000. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, William Smith. Location, Jones between Sutter and Bush streets, covering an area of 25 by 120 feet. Will contain eight apartments of four rooms and bath. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame. Cost not stated. San Francisco. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owner, Douglass Cushman. Location, Chestnut street. Will contain ten rooms, three baths and basement garage. Plans being prepared.

RESIDENCES—2, 1½ story and base, frame, \$3,500 each. San Francisco. Architect, none. Owner, F. Nelson, 2701 Lincoln Way, S. F. Location, east 29th north Irving. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. San Francisco. Architect, none. Owner, Charles J. Koenig, 520 Church street, S. F. Location, east Lisbon north Russia. Each dwelling will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE ALTERATION—2 story and base, frame, \$8,000. San Francisco. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owner, George Billings. Location, West Clay Park. Work will consist of interior and exterior alterations, plumbing, heating, interior finish, hardwood floors, electric work, painting and plastering. Plans complete and figures being taken.

STREET IMPROVEMENTS—Cost not stated. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Bids will be opened on October 11th for the following street improvements: The improvement of Elm avenue from Ecker street to a line at right angles to the southeast line of Elm alley and 94 feet distant from the point of intersection of the northeast line of Ecker street and the southeast line of Elm alley, by the construction of granite curbs, artificial stone sidewalks of the full official width, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 1½-inch asphaltic binder course and a 2-inch asphaltic wearing surface.

The improvement of 10th street between Harrison and Bryant streets by the construction of artificial stone sidewalks, where asphalt, basalt block or artificial stone sidewalks are not already constructed at least six feet wide.

The improvement of Balboa street between 25th and 30th avenues by the construction of concrete curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway.

The improvement of 46th avenue between Geary and Anza streets by the construction of concrete curbs, a 7-foot strip of vitrified brick pavement on a concrete foundation adjacent to the center line thereof, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway.

The improvement of 19th avenue between California and Lake streets by the construction of artificial stone sidewalks 9 feet wide where artificial stone sidewalks at least 6 feet wide have not already been constructed.

The improvement of 16th avenue between Anza and Balboa streets by the construction of artificial stone sidewalks 6 feet wide.

The improvement of 10th avenue between Geary and Clement streets by the construction of artificial stone sidewalks.

The improvement of Noriega street between 19th and 20th avenues by grading, construction of concrete curbs, artificial stone sidewalks 6 feet in width in the middle of the sidewalk area, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway.

STREET IMPROVEMENTS—Cost not stated. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Bids will be opened on October 11th for the following street improvements: The improvement of Moulton street between Webster and Fillmore streets by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 20 Y branches and 2 brick manholes along the center line of Moulton street from Fillmore street to a point 84.5 feet west from Webster street, and by the construction of granite curbs, artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2½-inch asphaltic wearing surface upon the roadway.

The improvement of Anza street between 25th and 26th avenues by the construction of granite curbs, by resetting the existing granite curbs to official line and grade; construction of artificial stone sidewalks 6 feet wide and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface.

The improvement of Ortega street between 19th and 20th avenues by grading; construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 18 Y branches and one brick manhole; concrete curbs; construction of artificial stone sidewalks 6 feet in width in the middle of the sidewalk areas, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway.

APARTMENT HOUSE—4 story and base. Class C construction, \$25,000. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, J. B.

Schroeder. Location, west Leavenworth north Post, covering an area of 25 by 87½ feet. Will contain 32 rooms arranged in suites of four rooms and bath. Preliminary plans prepared.

APARTMENT HOUSE—3 story and base, frame, \$17,000. San Francisco. Architect, O. R. Thayer, 240 Montgomery street, S. F. Owner's name withheld. Location, northeast 8th avenue and California. Will contain nine apartments. Plans complete, bids in and under advisement.

RESIDENCES—2, 2 story and base, frame, \$3,500 each. San Francisco. Architect, none. Owners, Nelson Bros., 193 7th avenue, S. F. Location, east 18th north Balboa. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SCHOOLS—20 portable, frame, \$15,160. San Francisco. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. F. Warden presented the low bid for this work and will probably be awarded the contract. A complete list of the bids will be found under the heading of San Francisco in this issue. The same contractor was also low for the general construction of the Parkside School, a one-story frame building, at \$4,420.

STORES—1 story and base, brick, \$10,000. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. Location, 9th avenue and Cabrillo, covering an area of 25 by 100 feet. Will contain two stores and a market. Plans complete and figures being taken.

STORES AND OFFICES—6 story and base. Class A construction. Cost not stated. San Francisco. Architect, Kenneth MacDonald, Jr., Holbrook Bldg., S. F. Owner, John A. Hooper. Location, south Pine between Montgomery and Sansome. Preliminary plans only prepared and further details to be given when plans are more complete.

STORE—3 story and base. Class C construction, \$100,000. San Francisco. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, I. I. and B. C. Brown, leased to Newman Furniture Co. Location, southeast 17th and Mission streets, covering an area of 110 by 162½ feet. Plans complete and figures being taken.

THEATRE AND STORES—1 story and base. Class A construction, \$70,000. San Francisco. Architect, Benj. G. McDougall, Sheldon Bldg., S. F. Owner, Mrs. Mary E. Seidl. Location, southwest 10th avenue and Clement street. Will contain a theatre seating 1250 people and two stores. Plans being prepared.

APARTMENT HOUSE—3 story and base. Class C construction, \$25,000. San Francisco. Architect, A. W. Burgen, 20 Woodland avenue, S. F. Owner's name withheld. Location, Powell south Jackson, covering an area of 45 by 60 feet. Will contain 20 suites of two rooms each. Plans complete and figures being taken.

SEA WALL CONSTRUCTION—Cost as follows. San Francisco. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Three bids were received at the Thursday meeting of the State Board of Harbor Commissioners for constructing the sea wall between Jones and Hyde Sts. Approximately 45,000 tons of rock is required. Following is a complete list: Blake Bros., \$1.47 per ton, \$66,150; Healy-Thibbitts Construction Co., \$1.97 per ton, \$88,650; Daniel Contracting Co., \$1.51 per ton, \$67,950. An award of contract will be made at the next meeting of the Commission.

RESIDENCE—1½ story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Benjamin Fehnmann, 224 Brighton avenue, S. F. Location, north Cordova west Athens. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

LIBRARY—1 story and base, Class C construction. Cost not stated. San Francisco. Architect, Ernest G. Coxhead, Hearst Bldg., S. F. Owners, City and County of San Francisco. Location, Green and Octavia. Will contain two reading rooms, work space, office and stack rooms. Plans nearly complete.

RESIDENCES—4, 2 story and base, frame, \$2,000 each. San Francisco. Architects, E. P. Antonovich and H. E. Harris, Monadnock Bldg., S. F. Owners, Conservative Home Building Co., 1125 Fillmore street, S. F. Location, east Levant south States. Each dwelling will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 2 story and base, frame, \$4,500 to \$5,000. San Francisco. Architect, none. Owners, Allen Bros., 125 Sutter street, S. F. Location, east 28th avenue north California. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

Contracts Awarded.

SCHOOL ADDITION—2 story, frame \$23,436. San Francisco. Architect, City Department of Architecture, City Hall. S. F. Owners, City and County of San Francisco. Contractors, Monson Bros., 1907 Bryant street, S. F. Contract price, \$23,126.

City Bids Opened.

Board of Works Opens Bids for Three School Jobs and For Lighting Fixtures at Monday Meeting.

Bids were opened at the Monday meeting of the San Francisco Board of Public Works for the construction of twenty portable one-room frame school buildings; for the general construction of the two-story frame addition to be made to the Mission High School, and for the general construction of the new one-story frame Parkside School. Bids were also received for furnishing lighting fixtures for the Juvenile Detention Home.

All bids received a week ago for furnishing cedar poles for the Hetch-Hetchy project were rejected and new bids ordered advertised. Following is a complete list of the bids received:

Construction of 20 1-room Temporary Schools.

	Unit A
William Bateman	\$19,400 \$ 80.00
H. C. Matthies	18,650 35.00
T. McClenahan	17,840 65.00
Grace & Bernieri	19,850 74.00
Elmer Carlson	19,860 1,300.00
P. Garden	18,497 53.40
McSheehy Bros.	19,640 40.00
Anderson & Ringrose	21,990 50.00
Eos & O'Brien	19,680 80.00
P. Warden (low)	15,460 80.00
Newsom & Hennings	17,670 40.00

Lighting Fixtures, Juvenile Detention Home.

Thomas Day Co.	\$1,337.50
Ickelheimer Bros.	1,960.00
J. W. Burtchall (low)	1,295.00

General Construction, Parkside School

M. G. Zelinsky	\$5,750
O. C. Holt	4,950
L. Diognardi & C. Terramorse	5,296
J. Johnson	4,991
H. C. Matthies	5,395
E. W. Elliot	4,946
Elmer Carlson	5,718
Grace & Bernieri	4,856
G. A. Bos & J. H. O'Brien	5,122
Anderson & Ringrose	5,794
Newsom & Hennings	5,557
P. Warden (low)	4,420

General Construction, Mission High School Addition.

C. L. Wold	\$26,119
O. C. Holt	24,920
Caldwell & Son	24,654
Elmer Carlson	25,715
Grace & Bernieri	25,287
P. F. Reilly	27,600
Anderson & Ringrose	25,787
P. Warden	26,000
O. Monson (low)	23,436
Newsom & Hennings	25,983

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Am't.
2793	Lane	Knighy	5,600
2794	Sternheim	Macdonald	7,500
2795	Loree	Mullen	5,000
2796	Gordon	Reedy	2,000
2797	Kohn	Pegel	600
2798	Anderson	Gordon	3,000
2799	Burt	Moore	1,500
2800	Fahnmann	Olsen	2,000
2801	Gebauer	Gebauer	1975
2802	Jones	Jones	1,500
2803	Prostrom	Lindberg	2,750
2804	Lilaplis	Lilaplis	1,500
2805	Mission Dolores	Foley	3,000
2806	Boynton	Baker	3,000
2807	Mitchell	George	900
2808	Crowley	Crowley	2,000
2809	Nolan	Sherwood	2,000
2810	Samuelson	Olsen	3,000
2811	Woolworth	Pink	3,500
2812	Toner	Toner	1,800
2813	Marks	Montgomery	7483
2814	Same	Atlas	1,500
2815	Same	Schlimschek	2,000
2816	Same	Maudrell	2,225
2817	Cope	Ellingson	1,470
2818	Dunphy	Hemminka	5,000
2819	Young	Leckleifer	2,800
2820	Morris	Morris	2,800
2821	St. Francis Bldg.	Owner	3,500
2822	Oliver	Born	5,000
2823	Born	Born	3,500
2824	Winter Garden	Owner	400
2825	Rithmoeller	Owner	500
2826	Solari	Solari	400
2827	Stratford	Brumfield	400
2828	Lesser	Wn Hadwood	300
2829	Nilsson	Nilsson	2,000
2830	Nilsson	Nilsson	2,000
2831	Landucci	Greater City	1,000
2832	MacArthur	Owner	2,000
2833	Same	Same	2,000
2834	Same	Same	2,000
2835	Smith	Smith	2,000
2836	Eposite	Houle	2,000
2837	McLaughlin	Parrell	2,417
2838	D & S Invt.	Mauvais	1600
2839	Cadinatori	Dehenedetti	2,000
2840	W'n Pacific	Wagner	806

2841	Jorgensen	Galway	9610
2842	Sonne	Gilmour	3750
2843	Grundy	Griffin	838
2844	Same	Siogren	5554
2845	O'Brien	Gibbs	3534
2846	Same	Pac Str Iron	1700
2847	Same	Brandon	9730
2848	Same	Am Elec Eng	1279
2849	Same	De Luca	2700
2850	Swenson	Hanson	5000
2851	Ferrari	Ferrari	450
2852	Gharabaldi	Benedetti	400
2853	Gordon	Olson	1000
2854	Royal	Sorbi	600
2855	Wellguth	Koenig	700
2856	Main St. Iron	Owner	500
2857	Mitchell	Hansen	400
2858	Smith	Hauon	400
2859	Landen	Segurson	500
2860	Zaffiro	Maffei	8000
2861	Holladay	Schroder	6760
2862	S P Co.	Trobeck	4761
2863	Treadwell	Arnott	2700
2864	Martin	Campbell	5830
2865	Canella	Canepa	2350
2866	Roman Cath	Anderson	5000
2867	Koenig	Koenig	2000
2868	Koenig	Koenig	2000
2869	Nelson	Nelson	2500
2870	Nelson	Nelson	2500
2871	Brown	Brown	900
2872	Archbishop	Owner	1000
2873	Warneke	Mastro	450
2874	Castro	Nelson	2950
2875	Emporium	Dinwiddie	10000
2876	Sundborg	Olson	2500
2877	Brown	O'Sell	500
2878	Fehnmann	Matson	2000
2879	Lane	Lane	2500
2880	Pasterino	Ratto	4000
2881	Wark	Anderson	600
2882	Yorke	Leonard	1000
2883	Oakes	Vuckicevich	400
2884	Stand. Sanitary	Larsen	3250
2885	Hannon	Verner	400
2886	Allec	Caranza	2955
2887	Same	Mission	1040
2888	Alderson	Martin	11154

FRAME FLATS

(2793) N NINETEENTH 145 E Dolores
Three-story and basement frame (3) flats.

Owner.....K. M. Lane, 19 Dorland,
San Francisco.

Architect...None.

Contractor...C. L. Knight, 3662 19th St.,
San Francisco.

COST, \$5600

BRICK STORES

(2794) N BUSH 126-9 E Van Ness Ave.

One-story and basement brick stores

Owner.....B. F. Sternheim, Phelan
Bldg., San Francisco.

Architect...None.

Contractor...Macdonald & Kahn, Rialto
Bldg., San Francisco.

COST, \$7500

FRAME FLATS

(2795) E TWENTY-FOURTH AVE 175

N Clement. Two-story and basement

frame (2) flats.

Owner.....Mrs. Sadie Loree, 318 24th
Ave., San Francisco.

Architect...None.

Contractor...J. Mullen, 2018 Parker St.,
Berkeley.

COST, \$5000

(2796) S CORTLAND AVE 101-6 E

Mission. One-story and basement

frame dwelling.

Owner.....Annie Gordon, 36 Cortland
Ave., San Francisco.

Architect...None.

Contractor...Wm. M. Reedy, 157 Bronte,
San Francisco.

COST, \$2000

ALTERATIONS

(2797) NO. 2110 SCOTT. Alter and

add to dwelling.

Owner.....Geo. A. Kohn, Premises.

Architect...None.

Contractor...Frank Pegel, 366 10th Ave.,
San Francisco.

COST, \$6000

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not FOUR WHEEL DRIVE.

On the F-W-D Truck every wheel is a **Driving Wheel**. The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

FRAME RESIDENCE

(2798) E TWENTY-FIRST AVE 25 S
Anza Two-story and basement frame
residence.

Owner.....Anderson & Johnson, 256
Church, San Francisco.

Architect...None.
Contractor...Charles A. Johnson, 256
Church, San Francisco.
COST, \$3000

FRAME STUDIO

(2799) S GREEN 340 W Franklin. One
story frame studio.

Owner.....E. C. Burr, 1721 Vallejo
San Francisco.

Architect...H. H. Gutterson, 276 Post
San Francisco.
Contractor...Moore & Burlingame, 110
Jessie, San Francisco.
COST, \$1500

FRAME DWELLING

(2800) N GENEVA 75 E Vienna. Two-
story and basement frame dwelling.

Owner.....Benjamin Fahnenmann, 224
Brighton Ave., S. F.

Architect...None.
Contractor...H. C. Olsen, 338 Holloway
Ave., San Francisco.
COST, \$2000

FRAME DWELLING

(2801) W WEBSTER 50 S Filbert. One
story and basement frame dwelling

Owner.....Barthold Gebauer, 1761
Greenwich, San Francisco.

Architect...G. L. Streshly, 315 Lowell
San Francisco.
Day's work. COST, \$1975

ALTERATIONS

(2802) NOS. 1522-4-6 JACKSON. Re-
model present three-story frame flats
into (4) apartments.

Owner.....Dr. O. W. Jones, San An-
selmo, Cal.

Architect...J. W. Dolliver, 201 San-
some, San Francisco.
Day's Work. COST, \$1500

FRAME DWELLING

(2803) S BCSWORTH 75 W Diamond.
One and one-half-story and basement
frame dwelling.

Owner.....Frederick Brostrom, 1677
San Jose Ave., S. F.

Architect...None.
Contractor...Lindberg Bros., 257 Surrey.
San Francisco.
COST, \$2750

FRAME STORE

(2804) SE WEST CLAY & TWENTY-
Sixth Ave. One-story and basement
frame store.

Owner.....Anastasia Liapis, NE Pine
and Jones, San Francisco.

Architect...D. C. Coleman, 627 Market
San Francisco.
Day's work. COST, \$1500

ALTERATIONS

(2805) NO. 3321 SIXTEENTH. Alter
frame residence.

Owner.....Mission Dolores Church
Premises.

Architect...None.
Contractor...Brockhage, Foley & Green,
1326 Natoma, San Francisco
COST, \$3000

FRAME DWELLING

(2806) W TWENTIETH AVE 175 N
Balboa. Two-story and basement
frame dwelling.

Owner.....A. J. Boynton, 335 22nd

Ave., San Francisco.

Architect...None.

Contractor...J. H. Baker, 335 22nd Ave.,
San Francisco.

COST, \$3000

FRAME FLATS

(2807) E TWENTIETH AVE 200 S
Geary. Two-story and basement
frame (2) flats.

Owner.....Francis Mitchell, 450 18th
Ave., San Francisco.

Architect...D. H. Thanel, 1740 Clement
San Francisco.

Contractor...Grover George, 467 19th
Ave., San Francisco.
COST, \$5000

STAGE, ETC.

(2808) W MASONIC from Geary to St
Rose. Erect temporary stage, plat-
form, etc., for open air opera.

Owner.....Rev. Father Crowley, 315
St. Francis Hotel, S. F.

Engineer...W. H. Ellison, 251 Kearny
San Francisco.

Day's work. COST, \$2000

FRAME DWELLING

(2809) N CARRILLO 106-6 E 41st Ave.
One-story and basement frame dwlg.

Owner.....Nicholas Nolan, 404 Fell,
San Francisco.

Architect...None.
Contractor...Tavias, San Francisco.
COST, \$2000

FRAME DWELLING

(2810) W CURTIS 150 S Ralph. Two-
story and basement frame dwelling.

Owner.....A. M. Samuelson, 3732 21st,
San Francisco.

Architect...None.
Contractor...H. C. Olsen, 338 Holloway
Ave., San Francisco.
COST, \$2200

ALTERATIONS

(2811) NO. 891 MARKET. Remove old
show windows and install new ones

Owner.....F. W. Woolworth Co.,
Rialto Bldg., S. F.

Architect...None.
Contractor...Pink & Schindler Co., 228
13th, San Francisco.
COST, \$3900

ALTERATIONS

(2812) NO. 1193 DOLORES. Alter
dwelling into (2) flats.

Owner.....Mrs. Toner, 85 Henry, S. F.

Architect...Rhodes & Marisch, 3371
16th, San Francisco.
Day's work. COST, \$1800

ALTERATIONS

(2813) SE EDDY AND FRANKLIN E
57-6X8 120. All work except electric
work, etc., painting, etc., steam heat-
ing plant for alterations to three-
story frame building.

Owner.....Ellen Margery Jackson,
Elizabeth Grace Marks and
John L. Marks.

Architect...T. Patterson Ross, 310
California, San Francisco.

Contractor...E. J. Montgomery, 1320
Broadway, San Francisco.

Filed Sept. 23, '16. Dated Sept. 21, '16.
New partitions ready for lathing
Finish coat plaster on walls and
ceiling 1870

Completed and accepted 1870

Usual 35 days 1873

TOTAL COST, \$7483

Bond, \$3742. Sureties, Chas. Schlesinger
and John H. Brickwedel. Limit, 60 days

Forfeit, \$15. Plans and specifications
filed.

(2814) STEAM HEATING PLANT, HOT
water tank and heating oil burning
plant on above.

Contractor...Atlas Heating & Ventilat-
ing Co., 4th & Freelon, S. F.

Filed Sept. 23, '16. Dated Sept. 21, '16.
Roughed in \$675

Completed and accepted 675

Usual 35 days 450

TOTAL COST, \$1800

Bond, \$900. Sureties, A. Mique and G.
Tuck. Limit, fast as possible. Forfeit,
\$15. Plans and specifications filed.

(2815) ELECTRIC WIRING, BELLS
Telephones and door openers on
above.

Contractor...M. Schmitschek, 543
Hayes, San Francisco.

Filed Sept. 23, '16. Dated Sept. 21, '16.
Wiring roughed in \$503

Completed and accepted 504

Usual 35 days 336

TOTAL COST, \$1343

Bond, \$672. Sureties, Oscar H. Curtaz
and Juliette Driscoll. Limit, 60 days
Forfeit, \$15. Plans and specifications
filed.

(2816) PAINTING, TINTING AND
papering on above.

Contractor...H. Maundrell, 320 Hayes,
San Francisco.

Filed Sept. 23, '16. Dated Sept. 21, '16.
On 1st and 15th of each month 75%

Usual 35 days, 35% \$557

TOTAL COST, \$2221

Bond, \$1130. Surety, National Surety
Co. Limit, fast as possible. Forfeit,
\$15. Plans and specifications filed.

ALTERATIONS

(2817) N UNION, bet. Scott and Divisa-
dero. Alterations to two-story and
basement dwelling.

Owner.....Asenath H. Cope, Prem.

Architect...Albert Farr, 68 Post, S. F.

Contractor...E. Ellingson, Fairfax, Cal.

Filed Sept. 23, '16. Dated Sept. 22, '16.
Plastering completed \$551

Completed and accepted 551

Usual 35 days 368

TOTAL COST, \$1476

Bond, \$740. Surety, New Amsterdam
Casualty Co. Limit, 33 days from filing
contract. Forfeit, \$5. Plans and speci-
fications filed.

FRAME FLATS

(2818) E ASHBURY 75 N Grove. Two
story and basement frame (2) flats.

Owner.....A. P. Dunphy, Cr. Contractor

Architect...None.
Contractor...Hemminga Bros., Inc., 1600
Fell, San Francisco.
COST, \$5000

ALTERATIONS

(2819) NO. 2464 MISSION. Alter store
front.

Owner.....Jos. Young, 827 Guerrero,
San Francisco.

Architect...None.
Contractor...Jos. A. Lechleiter, 946 Dia-
mond, San Francisco.
COST, \$800

FRAME DWELLING

(2820) W TENTH AVE 150 S Balboa.
Two-story and basement frame dwlg.

Owner.....A. T. Morris, 501 11th Ave.,
San Francisco.

Architect...None.
Day's work. COST, \$2800

FRAME RESIDENCE
(2821) S TERRACE DRIVE 140 E
Portola Drive. One-story and base-
ment frame residence.
Owner.....St. Francis Home Bldg. Co.,
278 Post, San Francisco.
Architect...H. H. Gutterson, 278 Post
San Francisco.
Day's work. COST, \$3500

FRAME RESIDENCE
(2822) LOT 2 Ashbury Terrace. Two-
story and basement frame residence.
Owner.....W. S. Oliver.
Architect...None.
Contractor...S. A. Born Bldg. Co., Lin-
coln Manor, San Francisco.
COST, \$5000

FRAME RESIDENCE
(2823) UOT 19 LINCOLN MANOR. All
work for two-story and basement
frame residence.
Owner.....S. A. Born Bldg. Co., 660
Market, San Francisco.
Architect...None.
Day's work. COST, \$3500

ELECTRIC SIGN
(2824) SE SUTTER AND PIERCE.
Erect electric sign.
Owner.....Winter Garden Co., Prem.
Architect...None.
Contractor...Novelty Elec. Sign Co., 165
Eddy, San Francisco.
COST, \$400

ALTERATIONS
(2825) NO. 731 BRANNAN. Raise and
alter building.
Owner.....John C. Rithmoeller, Prem.
Architect...None.
Day's work. COST, \$500

CONCRETE BULKHEAD
(2826) NO. 620 RAIL ROAD AVE. Con-
crete bulkhead and underpin.
Owner.....Louis Solari, 924 Rail Road
Ave., San Francisco.
Architect...None.
Day's work. COST, \$100

ELECTRIC SIGN
(2827) NO. 236 POWELL. Electric
sign.
Owner.....Stratford Buffet, Premises
Architect...None.
Contractor...Brumfield Elec. Sign Co.,
18 7th, San Francisco.
COST, \$400

ALTERATIONS
(2828) NO. 983 MARKET. Alter store
front.
Owner.....Lessor Bros., Premises.
Architect...None.
Contractor...Western Hardwood Mfg
Company.
COST, \$900

FRAME DWELLING
(2829) N SANTA YNEZ 60 E Otsego
One-story and basement frame dwlg
Owner.....N. F. Nilsson, 355 Cole-
ridge, San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME DWELLING
(2830) N SANTA YNEZ 85 E Otsego.
One-story and basement frame dwlg
Owner.....N. F. Nilsson, 355 Cole-
ridge, San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME DWELLING
(2831) NE OAKDALE 25 SE Quint
One-story and basement frame dwlg
Owner.....Lorenzo Landucci, 1880
Oakdale, San Francisco.
Architect...None.
Contractor...Greater City Lumber Co.
Army & Alabama, S. F.
COST, \$1000

FRAME DWELLING
(2832) W MADRID 50 S Peru. One-
story and basement frame dwelling.
Owner.....MacArthur Bros., 1560 Fell
San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME DWELLING
(2833) W MADRID 25 S Peru. One-
story and basement frame dwelling.
Owner.....MacArthur Bros., 1560 Fell
San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME DWELLING
(2834) SW MADRID AND PERU. One-
story and basement frame dwelling.
Owner.....MacArthur Bros., 1560 Fell
San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME LAUNDRY
(2835) W BAKER 50 S Sutter. Two-
story frame laundry.
Owner.....R. C. Smith, 334 Mason
San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME FLATS, ETC.
(2836) E MISSION 70 N Geneva being
Lot 8 Blk 1, Crocker Amazon Tract.
All work for two-story frame store
and flat.
Owner.....Primo Degli Esposito.
Architect...None.
Contractor...D. Houle, 660 Market, S. F.
Filed Sept. 25, '16. Dated Sept. 23, '16.
Rough frame up.....\$775
Brown coated.....775
Job completed.....775
Usual 35 days.....775
TOTAL COST, \$3100
Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

CLASS "C" FACTORY
(2837) SW NINTH 212-6 SE Harrison
SE 62-6xSW 185. All work for two-
story Class "C" brick factory.
Owner.....M. A. McLaughlin.
Architect...W. H. Crim Jr., 425 Kear-
ny, San Francisco.
Contractor...Farrell & Reed, M. A.
Gunst Bldg., S. F.
Filed Sept. 25, '16. Dated Sept. 14, '16
2nd floor joists set.....\$634.25
Roof on and brick work com-
pleted.....634.25
Completed and accepted.....634.25
Usual 35 days.....634.25
TOTAL COST, \$25,417.00
Bond, \$12,709. Surety, The Aetna Acci-
dent & Liability Co. Limit, Dec. 1, 1916
Forfeit, \$20. Plans and specifications
filed.

FLOORING, ETC.
(2838) SW HYDE AND ELLIS 74-4x
57-6. All work for furnishing, lay-
ing, surfacing and finishing oak
floors in building.
Owner.....D. & S. Investment Co.
Architect...None.
Contractor...W. W. Hayes.

Sub-Contractor...Roy Mauvais, 1555 Oak
Oakland.
Filed Sept. 25, '16. Dated Sept. 21, '16.
Before 10th of each month.... 75%
Usual 25 days..... 25%
TOTAL COST, \$1600
Bond, \$800. Sureties, M. S. Neugress and
Thos. B. Pheby. Limit, forfeit, plans
and specifications, none.

FRAME FLATS
(2839) W RUTH bet. Watson Pl & Mis-
sion, NE Cor. Watson Place. All
work except window shades, elec-
tric and gas fixtures and finish
hardware for one-story and base-
ment frame flats.
Owner.....Giovanni Cadimattori, Prem
Architect...None.
Contractor...A. Debendetti, 20 Cotter,
San Francisco.
Filed Sept. 25, '16. Dated Sept. 23, '16.
Frame up and roof on.....\$300
Brown coated..... 560
Completed and accepted..... 560
Usual 35 days..... 580
TOTAL COST, \$2000
Bond, \$1000. Sureties, G. Cavnagarc
and Joseph A. Florio. Limit, 90 days
fram granting permit. Forfeit, none.
Plans and specifications filed.

PAINTING, ETC.
(2840) NEAR JUNCTION SE end of
Fremont and E end of Brannan.
All work for painting exterior of
passenger and freight shed at Pier
No. 34 Waterfront.
Owner.....The Western Pacific Rail
Road Co., Mills Bldg., S. F.
Architect...None.
Contractor...H. F. and C. W. Wagner,
530 Gough, San Francisco.
Filed Sept. 25, '16. Dated Sept. 20, '16.
On completion..... 75%
36 days after..... 25%
TOTAL COST, \$806
Bond, none. Limit, 30 days. Forfeit,
plans and specifications, none.

FLATS
(2841) E TWENTY-SECOND AVE 140
S California S 30x E 120 O L 161. All
work except painting and paper
hanging for three-story flats.
Owner.....Edw. E. Jorgensen, 644
Kearny, San Francisco.
Architect...Edw. Musson, 58 Fout Ave.
San Francisco.
Contractor...R. F. Galway, 701 Oak,
San Francisco.

Filed Sept. 26, '16. Dated Sept. 16, '16.
Ready for plaster.....\$2402.50
On completion of all plastering
..... 2402.50
Completed and accepted..... 2402.50
Usual 35 days..... 2402.50
TOTAL COST, \$9610.00
Bond, none. Limit, 110 days. Forfeit,
plans and specifications, none.

FRAME FLATS
(2842) S EIGHTEENTH 55 E Lexing-
ton Ave 25x85. All work except
plumbing, painting and electrical
work for two-story frame flats.
Owner.....G. P. Sonne, 520 Valencia
San Francisco.
Architect...Theo. W. Lenzen, Hum-
boldt Bank Bldg., S. F.
Contractor...Geo. D. Gilmour, 1933
Howard, San Francisco.
Filed Sept. 26, '16. Dated Sept. 21, '16.
Frame up.....\$938
Brown coated..... 937
Completed and accepted..... 937
Usual 35 days..... 938
TOTAL COST, \$3730

Bond, \$1950. Sureties, Richard J. Dunigan and Margaret Limmour. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(2843) COM 208-5½ W on SW 17th and Guerrero W 25-4% x S 50. Painting, tinting, paper hanging and rubbing for buildings at 4 to 6 Railroad Ave and 537 to 547 Guerrero.

Owner.....Edmund and Annie T. Grundy, 4 Railroad Ave., San Francisco. x

Architect...T. Patterson Ross, 310 California, San Francisco.

Contractor...F. Griffin, 5 Juri, S. F. Filed Sept 26, '16. Dated Sept. 25, '16.

When 537 to 547 Guerrero street buildings completed\$175
Primed 200
Completed and accepted..... 253
Usual 35 days..... 210

TOTAL COST, \$383

Bond, none. Limit, 30 days after notification. Forfeit, \$5. Plans and specifications filed.

FRAME RESIDENCE

(2844) COM 208-5½ N frm SW 17th & Guerrero W 25-4% x S 50. All work except painting, tinting, paper hanging, rubbing, for two-story and basement frame residence.

Owner.....Edmund and Annie T. Grundy, 4 Railroad Ave., San Francisco.

Architect...T. Patterson Ross, 310 California, San Francisco.

Contractor...Sjogren Bros., 3058 Army, San Francisco.

Filed Sept. 26, '16. Dated Sept. 25, '16.

Roof rafters in place.....\$1041
Brown coated 1041
Standing finish on..... 1041
Completed and accepted..... 1041
Usual 35 days..... 1330

TOTAL COST, \$5554

Bond, \$2800. Sureties, Edward Ross and G. S. Turner. Limit, 75 days. Forfeit, \$10. Plans and specifications filed.

PLUMBING, ETC.

(2845) S BUSH 137-6 E Mason E 45-6 x S 137-6. Plumbing, gas fitting and sewer for four-story and basement apartments.

Owner.....O'Brien Bros., Inc. Architect...O'Brien Bros., Inc., 240 Montgomery, S. F.

Contractor...J. Gibbs, 2505 California, San Francisco.

Filed Sept. 26, '16. Dated Sept. 19, '16.

On 15th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$3534

Bond, none. Limit, 60 days after notification. Forfeit, none. Plans and specifications filed.

(2846) POST CAPS, BASE PLATES, wall plates, anchors, bond iron, steel girders, lintels, bay framing, fire escapes, etc., on above.

Contractor...Pacific Structural Iron Works, 370 10th, S. F.

Filed Sept. 26, '16. Dated Sept. 23, '16.

Payments same as above.....

TOTAL COST, \$1700

Bond, none. Limit, 30 days after ready for material. Forfeit, none. Plans and specifications filed.

(2847) COMMON AND PRESSED brick work, flues, fire wall, sill cementing, etc., on above.

Contractor...Brandon & Lawson, 180

Jessie, San Francisco.

Filed Sept. 26, '16. Dated Sept. 13, '16.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$9730

Bond, none. Limit, 40 days after completion of concrete walls. Forfeit, none. Plans and specifications filed.

(2848) ELECTRIC WIRING ON ABOVE

Contractor...American Elec. Eng. Co., 1723 Polk, San Francisco.

Filed Sept. 26, '16. Dated Sept. 19, '16.

Payments same as above.....

TOTAL COST, \$1279

Bond, none. Limit, 60 days from Oct. 1, 1916. Forfeit, none. Plans and specifications filed.

(2849) EXCAVATING, CONCRETE, cement work, filling, levelling, bulk-heading, trenching, reinforcing, rat proofing, concrete flooring, side walk, stepping, and bedding on above.

Contractor...R. De Luca, 2256 Jones, San Francisco.

Filed Sept. 26, '16. Dated Sept. 15, '16.

On 15th of each month..... 75%

Usual 35 days..... Balance

TOTAL COST, \$2700

Bond, none. Limit, 15 days. Forfeit, \$5. Plans and specifications filed

FRAME DWELLING

(2850) NO. 2620 TWENTY-SECOND One-story and basement frame dwlg

Owner.....Miss Gustava Swenson, Premises.

Architect...None.

Contractor...A. Hanson, 2104 24th, S. F.

COST, \$500

ALTERATIONS

(2851) E CAROLINA 25 S 20th. Underpin, etc., for dwelling.

Owner.....A. Ferrari 533 ½ Missouri, San Francisco.

Architect...None.

Day's work. COST, \$450

FRAME SHED

(2852) W MISSION 50 N Theresa. One-story frame shed.

Owner.....G. Gharabaldi, 14 Harrington, San Francisco.

Architect...None.

Contractor...A. Benedetti, 20 Cotter, San Francisco.

COST, \$400

FRAME DWELLING

(2853) S SAN JOSE 249-6 E Foote. One-story and basement frame dwelling.

Owner.....Mary Gordon, 2561 San Jose San Francisco.

Architect...None.

Contractor...Harry Olson, Norton Hotel, San Francisco.

COST, \$1000

ALTERATIONS

(2854) NO. 489 MADRID. Alter dwlg.

Owner.....L. Rovai, Premises.

Architect...None.

Contractor...A. Sorbi, 353 Edinburgh, San Francisco.

COST, \$600

ALTERATIONS

(2855) NE BUCHANAN AND TURK. Alter bakery.

Owner.....W. Wellguth, 1335 Jackson, San Francisco.

Architect...None.

Contractor...F. Anderson, 1941 15th,

San Francisco.

COST, \$700

ADDITION

(2856) E MAIN 100 N Howard. Alter dining room.

Owner.....Main Street Iron Works, 163 Main, San Francisco.

Architect...None.

Day's work. COST, \$500

FOUNDATION

(2857) NO. 3112 BUCHANAN. Brick foundation and underpin.

Owner.....H. Mitchell, Premises.

Architect...None.

Contractor...F. J. Hansen, 1872 Union, San Francisco.

COST, \$400

RETAINING WALL

(2858) NE POWERS 100 SE Mission Erect retaining wall.

Owner.....J. P. Smith, 15 Powers San Francisco.

Architect...None.

Contractor...C. C. W. Haun, 180 Jessie, San Francisco.

COST, \$400

ADDITION

(2859) S STILLMAN 355 E Fourth. Add 3 stories to dwelling.

Owner.....J. Landen, 284 Stillman, San Francisco.

Architect...None.

Contractor...Geo. M. Segurson, 308 Guerrero, San Francisco.

COST, \$600

FRAME FLATS

(2860) NW POLK AND CHESTNUT 33-6x85 All work for two-story and basement frame flats.

Owner.....Frank Landy Zaffiro Biagini, 354 Divisadero, S. F.

Architect...Louis Mastropasqua, 580 Washington, S. F.

Contractor...Paul Maffei, 231 Pixley, San Francisco.

Filed Sept. 27, '16. Dated Sept. 20, '16.

Roof on\$2000

1st coat plaster on..... 2000

Completed and accepted..... 2000

Usual 35 days..... 2000

TOTAL COST, \$5000

Bond, \$4000. Sureties, Vincent Lence and P. Giovannetti. Limit, 100 days.

Forfeit, none. Plans and specifications filed.

BRICK OFFICE BUILDING

(2861) E VAN NESS AVE 71 S Bush S 22-8x E 59. All work for one-story and basement brick office building.

Owner.....Caroline H. Holladay, wf of E. E., Clay and Octavia, San Francisco.

Architect...Albert W. Burgren, 30 Woodward Ave., S. F.

Contractor...Schroder Bros., 765 Folsom San Francisco.

Filed Sept. 27, '16. Dated Sept. 26, '16.

1st floor joists in place.....\$1690

Roof on 1690

Completed and accepted..... 1690

Usual 35 days..... 1690

TOTAL COST, \$6760

Bond, \$3380. Sureties, Jno. Schmidt and Geo. Rehn. Limit, 60 days. Forfeit, \$5.

Plans and specifications filed.

FRAME FREIGHT SHED

(2862) ON BLK BDED BY SIXTEENTH Harrison, 15th and Alabama. All work for frame freight house (owner

to furnish 130 bbls. cement).
Owner.....Southern Pacific Co.
Architect.....None.
Contractor...B. A. Trobeck & Co., 230
Judah, San Francisco.
Filed Sept. 27, '16. Dated Sept. 12, '16.
At end of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$4761
Bond, \$2400. Surety, The Aetna Accident
& Liability Co. Limit, 60 days.
Forfeit, none. Plans and specifications
filed.

FRAME COTTAGE
(2863) E THIRTY-SECOND AVE 150
S Taraval 25x120. All work for one
and one-half-story frame cottage.
Owner.....Laura C. Treadwell, 1308
6th Ave., San Francisco.
Architect...Jas. A. Arnott.
Contractor...Jas. Arnott & Son, 517 Noe,
San Francisco.
Filed Sept. 27, '16. Dated Sept. 8, '16.
Ready for plaster..... 25%
Building plastered..... 25%
Completed..... 25%
Usual 35 days..... 25%
TOTAL COST, \$2100
Bond, none. Limit, Dec. 8, 1916. For-
feit, none. Plans and specifications
filed.

FRAME FLATS
(2864) E CLAYTON 25 S Fulton S 25
x E 106-3. Grading, concrete, car-
penter, plumbing, painting, tinning,
plastering, mill work, hardware, glass
mantels, and window shades for two-
story frame flats.
Owner.....George J. and Ysabel M.
Martin, 448 Broderick, S. F.
Architect.....None.
Contractor...J. V. Campbell, 1040 Bry-
ant, San Francisco.
Filed Sept. 27, '16. Dated Sept. 25, '16
Frame up.....\$1093
Brown coated..... 1093
Completed..... 1093
Usual 35 days..... 1458
TOTAL COST, \$5830
Bond, none. Limit, 90 days from Sept
30, 1916. Forfeit, \$3. Plans and spec-
ifications filed.

FRAME BUILDING
(2865) S FILBERT 102-6 E Jones E
20xS 137-6. All work for two-story
and basement frame building.
Owner.....Vincent and Rosa Cancilla,
117 Valparaiso, S. F.
Architect.....None.
Contractor...Louie Caramella and G.
Canepa.
Filed Sept. 27, '16. Dated Sept. 23, '16.
Frame up and roof on.....\$587.50
Plaster on..... 587.50
Completed and accepted..... 587.50
Usual 35 days..... 587.50
TOTAL COST, \$2350.00
Bond, \$1175. Sureties, Carlo Bernero
and Luigi Arata. Limit, 60 days after
Sept. 25. Forfeit, \$1. Plans and spec-
ifications filed.

CLASS "C" BUILDING
(2866) ON BLK BDED BY CENTRAL
Ave., Waller St. and Buena Vista Ave.
Lathing, plastering and exterior ce-
menting for Class "C" building.
Owner.....Roman Catholic Archbishop
of San Francisco.
Architect...Matthew O'Brien, 68 Post,
San Francisco.
Contractor...Anderson & Ringrose, 320
Market, San Francisco.
Sub-Contractor...Greenback Plastering
Co., 110 Jessie, S. F.

Filed Sept. 27, '16. Dated Sept. 20, '16.
Lathing completed.....\$1000
Interior brown coated..... 1000
Completed..... 1750
Usual 35 days..... 1250
TOTAL COST, \$5000
Bond, \$2500. Surety, Massachusetts
Bonding P Insurance Co. Limit, forfeit,
none. Plans and specifications, none.

FRAME RESIDENCE
(2867) E LISBON 225 N Russia. One-
story and basement frame residence.
Owner.....Chas. J. U. Koenig, 520
Church, San Francisco.
Architect.....None.
Day's work..... COST, \$2000

FRAME RESIDENCE
(2868) E LISBON 200 N Russia. One-
story and basement frame residence.
Owner.....Chas. J. U. Koenig, 520
Church, San Francisco.
Architect.....None.
Day's work..... COST, \$2000

FRAME DWELLING
(2869) W TWENTY-NINTH AVE 134
N Irving. One and one-half-story and
basement frame dwelling.
Owner.....F. Nelson, 2701 Lincoln
Way, San Francisco.
Architect.....None.
Day's work..... COST, \$2500

FRAME DWELLING
(2870) E TWENTY-NINTH AVE 200
N Irving. One and one-half-story and
basement frame dwelling.
Owner.....F. Nelson, 2701 Lincoln
Way, San Francisco.
Architect.....None.
Day's work..... COST, \$2500

FRAME DWELLING
(2871) S SPRINGDALE 756-6 W Mis-
sion. One story and basement frame
dwelling.
Owner.....Jas. Brown, 753 Bush, S. F.
Architect.....None.
Day's work..... COST, \$900

RETAINING WALL
(2872) N BUSH 113-2 E Stockton. Con-
struct retaining wall.
Owner.....Roman Catholic Arch-
bishop of S. F.
Architect.....None.
Day's work..... COST, \$1000

ALTERATIONS
(2873) NO. \$89 HAIGHT. Alter store
front.
Owner.....A. Warneke, 847 Haight,
San Francisco.
Architect.....None.
Contractor...John Mastro, 1755 Geary,
San Francisco.
COST, \$450

FRAME DWELLING
(2874) E TWENTY-FIRST AVE 50 S
Anza. Two-story and basement frame
dwelling.
Owner.....W. S. Castro, 462 30th, S. F.
Architect.....None.
Contractor...Nelson Bros., 493 7th Ave.,
San Francisco.
COST, \$2950

CLASS "B" LOFTS
(2875) N JESSIE 175 E Fifth. Eight-
story and basement with mezzanine
Class "B" lofts and service bldg.
Owner.....The Emporium, 835 Market,
San Francisco.
Architect...Morris M. Bruce, Flood
Bldg., San Francisco.

Contractor...The Dinwiddle Constr. Co.,
606 Crocker Bldg., S. F.
COST, \$100,000

NOTE:—Job started.

FRAME DWELLING
(2876) E EIGHTEENTH AVE 30 S
Quintara. Two-story and basement
frame dwelling.
Owner.....M. Sundborg, 357 4th, S. F.
Architect.....None.
Contractor...H. C. Olson, 338 Holloway
Ave., San Francisco.
COST, \$2000

ALTERATIONS
(2877) SE MISSION & SEVENTEENTH
Move store 40' south, alter front, con-
crete foundation and ratproof base-
ment.
Owner.....I. I. Brown, Nevada Nat'l.
Bank Bldg., San Francisco.
Architect.....None.
Contractor...Daniel O'Neill, 273 Minna,
San Francisco.
COST, \$2500

FRAME DWELLING
(2878) S ROLPH 75 E Newton. One-
story and basement frame dwelling.
Owner.....Benjamin Fehnmann, 244
Brighton, San Francisco.
Architect...E. A. Herman, Folsom and
Precita Ave., S. F.
Contractor...Albert Matson, Folsom nr.
Cortland, San Francisco.
COST, \$2000

FRAME DWELLING
(2879) E COLLINGWOOD 100 S 21st.
Two-story and basement frame dwlg.
Owner.....John L. Lane, 425 Colling-
wood, San Francisco.
Architect...N. W. Mohr, 45 Kearny,
San Francisco.
Day's work..... COST, \$2500

FRAME FLATS
(2880) NE RUSSELL AND EASTMAN.
Two-story and basement frame (2)
flats.
Owner.....Louis Pasterino, Premises.
Architect.....None.
Contractor...A. Ratto, 232 Hartford,
San Francisco.
COST, \$4000

CLASS "C" STORES
(2881) W VALENCIA 70 N 14th. One
story Class "C" stores.
Owner.....J. R. Carrick, San Mateo.
Architect.....None.
Contractor...Gustave Anderson, 2330
24th, San Francisco.
COST, \$6000

ALTERATIONS
(2882) E ALABAMA 200 S 24th. Ex-
tend present building for reading
room.
Owner.....Rev. Peter C. Yorke, 1200
Florida, San Francisco.
Architect...Frank T. Shea & John O.
Lofquist, 742 Market, S. F.
Contractor...John J. Leonard, Phelan
Bldg., San Francisco.
COST, \$1000

ALTERATIONS
(2883) S TWENTY-THIRD 100 W Dia-
mond. Alter basement for garage
Owner.....C. W. Oakes, 4211 23rd,
San Francisco.
Architect.....None.
Contractor...M. E. Vuklichevich, 1442 Tar-
aval, San Francisco.
COST, \$400

ALTERATIONS

(2884) ON BLUXOME, bet. 5th and 6th.
All work for alterations and additions
to building.

Owner.....The Standard Sanitary
Manufacturing Co., Rialto
Bldg., San Francisco.

Architect...Chas. P. Weeks, Mutual
Bank Bldg., San Francisco.
Contractor...Larsen-Sampson Co.,
Crocker Bldg., S. F.

Filed Sept. 28, '16. Dated Sept. 21, '16.
Completed and accepted.....\$2437.50
Usual 35 days.....812.50

TOTAL COST, \$3250.00
Bond, \$1625. Surety, New Amsterdam
Casualty Co. Limit, forfeit, none. Plans
and specifications filed.

FRAME FLATS

(2885) S LIBERTY 205 W Church W
25xS 114. All work for two-story and
basement frame flats.

Owner.....M. and Mary A. Hannon,
24th and San Bruno, S. F.
Architect...None.

Contractor...J. H. Verner, 1921 23rd,
San Francisco.

Filed Sept. 28, '16. Dated Sept. 18, '16.
Roof on\$1100
Brown coated1100
Completed1100
Usual 35 days.....1100

TOTAL COST, \$4400
Bond, \$2200. Sureties, E. Erikson and
Ragnhild M. R. Verner. Limit, 90 days.
Forfeit, \$2. Plans and specifications
filed.

CARPENTER WORK

(2886) W FOLSOM 198 S 17th W 122-6
S 150 E 122-6 N to beg. Carpenter
work for two-story reinforced con-
crete dyeing and cleaning works.

Owner.....Jean Allec, 2143 Folsom,
San Francisco.

Architect...August G. Headman, Call
Bldg., San Francisco.

Contractor...G. Caranza & Bro., 374
Shotwell, San Francisco.

Filed Sept. 29, '16. Dated Sept. 26, '16.
On list of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$2935
Bond, \$1475. Sureties, D. Firenze and
S. Pegannini. Limit, as soon as possible
Forfeit, \$20. Plans and specifications
filed.

(2887) MARBLE WORK AND HARD-
WARE ON ABOVE.

Contractor...Mission Marble Works, 363
Guerrero, San Francisco.

Filed Sept. 29, '16. Dated Sept. 19, '16.
Material delivered on job.....\$300
Completed and accepted.....450
Usual 35 days.....260

TOTAL COST, \$1010
Bond, \$520. Sureties, Geo. M. Eastman
and Morris Stulsaft. Limit, without de-
lay. Forfeit, \$20. Plans and speci-
fications filed.

FRAME DWELLING

(2888) S GREEN 171 W Divisadero S
137-6xW 34. All work for two-story
attic and basement frame dwelling.

Owner.....Cordelia R. Alderson, 937
Ashbury, San Francisco.

Architect...Albert Farr, 68 Post, S. F.
Contractor...Wm. Martin, 110 Jessie,
San Francisco.

Filed Sept. 29, '16. Dated Sept. 28, '16.
Rafters in position.....\$1673.50
Ready for plaster.....1673.00
Plaster completed1673.00
Sash glazed and 2nd story, attic

and basement trim set.....1673.00
Completed and accepted.....1673.00
Usual 35 days.....2788.50

TOTAL COST, \$11,154.00
Bond, \$5577. Sureties, Edwin T. Peterson
and D. O. Druffel. Limit, 100 days.
Forfeit, none. Plans and specifications
filed.

NOTICES OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Sept. 26, 1916—NO. 2500 WASHING-
ton. Bruce F. Foulkes and Mrs. W.
T. Renison, extr. Est. M. K. Foulkes,
dec'd, as to improvements on leased
property
Sept. 28, 1916—N ELLIS 90 W Stock-
ton W 47-6xN 137-6. Union Savings
Bank & Trust Co. Tr. and Union
Square Invest Co. as to improvements
on leased property.....

LEASES.

Sept. 27, 1916—NO. 711 GOLDEN GATE
Ave. Strauss Realty Co. to Germaine
Chaulmin. 1 year. \$720 with option
to renew.
Sept. 27, 1916—NO. 191 FOURTH, NE
Cor. Howard. Fourth Street Co. to
Gerry Lucas and Peter Costello, as-
signed Sept. 27, 1916 by Peter Cos-
tello to Jerry Lucas.
Sept. 28, 1916—NO. 2662 BAKER and
2729 Union. Julius Reimer to Geo.
Theophanopoulos. 5 years. \$4080.
Sept. 28, 1916—GEARY, KEARNY AND
Market. H. P. Flannery to H. A. Thom
Wohrden and L. Hoecker. 4 years 6
months. \$425 per month.
Sept. 23, 1916—NO. 659 CLAY S line
bet. Montgomery and Kearny. Louis
C. Buck and wife to Victor Schmidt
5 years. \$3600.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED
Sept. 21, 1916—E TWENTY-THIRD
Ave. 225 S Clement S 25x E 120.
Jeremiah Breslin to whom it may
concern.....Sept. 1, 1916
Sept. 21, 1916—E MASON 137-6 N
Post N 40x E 75. C. J. Keenan to C.
J. Keenan.....Sept. 21, 1916
Sept. 21, 1916—NW SANSOME AND
Bush N 137-6xW 97-6. Standard Oil
Co. by P. J. Walker, Agent to W. P.
Fuller & Co.....Sept. 11, 1916
Sept. 22, 1916—S VALLEJO 50-0 1/2 E
Lyon S 137-6 W 55-0 1/2 N 137-7 1/2 E
50-0 1/2. J. J. Tynan to J. Pasquelatti
.....Sept. 18, 1916
Sept. 22, 1916—W FAIR OAKS 24 N
24th N 21x90. Marion Silva to whom
it may concern.....Sept. 23, 1916
Sept. 23, 1916—SE BRYANT & DORE
85x90. Mary E. Burke to James P.
Burke.....Sept. 19, 1916
Sept. 23, 1916—S CASSELLI 628 W
Dougllass W 75xS 96. Ernest B.
Ericksson to whom it may concern
.....Sept. 18, 1916
Sept. 25, 1916—S BALBOA 123 W 19th
Ave W 25xS 100. Ellen A. Purcell
to whom it may concern.....Sept. 23, '16
Sept. 25, 1916—SE HAYES AND OC-
tavia E 62-6xS 120. Daniel M. Moran
to Pacific Wall Bed Co. Frank La
Torres.....Sept. 22, 1916
Sept. 25, 1916—E COMMONWEALTH
Ave 128 N Geary N 29x170. Henry

C. Hellwig to Thos. Scoble.....
.....Sept. 20, 1916
Sept. 25, 1916—S GEARY 111 W 39th
Ave W 25xS 100. J. T. Hilzinger, Sr.
to W. Davies.....Sept. 25, 1916
Sept. 26, 1916—N JACKSON 72-1 W
Franklin W 60xN 127-8 1/4. Meyer
Wood to Schrader Iron Works....
.....Sept. 20, 1916
Sept. 26, 1916—N JACKSON 132-1 W
Franklin W 60xN 127-8 1/4. Annie
Peyser to Schrader Iron Works....
.....Sept. 20, 1916
Sept. 26, 1916—SE UNION & TAYLOR
E 27-6xS 75. G. Torre to C. Rosina
& Co.....Sept. 26, 1916
Sept. 26, 1916—NO. 3445 WASHING-
ton. Mrs. L. R. Harris to L. A. Kern
.....Sept. 8, 1916
Sept. 27, 1916—W MISSION 240-9 N
Onondaga Ave N 160-6 W 274-7 1/2 S
160 E 261-6. G. Capurro to A. Brisa
and J. Canepa.....Sept. 26, 1916
Sept. 27, 1916—N CLEMENT 82-6 W
24th Ave W 25xN 100. Jno. L. David-
son to J. W. Marsden.....Sept. 25, 1916
Sept. 27, 1916—N GEARY 47-6 E Lar-
kin E 40 N 137-6 W 27 S 57-6 W
12-6 S 80. H. H. Helbush to G. L.
Woerner.....Completed
Sept. 27, 1916—S MINNA 470 W Third
40x70. Frederick Marriott Sr. to
Jno. Spargo.....Sept. 20, 1916
Sept. 27, 1916—SW TWENTY-SIXTH
and Folsom W 170 S 150-9 1/4 m. or
1 S 86 deg 35 min E 175 m. or 1 N 173
Cogswell Polytechnical College to
Lange & Bergstrom.....Sept. 20, 1916
Sept. 28, 1916—415 FORTY-FOURTH
Ave. Lot 22 Outside Lands Bk 225
Map of Blks 224 and 225. Rich-
mond District. Anna Jensen to
whom it may concern.....Sept. 20, 1916
Sept. 28, 1916—S MAYNARD 350 W
Craut W 25x100. Jno. Christensen
to whom it may concern.....Sept. 28, 1916
Sept. 28, 1916—LOT 10 BLK 6. Crocker
Amazon Tract. Gussie A. Meyer to
whom it may concern.....
.....Sept. 28, 1916
Sept. 29, 1916—S RIVERA 60 W 21st
Ave 30x100. N. F. Nilsson to whom
it may concern.....Sept. 29, 1916
Sept. 29, 1916—N SPEAR & POLSOM
NE 127-6xNW 137-6. San Francisco
Warehouse Co. to Frasier & Frasier
.....Sept. 28, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED AMOUNT
Sept. 21, 1916—NW VIENNA 200 NE
Italy Ave NE 25xNW 100. J. G.
Guerrin & Co vs John and Camelia
Russo and C. A. Jeffers.....\$54.65
Sept. 21, 1916—W VIENNA 200 NE
Italy Ave NE 25x100. C. Mancini vs
C. A. Jeffers and Joseph Russo.....\$206.25
Sept. 21, 1916—W GUERRERO 65 N
17th. J. F. Trenary, \$66.05; J. S.
Guerrin, \$186.50 vs J. and L. Fitz-
patrick, Hofmeister & Berdahl and
Pacific Concrete & Mosaic Co.....
Sept. 21, 1916—W GUERRERO 65 N
17th. Pacific Concrete & Mosaic
Co vs J. and L. Fitzpatrick and Hof-
meister & Berdahl.....\$545
Sept. 21, 1916—N PACIFIC 97-6 W
Sansome W 41 N 57-6 E 1 N 11-3
E 40 S 68-9. Joseph Pasquelatti vs
Abraham Hilson, Gee Wo Co and
Sept. 21, 1916—W GUERRERO 65 N
17th N 25xW 55. City Protective
Won Hink\$1237.64
Elec Co vs Hofmeister & Berdahl
and Jas and Lillian Fitzpatrick.....\$175

Sept. 22, 1916—SW FOURTEENTH Ave and California W 90xS 100. Harry Beach (as Beach Elec Co) vs Louis Friedman, Samuel Gerson and W L Hemminga, Inc.....\$924

Sept. 22, 1916—NW VIENNA 200 NE Italy Ave NE 25xNW 100. Acme Lumber Co vs John and Camella Russo and C A Jeffers.....\$112.25

Sept. 22, 1916—W SEVENTEENTH Ave 246-1 S California S 25xW 120. California Plate & Window Glass Co vs Jno F and Myrtle Gallagher and E F Helms.....\$84.20

Sept. 23, 1916—N EVANS Ave 258-6 E Railroad Ave E 50xN 100 BIK 53 S S F H & R R Ass'n. J P Holland and vs C P Robinson, Wm W and Bertha Gray and Maud D Elliot.....\$242.50

Sept. 23, 1916—W GUERREIRO 65 N 17th N 25xW 85. Mutual Plate & Window Glass Co vs Jas and Lillian Fitzpatrick.....\$72

Sept. 23, 1916—W SEVENTEENTH Ave 141-6 S California S 25xW 120. J G Guerin & Co vs John T and Myrtle M Gallagher, E F Helms and F Stephens.....\$134.08

Sept. 11, 1916—N BERNARD 160-6 W Jones W 23xN 60. W P Fuller & Co vs P H Grell and P Bellegarde.....\$59

Sept. 25, 1916—W SEVENTEENTH Ave 141.5 S California S 25xW 120. Andrew Wagner vs John T and Myrtle M Gallagher and E F Helms.....\$33

Sept. 23, 1916—E COLLINS 321-8 N Geary N 25xE 120. S F Lumber Co vs Wm F and Jeanette Yates, H Fourness, Stella H and E W Lick.....\$359.63

Sept. 26, 1916—E COLLINS 321-8 N Geary N 25xE 120. W F Goss vs W F and Jeanette Yates and Stella H and E Lick.....\$150

Sept. 26, 1916—SW FOURTEENTH Ave and California W 90xS 100. Mangrum & Otter vs Louis Friedman, Samuel Gerson and W L Hemminga, Inc.....\$368

Sept. 27, 1916—SW FOURTEENTH Ave and California W 90xS 100. Modern Sheet Metal Works, \$312; M H Gnecco, \$80 vs Louis Friedman, Samuel Gerson and W L Hemminga

Sept. 27, 1916—SW CALIFORNIA AND 14th Ave W 90xS 100. H A Chalmers, \$1756.60; Jas E Lennon Lime & Cement Co, \$150.55 vs W L Hemminga, Inc, Louis Friedman and Samuel Gerson.....\$159.35

Sept. 28, 1916—SW CALIFORNIA AND 14th Ave W 90xS 100. The Dean Reversible Window Co, Inc vs W L Hemminga, Inc; Louis Friedman and Samuel Gerson.....\$159.35

Sept. 28, 1916—SW UNION & SCOTT 52-6x110. J S Guerin & Co vs Mrs E S Tuttle Bray, Richard Sinnott, Chas Alsop and L B Melano.....\$400

Sept. 28, 1916—SW UNION & SCOTT S 52xW 110. J S Guerin & Co, \$89; Macdonald Lumber Co, \$49.03 vs E S Tuttle Bray, Richard Sinnott and Chas Alsop and W H Daniel.....\$400

Sept. 29, 1916—SW FOURTEENTH Ave and California W 90xS 100. New Era Marble & Concrete Co vs Louis Friedman, Samuel Gerson and W L Hemminga, Inc.....\$25.50

Sept. 29, 1916—W SEVENTEENTH Ave 25 N California N 75xW 75. Joost Hardware Co vs The Realty Investment Co and Albert A Russell.....\$75.38

Sept. 29, 1916—SW CALIFORNIA AND

14th Ave W 90xS 100. Edwin G Benkman, \$61; Akard Door Opener Co, \$75 vs Louis Friedman, Samuel Gerson and W L Hemminga, Inc.....\$885.25

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on October 5th for street improvements authorized under the following resolutions: That Euclid avenue from a line parallel to and 15 feet south from the north line of Hearst avenue, north to the north line of Wheeler Tract and vine street from Euclid avenue to Le Roy avenue, be improved as follows: That the roadways be graded, concrete curbs, water inlets, vitrified pipe and cast iron concrete culverts with branches and man-holes and concrete steps with end walls, be constructed; the roadway be paved with brick pavement laid on a 4-inch concrete base.

PAVING, ETC.—Cost as follows, Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. The Western Construction Co. was the lowest bidder among five for the construction of the reinforced concrete paving for the fill in along San Lorenzo Creek on A street. Its bid was \$4,140.50. The other bidders were: M. E. Fernandez, \$4,256; P. Mathiesen, \$4,642; Thos. B. Russell, \$4,747; H. M. Dain, \$5,513. The Western Construction Co. also received the contract for oiling and screening a portion of the Redwood road. The contract price is \$1,339. A H. Kopperud was the next nearest bidder, \$1,832.40 and P. H. Moore, \$2,817.50.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The City Council has awarded a contract to the Oakland Paving Co., 5000 Broadway, Oakland, for the following work: That portions of Fulton street between Allston Way and Dwight Way be graded; construct concrete curbs and gutters and the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete base 5 inches thick.

APARTMENT HOUSE—3 story and base, brick, \$40,000. Berkeley, Alameda Co., Cal. Architects, Richardson & Burrell, Oakland. Owner's name withheld. Location, Durant near Telegraph. Will contain 21 apartments of two, three and four rooms. Plans nearly complete and work to be carried on under the direction of Sommarstrom Bros., 202 East 12th street, Oakland.

APARTMENT HOUSE—6 story and base. Class A and Class C construction. \$175,000. Oakland, Cal. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owners, Sommarstrom Bros., 214th and Telegraph avenue, Oakland. Location 22nd and Broadway, covering an area of 166 by 165 feet. Will contain 150 rooms arranged in two and three room apartments. Twelve stores will occupy the first floor. Plans are complete and figures are being taken for the steel, fireproofing and elevator work. Bids on other parts of the work will be taken shortly.

RESIDENCE—2 story and base, frame, \$6,000. San Leandro, Alameda Co., Cal. Architects, Schlirmer-Bugbee Co., Dalziel Bldg., Oakland. Owner's name withheld. Location, Foothill Boulevard. Will contain eight rooms, two baths, sleeping porch and separate garage. Plans being prepared.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, E. D. Hanna. Location, south Elwood west Valla Vista. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, George H. Hollidge, 5926 Taft avenue, Oakland. Location, south-east Broadway and Taft avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, Frederick Parsons, 1925 Russell street, Berkeley. Location, west Colby south Webster. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 2 story and base, frame, \$1,500 each. Oakland, Cal. Architect, Frederick Whitton, 251 Kearny street, S. F. Owners, Wickham Havens Co., 1208 Broadway, Oakland. Locations Kenmore avenue, Boulevard Way and Boulevard Way and Kenmore. Each dwelling will contain eight rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, Alfred Vords, First Savings Bank Bldg., Oakland. Location, north Lakeshore avenue east Howard. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$3,500 each. Oakland, Cal. Architect, none. Owner, George W. Nunes, 5430 Dover street, Oakland. Location, Roos and Chabot Road and west Roos north Chabot Road. Each dwelling will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, A. N. Hill, 2311 Curtis street, Berkeley. Location, 2311 Curtis street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,200 each. Berkeley, Alameda Co., Cal. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, A. Samuels. Location, West Berkeley. Each house will contain five rooms and bath. Plans being prepared.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect, none. Owner, John Gelder, 1131 53rd street, Oakland. Location, west West street north 45th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SEWER CONSTRUCTION—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 11th at 12 noon for sewer construction authorized under the follow-

ing resolution: That a sewer having an internal diameter of 8 inches be constructed along Whittle avenue from Fruitvale avenue to lot 6 of the Ellen Stotts Tract No. 1; that 3 brick manholes, a lamphole with top of brick and cast iron, Y branches having 5-inch openings; the aforesaid proposed sewer, Y branches and lamphole (except the top thereof) shall be constructed of vitrified sewer pipe.

FLAT ALTERATION—2 story and base, frame, \$3,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owner, Mrs. Lindbrom. Location, Hillegass and Parker streets. Work will consist of altering a two-story frame residence into four modern flats. Plans complete and figures being taken.

FACTORY—1 story, steel and galvanized iron, \$100,000. Oakland, Cal. Architect, none. Owners, Judson Mfg. Co., 819 Folsom street, S. F. Location, Foot of Park street, covering an area of 300 by 300 feet. Complete steel frame, exterior covered with galvanized iron. Plans being prepared and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, C. S. Nichols, 2768 Baker street, Berkeley. Location, north Ward street east Mable. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, C. S. Nichols, 2768 Baker street, Berkeley. Location, north Ward east Mable. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, P. S. Walsh, 495 Rich street, Oakland. Location, south Rich east Telegraph. Will contain five rooms; bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, George Ferguson, Elmhurst Hotel, Elmhurst. Location, north Hillside east 90th avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Albany, Alameda Co., Cal. Architect, none. Owner, A. H. Pallen, 696 61st street, Oakland. Location, west Santa Fe avenue south Solano. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOL—1 story and base, Class C construction, \$26,000. Albany, Alameda Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Albany School District. Contractor, G. B. Holenbeck, Thomson Bldg., Oakland. general construction, \$17,500; J. C. Hurley Co., S. F., heating and ventilating, \$991. A complete list of these bids will be found under the heading of Oakland and Alameda County in this issue.

MACHINE SHOP—1 story, brick and concrete, \$9,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. Location, near Broadway, cov-

ering an area of 100 by 100 feet. Plans being prepared.

HOSPITAL ADDITION AND WARD—1 and 2 story, frame, \$25,000. Oakland, Cal. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owners, Alameda County. Bids will be opened on October 30th for the construction of a two-story addition to the main building and for a one-story contiguous ward. Plans can be secured from the County Clerk.

HOSPITAL—6, 1 story frame wards, \$15,000. San Leandro, Alameda Co., Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners Alameda County. Bids will be opened on October 30th for the construction of six tuberculosis wards at the Alameda County Tubercular Hospital. Plans can be secured from the County Clerk.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, I. A. Kellogg, 3404 Champion street, Oakland. Location, west Rhoda avenue north Montana. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,100. Berkeley, Alameda Co., Cal. Architect, W. L. Broderick, 1201 Colusa avenue, Berkeley. Owner, D. E. Hurtig. Location, Edith near Jaynes. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

Contracts Awarded

SCHOOL—1 story and base. Class C construction, \$34,816. Albany, Alameda Co., Cal. Architect, J. J. Donovan Perry Bldg., Oakland. Owners, Albany School District. Contractor, E. E. Etherton, Monadnock Bldg., S. F. Contract price, \$34,816.

BIDS RECEIVED FOR OAKLAND STORE JOBS.

Architect Charles W. McCall to Shortly Award Contract for Work at Shortland and Franklin Streets.

The following bids were opened in the office of Architect Charles W. McCall, Central Bank Bldg., Oakland, for constructing two one-story brick store buildings and for extensive alterations to a three-story brick building adjoining.

Fred W. Diehl is the owner and the property effected is located at the corner of Second and Franklin streets, Oakland. A contract has not been awarded, but will probably be given to the low man.

Bids for Commercial Buildings.

A. D. Nelson	\$14,881.00
Alfred Olson	15,225.00
John Bartlett	15,420.00
N. W. Place	16,134
Anthony & Heyer	16,135.00
Schnebly, Hostawser & Pedgrift	16,429.80
W. C. Thornalley	16,700.00
Christensen Bros.	17,200.00
Cederborg & Anderson ..	17,297.00
Alfred Peterson	17,350

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Am't.
2265	Christie	Strang	3500
2266	Gelder	Gelder	1600
2267	Dunseont	Larmer	2500
2268	Newcombe	Wieland	100
2277	Havens	Whitton	6013
2278	Same	Same	4390
2279	Same	Same	4396
2280	Same	Same	4381
2281	Olsen	Nottingham	900
2282	Nunes	Nunes	3250
2283	Same	Same	3000
2284	Thompson	Neal	2000
2285	Steele	Spence	1000
2286	Piedt Elec	Schnebly	500
2287	Cords	Cords	3000
2288	Phelps	Broad	500
2289	Williams	Knight	6300
2290	Romie	Scott	400
2291	Falgratt	Hillegass	400
2292	Hanna	Hanna	1750
2293	Hollidge	Hollidge	2500
2294	Hollidge	Hollidge	2500
2295	McGauley	Ayers	1550
2296	Waller	Stewart	3000
2297	Waller	Stewart	2000
2298	Porte	Carlson	6035
2300	Hazman	Sims	3500
2304	Ferguson	Ferguson	1900
2305	Walsh	Walsh	1600
2306	Castle	Anthony	800
2307	Jones	Hayes	700
2308	Albany	Nail	2920
2309	Pallen	Pallen	2500
2312	Jurgens	Maganini	11762
2313	Williams	Knight	1000
2314	Kellogg	Kellogg	1600
2315	Finney	Quigley	700
2316	Friedman	Friedman	400
2317	Clark	Henery	400
2318	W. S.	Donald	15000
2330	Albany	Etherton	34816
2333	Diehl	Nelson	17634
2334	St. Paul's Ch.	Imperial	1309

FRAME RESIDENCE

(2265) N HARVARD 160 W Portsmouth; Lot 17 Lakewood Park, Piedmont. Two-story 7-room frame residence.

Owner.....Mrs. E. P. Christie, 485 Stowe Ave., Oakland.

Architect.....None.

Contractor.....V. N. Strang, 805 Pacific Ave., Alameda.

COST, \$3500

DWELLING

(2266) W WEST 67 N 45th, Oakland.

One-story 5-room dwelling.

Owner.....John Gelder, 1131 53rd, Oakland.

Architect.....None.

Day's work.....

COST, \$1600

DWELLING

(2267) E BELVEDERE 300 N Ygnacio, Oakland. One-story 5-room dwlg

Owner.....J. L. Dunseont, 6082 Claremont Ave., Oakland.

Architect.....None.

Contractor.....E. W. Larmer, 470 Boulevard Way, Oakland.

COST, \$2500

Garage

(2268) E ALVARADO ROAD 350 S Encalypthus Road, Oakland. Garage.

Owner.....H. B. Newcombe.

Architect.....None.

Contractor.....C. F. Wieland.

COST, \$400

DWELLING

(2277) SE BOULEVARD WAY AND Kenmore Ave., Oakland. Two-story

6-room dwelling.

Owner.....Wickham Havens, Inc., 1308 Broadway, Oakland.

Architect.....None.

Constr. Manager.....Frederick Whitton 257 Kearny, San Francisco.

COST, \$6012

DWELLING

(2278) S BOULEVARD WAY 116 E
Kenmore Ave., Oakland. Two-story
6-room dwelling.
Owner.....Wickham Havens, Inc., 1308
Broadway, Oakland.
Architect...None.
Constr. Manager..Frederick Whitton,
257 Kearny, San Francisco.
COST, \$1390

DWELLING

(2279) S BOULEVARD WAY 170 E
Kenmore Ave., Oakland. Two-story
six-room dwelling.
Owner.....Wickham Havens, Inc., 1308
Broadway, Oakland.
Architect...None.
Constr. Manager..Frederick Whitton,
257 Kearny, San Francisco.
COST, \$1396

DWELLING

(2280) E KENMORE AVE 204 S
Boulevard Way, Oakland. Two-story
six-room dwelling.
Owner.....Wickham Havens, Inc., 1308
Broadway, Oakland.
Architect...None.
Constr. Manager..Frederick Whitton,
257 Kearny, San Francisco.
COST, \$1431

HEATING SYSTEM

(2281) SE FORTY-SECOND & PIED-
mont Ave., Oakland. Heating system.
Owner.....Edwin Olsen, Bay View
Drive, Oakland.
Architect...None.
Contractor..W. K. Nottingham, 466 41st,
Oakland.
COST, \$900

DWELLING

(2282) NW ROSS AND CHABOT ROAD
Oakland. Two-story 7-room dwelling.
Owner.....Geo. W. Nunes, 5430 Dover,
Oakland.
Architect...None.
Day's work. COST, \$3250

DWELLING

(2283) W ROSS 50 N Chabot Road,
Oakland. Two-story 6-room dwlg.
Owner.....Geo. W. Nunes, 5430 Dover,
Oakland.
Architect...None.
Day's work. COST, \$3000

DWELLING

(2284) W BROADWAY 60 S Ada, Oak-
land. One-story 5-room dwelling.
Owner.....Mrs. Louie Thompson, 2107
12th Ave., Oakland.
Architect...None.
Contractor..Joseph Neal, 3307 College
Ave., Berkeley.
COST, \$2000

REPAIRS

(2285) NO. 330 SANTA CLARA AVE.,
Oakland. Fire repairs.
Owner.....Della Steele, Premises.
Architect...None.
Contractor..A. T. Spence, 641 Taylor
Ave., Alameda.
COST, \$1000

ADDITION

(2286) NO. 3978 PIEDMONT AVE., Oak-
land. Addition.
Owner.....Piedmont Elec. Co., Prem.
Architect...None.
Contractor..Schnebly, Hostrowser &
Pedgrift, 6th and Jackson,
Oakland. COST, \$500

DWELLING

(2287) N LAKESHORE AVE 311 E
Harvard Road, Oakland. One-story 6-
room dwelling.
Owner.....Alfred Cords, 1st Savings
Bank Bldg., Oakland.
Architect...None.
Day's work. COST, \$3000

ADDITION

(2288) NO. 2111 DURANT AVE., Oak-
land. Addition.
Owner.....R. L. Phelps, 2011 Durant
Ave., Oakland.
Architect...None.
Contractor..A. H. Broad, 2117 Kitt-
ridge, Oakland.
COST, \$500

FLATS

(2289) W EIGHTH AVE 115 S E-17th,
Oakland. Two-story 14-room dwlg.
Owner.....Geo. R. Williams, 1930 10th
Ave., Oakland.
Architect...Chester H. Miller, 1st
Savings Bank Bldg., Okd.
Contractor..Harry C. Knight, 1514
Havenscourt Blvd., Oakland
COST, \$6300

ALTERATIONS

(2290) SE TWELFTH AND JACKSON
Oakland. Alterations.
Owner.....F. E. and K. T. Romle, 126
Lester Ave., Oakland.
Architect...None.
Contractor..G. A. Scott, 685 23rd, Okd.
COST, \$400

TILE OVEN

(2291) NO. 5339 GROVE, Oakland
Tile oven.
Owner.....Falsgratt, Premises.
Architect...None.
Contractor..E. E. Hillegas, 508 Jones
Oakland.
COST, \$400

DWELLING

(2292) S ELWOOD 70 W Valla Vista,
Oakland. One-story 5-room dwelling
Owner.....E. D. Hanna
Architect...None.
Day's work. COST, \$1750

DWELLING

(2293) SE BROADWAY AND TAFT
Ave., Oakland. One-story 6-room
dwelling.
Owner.....Geo. H. Hollidge, 5926 Taft
Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(2294) E BROADWAY 50 S Taft Ave.,
Oakland. One-story 6-room dwelling
Owner.....Geo. H. Hollidge, 5926 Taft
Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

ADDITION

(2295) W TWENTY-FIFTH AVE 500
N E-25th, Oakland. Two-story 3-room
dwelling.
Owner.....Minna T. McGauley, 2777
25th Ave., Oakland.
Architect...None.
Contractor..R. B. Ayers, 2356 E-27th
Oakland.
COST, \$1550

FRAME DWELLING

(2296) N HARVARD ROAD, Lakewood
Park, Piedmont. One-story 6-room
frame dwelling.

Owner.....C. D. Wallar.
Architect...None.
Contractor..B. A. Stewart, 8 Fairview,
Piedmont.
COST, \$3000

FRAME DWELLING

(2297) N HARVARD ROAD, Lakewood
Park, Piedmont. One-story 6-room
frame dwelling.
Owner.....C. D. Wallar.
Architect...None.
Contractor..B. A. Stewart, 8 Fairview,
Piedmont.
COST, \$3000

FRAME DWELLING

(2298) LOTS 14 AND 15 BLK 5 Map
Thousand Oaks, —. All work for
two-story 9-room frame dwelling and
garage.
Owner.....C. L. Porter, 2184 Shattuck
Ave., Berkeley.
Architect...W. L. Brodrick, 1201 Col-
usa Ave., Berkeley.
Contractor..Axel Carlson, 1351 Hearst
Ave., Berkeley.
Filed Sept. 27, '16. Dated Sept. 26, '16.
Frame up and chimney completed 1/4
Brown coated 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4
TOTAL COST, \$6035

Bond, none. Limit, 75 days. Forfeit,
none. Plans and specifications filed.

DWELLING

(2300) LOT 26 BLK 21 Melrose Heights
Tract, being S Foothill Boulevard 40
E Cole, Oakland. All work for one-
story 6-room dwelling and garage.
Owner.....Alfred B. Hagman, 263
Pleasant, Oakland.
Architect...None.
Contractor..Wm. H. Sims, 1926 64th
Ave., Oakland.
Filed Sept. 27, '16. Dated Sept. 23, '16.
Already paid \$ 200
Frame up 625
Interior plaster and plumbing
completed 625
Completed and accepted..... 1075
Usual 35 days..... 625
Promissory notes 350
TOTAL COST, \$3500
Bond, none. Limit, 75 days. Forfeit,
none. Plans and specifications, none.

DWELLING

(2304) N HILLSIDE 340 E 90th Ave.,
Oakland. One-story 5-room dwelling.
Owner.....George Ferguson, Elm-
hurst Hotel, Oakland.
Architect...None.
Day's work. COST, \$1900

DWELLING

(2305) S RICH 300 E Telegraph Ave.,
Oakland. One-story 5-room dwlg.
Owner.....P. S. Walsh, 495 Rich,
Oakland.
Architect...None.
Day's work. COST, \$1600

GARAGE

(2306) N VAN BUREN 90 W Perkins,
Oakland. Garage.
Owner.....Elizabeth C. Castle, 109
Bonita Ave., Piedmont.
Architect...None.
Contractor..Anthony & Heyer, Dalziel
Bldg., Oakland.
COST, \$800

DWELLING

(2307) S GEORGIA 185 E Maple Ave.,
Oakland. One-story 3-room dwelling

Owner.....H. Z. Jones, 524 9th, Okd.
 Architect.....None.
 Contractor.....E. W. Hayes, 824 3rd Ave.,
 Oakland. COST, \$700

ROOF
 (2308) MAIN ST., Albany. Tar and
 gravel roof.
 Owner.....Albany School District.
 Architect.....W. H. Weeks, 75 Post, S. F.
 Contractor.....Nall & Bishop, 930 41st,
 Oakland. COST, \$2020

DWELLING
 (2309) W SANTA FE AVE 240 S So-
 lano, Albany. One-story 5-room dwlg
 Owner.....A. H. Hallen, 686 61st, Okd.
 Architect.....None.
 Day's work. COST, \$2500

CLASS "A" STORES
 (2312) NW FIFTEENTH AND CLAY
 W 100XN 103-9, Oakland. Carpenter
 work, exterior finish, interior finish,
 stair hardware, flag staff and street
 fences for eight-story Class "A" store
 and loft building.
 Owner.....The Chas. Jurgens Co., Inc.,
 373 13th, Oakland.
 Architect.....Walter Matthews, 987
 Broadway, Oakland.
 Contractor.....J. P. Maganini, 2227 Mar-
 ket, Oakland.

Filed Sept. 28, '16. Dated Sept. 14, '16.
 On-fifth completed\$1764.30
 Two-fifths completed 1764.30
 Three-fifths completed 1764.30
 Four-fifths completed 1764.30
 Completed 1764.30
 Usual 35 days 2940.50
 TOTAL COST, \$11,762.00

Bond, \$5882. Sureties, Wm. Hamelin
 and H. L. Manning. Limit, as soon as
 possible. Forfeit, none. Plans and
 specifications filed.

FLATS
 (2313) W EIGHTH AVE, bet. E-16th
 and E-17th, Oakland. All work for
 two-story flats.
 Owner.....Geo. R. Williams, 1930 10th
 Ave., Oakland.
 Architect.....Chester H. Miller, First
 Savings Bank Bldg., Okd.
 Contractor.....H. C. Knight, 1514 Havens-
 court Blvd, Oakland.

Filed Sept. 28, '16. Dated Sept. 21, '16.
 Owner to pay all bills each week.
 TOTAL COST, 10% of price
 Bond, none. Limit, forfeit, none. Plans
 and specifications filed.

DWELLING
 (2314) W RHODA AVE 250 N Montana
 Oakland. One-story 5-room dwlg.
 Owner.....L. A. Kellogg, 3104 Cham-
 pion, Oakland.
 Architect.....None.
 Day's work. COST, \$1600

WORKSHOP
 (2315) SW TWENTY-SEVENTH AND
 Telegraph Ave, Oakland. One-story
 4-room workshop.
 Owner.....James E. Finney, 536 18th,
 Oakland.
 Architect.....None.
 Contractor.....C. E. Quigley, 383 Palm
 Ave., Oakland. COST, \$700

ALTERATIONS
 (2316) SW SIXTEENTH AND CLAY,
 Oakland. Alterations
 Owner.....M. Friedman, Premises.
 Architect.....None.
 Day's work. COST, \$400

SHED
 (2317) GLASCOCK, bet. Peterson and
 Derby, Oakland. Shed.
 Owner.....Clark & Henery Constr.
 Co., 1st Savings Bank Bldg.,
 Oakland.
 Architect.....None.
 Day's work. COST, \$400

FRAME ADDITION
 (2318) S SEVENTEENTH 100 E Broad-
 way, Oakland. One-story frame addi-
 tion to Post Office.
 Owner.....United States Government.
 Architect.....James J. Donellan, Bacon
 Bldg., Oakland.
 Contractor.....J. C. McDonald, Bacon Bldg
 Oakland. COST, \$15,000

BRICK SCHOOL
 (2330) ALBANY. One-story and base-
 ment brick and concrete school.
 Owner.....Board of Education of
 Albany.
 Architect.....J. J. Donovan, Perry Bldg.,
 Oakland.
 Contractor.....E. E. Etherton, Monad-
 nock Bldg., San Francisco. COST, \$34,816

BRICK STORES, ETC.
 (2333) (1)X THIRD 75 E Franklin 75
 feet frontage; (2) E Franklin 50 S
 Second, 75 feet frontage; (3) SE Cor.
 Second and Franklin 50x75, Oakland.
 All work for two one-story brick
 store buildings and alterations to 3-
 story brick building.

Owner.....Fred W. Diehl, 338 11th,
 Oakland.
 Architect.....Chas. W. McCall, Central
 Bank Bldg., Oakland.
 Contractor.....A. D. Nelson, Oakland.
 Filed Sept. 29, '16. Dated Sept. 28, '16.
 Brick walls of building No. 1 up
 to ceiling joist level.....\$1560
 Brick walls completed and joists
 in place 1510
 Steel erected in building No. 3. 1050
 Brick walls and roof joists com-
 pleted in bldg. No. 2..... 1300
 Rough plumbing in on building
 No. 1 1960
 Rough plumbing in bldg. No. 2 1450
 Awnings in place on the 3 bldgs 2710
 All completed and accepted..... 1684
 Usual 35 days..... 4410
 TOTAL COST, \$17,634

Bond, \$8817. Sureties, Mary E. Nelson
 and W. G. Dean. Limit, 45 days. For-
 feit, none. Plans and specifications filed

WATERPROOFING, ETC.
 (2334) SE BAY PLACE & MONTECITO
 Ave., Oakland. Waterproofing, base-
 ment and brick walls, painting stone
 joints, cleaning and painting gutters,
 etc., on St. Paul's Church.
 Owner.....Rector, Warden & Vestry-
 men of St. Paul's Church,
 Oakland.
 Architect.....Benj. G. McDougall, Shel-
 don Bldg., San Francisco.
 Contractor.....Imperial Co., 183 Steven-
 son, San Francisco.

Filed Sept. 29, '16. Dated Sept. 26, '16.
 59 days after completed and ac-
 cepted\$1309
 TOTAL COST, \$1309
 Bond, none. Limit, 25 days. Forfeit,
 none. Specifications only filed.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2269	Stauffer	Paulson	20900
2270	Same	Same	7000
2271	Hill	Hill	1500
2272	Logan	De Kay	1000
2273	Boardrow	Boardrow	400
2274	Glide	Boldt	16596
2275	Parsons	Parsons	2500
2276	Walker	Cederborg	5698
2299	Walker	Cederborg	5698
2301	Jackson	Riddell	1000
2316	Wm Kalsomine	Owner	450
2311	Nichols	Nichols	2000
2319	U. C.	Clinton	63250
2320	Same	MacGruer	13334
2321	Same	Forderer	4976
2322	Same	McLeran	14776
2323	Same	Knowles	42350
2324	Same	Musto	4785
2325	Same	Scott	16965
2326	Same	Same	14050
2327	Same	Otis	2990
2328	Same	Newberry	29930
2329	Same	Johns	753
2331	Weeks	Spittler	400
2332	Pugh	Mason	3060
2335	Roberts	Jacobson	1832

CLASS "A" FACTORY

(2269) FIFTH AND SNYDER, Ber-
 keley. Two-story 6-room Class "A"
 factory.

Owner.....Stauffer Oil Co., 624 Cal-
 ifornia, San Francisco.
 Architect.....None.
 Contractor.....Paulson & Marini, 3831
 17th, San Francisco. COST, \$20,000

NOTE:—Building one-half completed

CLASS "A" WAREHOUSE

(2270) FIFTH AND SNYDER, Ber-
 keley. One-story Class "A" ware-
 house.

Owner.....Stauffer Oil Co., 624 Cal-
 ifornia, San Francisco.
 Architect.....None.
 Contractor.....Paulson & Marini, 3831
 17th, San Francisco. COST, \$7000

NOTE:—Building one-half completed

DWELLING

(2271) NO. 2311 CURTIS, Berkeley.
 One-story 6-room dwelling.
 Owner.....A. N. Hill, Premises.
 Architect.....None.
 Day's work. COST, \$1500

DWELLING

(2272) E NELSON 175 W Watkins,
 Berkeley. One-story 4-room dwlg.
 Owner.....Chas. F. Logan, 1529 Car-
 linton, Berkeley.

Architect.....None.
 Contractor.....De Kay & Co., 2147 Center
 Berkeley. COST, \$1000

GARAGE

(2273) NO. 1438 ARCH, Berkeley
 Garage.
 Owner.....C. E. Boardrow, 1432 Arch,
 Berkeley.
 Architect.....None.
 Day's work. COST, \$400

DWELLING

(2274) UPLAND AND HILL CREST be-
 ing Lots 1 and 2 Blk 16 (Map No. 2),
 Claremont, Berkeley. All work ex-
 cept excavation, concrete and paint-
 ing for two-story frame dwelling.
 Owner.....Mrs. L. H. Glide.
 Architect.....Julia Morgan, Merchants
 Exchange Bldg., S. F.
 Contractor.....Wm. L. Boldt, 2610 Grove
 Berkeley.

Filed Sept. 25, '16. Dated Sept. 21, '16.
 3rd day of each month..... 75%

Usual 35 days..... 25%
TOTAL COST, \$16,696
 Bond, \$8350. Sureties, Geo. H. Derrick
 and Wm. E. Swank. Limit, forfeit,
 none. Plans and specifications filed.

DWELLING

(2275) W COLBY 265 S Webster, Ber-
 keley. One-story dwelling.
 Owner.....Frederick Parsons, 1925
 Russell, Berkeley.
 Architect...None.
 Day's work..... COST, \$2500

DWELLING

(2276) E BENVENUE AVE 200 N
 Stuart, Berkeley. Two-story 8-room
 dwelling.
 Owner.....Mrs. N. M. Walker, 1917
 Parker, Berkeley.
 Architect...None.
 Contractor..Cederborg & Anderson, 1033
 Poplar, Oakland.
 COST, \$5693

FRAME DWELLING

(2299) LOT 17 BLK "A" Berry Bangs
 Tract, Berkeley. All work for two-
 story frame dwelling.
 Owner.....Nellie M. Walker, 1917
 Parker, Berkeley.
 Architect...None.
 Contractor..A. Cederborg and A. H.
 Anderson, 1033 Poplar, Okd
 Filed Sept. 27, '16. Dated Sept. 21, '16.
 Frame up 1/4
 Brown coated 1/4
 Completed and accepted..... 1/4
 Usual 35 days..... 1/4
TOTAL COST, \$5693
 Bond, \$4259. Surety, U. S. Fidelity &
 Guaranty Co. Limit, 90 days. Forfeit,
 \$3 per day. Plans and specifications
 filed.

ALTERATIONS

(2301) PANORAMIC WAY & MOSS-
 wood Road, Berkeley. Alterations and
 additions.
 Owner.....H. F. Jackson, 1 Orchard
 Lane, Berkeley.
 Architect...None.
 Contractor..Riddell Bldg. Service Cor-
 poration, 2247 Telegraph
 Ave., Berkeley.
 COST, \$1000

WAREHOUSE

(2310) THIRD AND GRAYSON, Ber-
 keley. Warehouse.
 Owner.....West Coast Kalsomine Co.,
 Premises.
 Architect...None.
 Day's work..... COST, \$450

DWELLING

(2311) N WARD 350 E Mabel, Berkeley.
 One-story 5-room dwelling.
 Owner.....C. S. Nichols, 2768 Baker,
 Berkeley.
 Architect...None.
 Day's work..... COST, \$2000

CONCRETE BUILDING

(2319) UNIVERSITY OF CALIFORNIA
 Campus, Berkeley. Excavating, grad-
 ing, and concrete for three-story re-
 inforced concrete building to be
 known as Chemistry Building.
 Owner.....University of California.
 Architect...John Galen Howard, 604
 Mission, San Francisco.
 Contractor..Clinton Constr. Co., 140
 Townsend, San Francisco.
 COST, \$65,250

(2320) EXTERIOR CEMENT FINISH
 on above.

Contractor..MacGruer & Co., 258 Con-
 necticut, San Francisco.
 COST, \$13,334

(2321) ROOFING AND SHEET METAL
 work on above.

Contractor..Forderer Cornice Works,
 269 Potrero Ave., S. F.
 COST, \$4976

(2322) INTERIOR FURRING, LATH-
 ing and plastering on above.

Contractor..Knowles & Mathewson,
 Call Bldg., San Francisco.
 COST, \$14,776

(2323) CARPENTRY AND CABINET
 work on above.

Contractor..McLeran & Peterson,
 Sharon Bldg., S. F.
 COST, \$43,250

(2324) MARBLE AND TERRAZZO
 work on above.

Contractor..Joseph Musto Sons-Keenan
 Co., 565 North Point, S. F.
 COST, \$4785

(2325) PLUMBING ON ABOVE.

Contractor..Scott Co., 243 Minna, S. F.
 COST, \$16,965

(2326) HEATING AND VENTILATING
 on above.

Contractor..Scott Co., 243 Minna, S. F.
 COST, \$14,080

(2327) ELEVATOR ON ABOVE.

Contractor..Otis Elevator Co., Beach &
 Stockton, San Francisco.
 COST, \$20,090

(2328) ELECTRIC WIRING ON ABOVE

Contractor..Newberry Elec. Co., 163
 Sutter, San Francisco.
 COST, \$29,980

(2329) ACOUSTIC FELT ON ABOVE.

Contractor..Johns-Manville Co., 2nd &
 Howard, San Francisco.
 COST, \$753

ADDITION

(2331) NO. 2911 REGENT, Berkeley.
 Addition.
 Owner.....Mr. Weeks, Premises.
 Architect...None.
 Contractor..E. E. Spittler, 815 Oxford,
 Berkeley.
 COST, \$400

DWELLING

(2332) E FRESNO 196.91 S Solano Ave.
 Berkeley. One-story 6-room dwlg.
 Owner.....C. E. Pugh, Shattuck Ave
 and Haste, Berkeley.
 Architect...None.
 Contractor..Mason-McDuffie Co., Shat-
 tuck and Addison, Bkly.
 COST, \$3000

DWELLING

(2335) LOT 8 AND E 5 Lot 7 Map Vir-
 ginia Tract, being Lincoln 45 E Cal-
 ifornia 57x100, Berkeley. All work
 for one-story 5-room dwelling.
 Owner.....Chas. J. and Bertha J.
 Roberts, 328 Lincoln Ave.
 Alameda.
 Architect...None.
 Contractor..Chas. A. Blom and Eric
 Jacobson, Alameda.
 Filed Sept. 29, '16. Dated Sept. 25, '16.
 Frame up and boarded.....\$458
 Brown coated 458
 Completed and accepted..... 458

Usual 35 days..... 458
TOTAL COST, \$1832
 Bond, none. Limit, 55 days after Sept.
 26. Forfeit, none. Plans and specifi-
 cations filed.

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2302	Tibbitts	Tibbitts	800
2303	Kouff	Rubenstein	500

MACHINE SHOP

(2302) ALAMEDA POINT, Alameda.
 Machine shop.
 Owner.....W. G. Tibbitts, 24 Califor-
 nia, San Francisco.
 Architect...None.
 Day's work..... COST, \$300

ALTERATIONS

(2303) NO. 1115 CHESTNUT, Alameda.
 Alterations.
 Owner.....D. Kouff, Premises.
 Architect...None.
 Contractor..K. Ruhenstein, 668 6th,
 Oakland.
 COST, \$500

NOTICE OR NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Sept. 23, 1916—LOTS 12, 13 AND 14
 Blk 117, Kellersberger's Map, Oak-
 land, Okd. Jerome S J Bettman,
 Florence M Clayburgh and Selma S
 Wiener as to improvements on
 leased property

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED	ACCEPTED
Sept. 22, 1916—SW DENNISON AND King, Okd. Standard Gas Engine Co to G A Scott.....	Sept. 14, 1916
Sept. 22, 1916—LOT 18 BLK "M" Northbrae Terrace, Bkly. S B Batsford to J S Hanson, Sept. 20, 1916	
Sept. 22, 1916—S SIXTY-SEVENTH 375 E San Pablo Ave E 50xS 100, Okd. Martin and Emilie Koft to Werner Johnson.....	Sept. 21, 1916
Sept. 23, 1916—LOT 17 Nova Piedmont Piedmont, Chas E Wheeland to whom it may concern.....	Sept. 22, 1916
Sept. 23, 1916—LOT 5 BLK "G" North- brae Tract, Bkly. Dr R G Hosking to O M and H G Patrick.....	Sept. 21, 1916
Sept. 23, 1916—LOTS 8 TO 24 INCL and ptn Lots 4, 5, 6, 7 and 25 to 82 incl. R J McMullen's Sbdvn Blk 576, Okd. Pacific Coast Shredded Wheat Co to Lester H Stock.....	Sept. 21, 1916
Sept. 23, 1916—S ELWOOD AVE 153.29 W Valle Vista being Lot 7 Blk "U" Oakland Heights, Okd. Chas F Fallmer to whom it may concern.....	Sept. 20, 1916
Sept. 25, 1916—E BROADWAY 177 S Prospect, being Ptn Lots 35, 37 and 39 Map Pity Oakland Home- stead Ass'n, Oakland. If P Gray to whom it may concern.....	Sept. 23, 1916
Sept. 25, 1916—NW AILEEN AND Shattuck Ave, Okd. A R Dexter to whom it may concern.....	Sept. 25, 1916
Sept. 25, 1916—LOT 18 BLK 7 Map Shaw Tract Blks 4, 6, 7 8 and 9, Bkly. W H McNaughton to Mason- McDuffie Co.....	Sept. 23, 1916
Sept. 26, 1916—LOT 33 BLK 10 Map Thousand Oaks, — Charles B Colt to R C Pellaton.....	Sept. 21, 1916

Sept. 27, 1916—LOT 5 BLK 1, Berkeley Square, Bkly. R S Clarke to Jacob KollmerSept. 27, 1916
 Sept. 27, 1916—PTN 27 LA LOMA Park, Bkly. Caroline W Hollis to Leland S Lewis.....Sept. 20, 1916
 Sept. 27, 1916—PTN LOTS 170 AND 180 Nova Piedmont, Piedmont. E W Woodard to whom it may concernSept. 1, 1916
 Sept. 28, 1916—LOT 1 BLK 15 (Daley's Scenic Park) S 5 of W 90xE 35 Lot 2 Bk 15, Bkly. Marie A Wright to Charles Lock.....Sept. 28, 1916
 Sept. 28, 1916—NE LAGUNA AND Montana, Okd. I Ariel Kellogg to whom it may concern.....Sept. 28, 1916
 Sept. 28, 1916—E TELEGRAPH AVE 125 from N line 48th N 25xE 131, Okd. Joseph L Bosso to M E ValenteSept. 28, 1916
 Sept. 28, 1916—LOT 8 and N 12½ Lot 9 Bk 21 Map Key Route Heights, Okd. S A Isakson to whom it may concern.....Sept. 8, 1916
 Sept. 29, 1916—PTN LOT "A" Map College Court, Okd. Eva Wilson to whom it may concern.....Sept. 25, 1916
 Sept. 29, 1916—LOT 16 BLK 2, Fairview Park, Okd. T L Hamlin and Ella Reid Hamlin to Oscar SalranenSept. 28, 1916
 Sept. 29, 1916—E OAK 50 N Ninth N 30xE 100, Okd. Noble Newsom to whom it may concern.....Sept. 28, 1916

LIENS FILED

ALAMEDA COUNTY.

Sept. 22, 1916—LOT 20 BLK 3 Amended Map Thousand Oaks Court, Oakland Tp. Sunset Lumber Co vs R E Stubbe\$1326.82
 Sept. 22, 1916—LOT 22 BLK 3 Amended Map Thousand Oaks Court, Oakland Tp. Sunset Lumber Co vs R E Stubbe\$599.34
 Sept. 22, 1916—(1) PTN AUGHINBAUGH 223.374 acre Tract; (2) Lots 22, 25, 26 and 27 and ptn Lots 23 and 24 Sec 11 and 6 Sec 14 Tp S Range 4 W M D M, Sale Map 10, 10 Salt Marsh & Tide Lands, Ala. Sunset Lumber Co vs A T Spence and Surf Beach Amusement Co.....\$3335.96
 Sept. 22, 1916—NE MONTGOMERY & John N 100xE 55, Okd. H H John and C Post (John & Post) vs Frank Romano and Ed Collins.....\$133.56
 Sept. 23, 1916—LOT 47 MAP GRAND Ave Terrace, Okd. Rhodes Jamieson & Co vs C O Bradhoff, Grace Leadley Forsterer, Harry Watchers and Alexander McLeer.....\$52.11
 Sept. 23, 1916—LOT 100 MAP Sheet No. 2 Nova Piedmont, Piedmont. California Door Co vs V N Strang\$187.60
 Sept. 23, 1916—LOT 47 MAP GRAND Ave Terrace, Okd. California Door Co vs Grace L Forsterer and C O Bradhoff\$162
 Sept. 23, 1916—LOT 47 MAP GRAND Ave Terrace, Okd. Charles Arnold vs Grace L Forsterer and C O Bradhoff\$45.50
 Sept. 23, 1916—PTN AUGHINBAUGH 223.374 Acre Tract and Lots 22, 25, 26 and 27 and Ptn Lots 23 and 24 Sec 11 and Lots 6 Sec 14 Tp 2 Range 4 W M D M Sale Map 10, 10 Salt Marsh & Tide Lands, Ala. John P Maxwell (Maxwell Hardware Co) vs J O Davis, Surf Beach Amusement Co, August Freese, A T Spence, Alameda Park Co, W H Owens, W M Edwards, John Doe, Richard Roe, Newark Development Co, Harvey M Toy, F W Lucas and S F Walter.....\$446.26
 Sept. 23, 1916—SE WELDON AND Walker Aves E 80 SW 56.70 SE 102.39 N 57.13, Okd. E K Wood Lumber Co vs Grace L and B A Forsterer and C O Bradhoff.....\$543.20
 Sept. 23, 1916—W LAUREL 120 S Clinton Ave S 40xW 130, Alameda. A G Vollmar vs O E Olsen.....\$377
 Sept. 23, 1916—LOT 47 Map Grand Ave Terrace, Okd. John P Maxwell (Maxwell Hardware Co) vs C O Bradhoff & Grace L Forsterer.....\$112.68
 Sept. 23, 1916—LOT 100 Nova Piedmont, Piedmont. John P Maxwell (Maxwell Hardware Co) vs V N Strang\$187.63
 Sept. 23, 1916—LOT 100, Nova Piedmont, Piedmont. Parrott & Co vs V N Strang.....\$93.51
 Sept. 25, 1916—LOT 47 Map Grand Ave Terrace, Okd. E Lightfoot vs Grace L Forsterer & C O Bradhoff.....\$25
 Sept. 25, 1916—PTN LOT 7 BLK "Y" Revised Map Oakland Heights, Okd. Swift & Wilcox vs F R Henderson and Chas R Follmer.....\$68.05
 Sept. 25, 1916—LOT 100 Sheet No. 2 Nova Piedmont, Piedmont. W J Rigney (Oakland Mantel Co) vs V N Strang.....\$71
 Sept. 25, 1916—LOT 20 BLK 3 Amended Map Thousand Oaks Court, Oakland Tp. Bass-Hueter Paint Co vs R E Stubbe and P J Wright.....\$67.87
 Sept. 26, 1916—E OAK 110 N Ninth N 30xE 100, Okd. E Dinneen vs V N Strang.....\$65
 Sept. 26, 1916—NO. 2424 ORIN DRIVE Okd. James Cahill & Co Inc vs Laura E and O E Allen.....\$97
 Sept. 26, 1916—NO. 2429 ORIN DRIVE Okd. James Cahill & Co, Inc vs Laura E and O E Allen.....\$38.40
 Sept. 26, 1916—PTN LOT 1 Map Duffy Tract, Okd. James Cahill, & Co, Inc vs Laura E and O E Allen\$28.70
 Sept. 26, 1916—NE JOHN & MONTGOMERY N 100xE 55, Okd. Chris C Anderson vs Frank Romano.....\$40
 Sept. 26, 1916—LOT 20 Map Brookside Manor, Okd. Thos W Webb vs S Reef, Frank W Bilger and Ed Collins\$36
 Sept. 26, 1916—LOT 35 Map Ardsley Heights, Okd. J P Leonard vs V N Strang\$117.59
 Sept. 27, 1916—N TWENTY-FOURTH 317.50 E Valdez NE 100 E 42.25 SW 113.65 NW 40, Okd. L S Parsons vs L E Allen.....\$22.50
 Sept. 27, 1916—LOT 22 BLK 3 Map Thousand Oaks Court, Oakland Tp. Western Roofing Co vs R E Stubbe\$50
 Sept. 28, 1916—LOT 100 Map Sheet No. 2 Nova Piedmont, Piedmont. Oakland Paving Co vs V N Strang\$79.90
 Sept. 28, 1916—LOT 20 BLK 3 Amended Map Thousand Oaks Court, Berkeley. A H Bar (Bar Mercantile Co) vs R E Stubbe and George Friend\$95.80
 Sept. 28, 1916—LOT 22 BLK 3, Amended Map Thousand Oaks Court, Bkly. A H Bar (Bar Mercantile Co) vs R E Stubbe and P J Wright.....\$56.10
 Sept. 28, 1916—LOT 100 Map Nova

Piedmont, Piedmont. Hanna Lumber & Mill Co vs V N Strang.....\$540.16
 Sept. 29, 1916—NE MONTGOMERY & John N 100xE 55, Okd. Hogan Lumber Co vs Ed Collins and Frank Romano\$514.22
 Sept. 29, 1916—LOT 100 Map Nova Piedmont, Piedmont. J F Ellis (National Roofing Co) vs V N Strang\$80

SAN JOSE AND THE SANTA CLARA VALLEY

STREET IMPROVEMENT—Cost not stated. South San Francisco, San Mateo Co., Cal. Engineer, City Engineer, South San Francisco. Owners, South San Francisco. Bids will be opened on October 8th for street improvement under the following resolution: That that portion of the alley between Grand avenue and Baden avenue be improved by grading and by constructing therein a concrete pavement.

BRIDGE—Reinforced concrete. Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on October 16th at 11 a. m. for the construction of a reinforced concrete bridge on Cochran road, over the Las Animas Creek.

SCHOOL ADDITION—2 story, frame, \$10,000. San Jose, Santa Clara Co., Cal. Architect, F. G. Aitken, Theatre Bldg., San Jose. Owners, City of San Jose. Bids will be opened on October 10th for the addition to the Washington School. Bids are being taken on revised plans.

SCHOOL HEATING, ETC.—Cost not stated. San Jose, Santa Clara Co., Cal. Architect, William Binder, Rea Bldg., San Jose. Owners, City of San Jose. The San Jose Board of Education will open bids on October 10th for installing a heating system and a high pressure water system in the San Jose High School.

SCHOOL—2 story and base, brick and concrete, \$55,000. South San Francisco, San Mateo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, South San Francisco School District. Will contain twelve class rooms, auditorium and office. Plans complete and figures being taken. Bids open on October 9th.

Contracts Awarded.

STREET IMPROVEMENT—\$39,266.61. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Contractors, City Street Improvement Co., 166 early street, S. F. Contract price, \$39,263.61.

WATER PIPE—\$3,266.80. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Contractors, Crane Co., 2nd and Brannan streets, S. F. Contract price, \$3,266.80.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

ALTERATIONS
 NO. 216 AUTUMN ST., San Jose. All work for alterations and additions to dwelling.

Owner.....Grace Spencer Hall, Prem.
Architect...W. E. Higgins, Rea Bldg.,
San Jose.
Contractor...Edgar A. Bevens, 130 Coe
St., San Jose.
Filed Sept. 22, '16. Dated Sept. 22, '16.
15 days after work starts..... 75%
Job accepted..... 75%
Usual 35 days.....Final
TOTAL COST, \$2303
Bond, \$1655. Sureties, R. T. Pierce and
L. D. Bonnett. Limit, 50 days from
date. Forfeit, none. Plans and speci-
fications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED
Sept. 25, 1916—SE ALAMEDA ROAD
and Hedding St., Santa Clara. F
W Gross to E A Bevans. Sept. 16, 1916

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME DWELLING
LOT, Baldwin & Howell's Reshdyn of
Lots 167 and 168, San Mateo Park,
San Mateo. All work for one-story
frame dwelling.
Owner.....Leonard and Mary Talbot
Cutler, 115 15th St., San
Mateo.
Architect...None.
Contractor...Frank H. Boring, 514
Santa Inez Ave., San Mateo.
Filed Sept. 22, '16. Dated Sept. 20, '16.
When framed.....\$900
1st coat plaster on..... 900
When completed..... 900
Usual 35 days..... 900
TOTAL COST, \$3600
Bond, \$1800. Sureties, James H. Taylor
and C. H. Kirkbride. Limit, 90 days.
Forfeit, none. Plans and specifications
filed.

FRAME BUILDINGS
MOUNTAIN SPRING RANCH near
Woodside. All work except plumbing
for farm building for horses, cows,
chickens, stables, etc., dairy build-
ings, etc.
Owner.....Hon. James Rolph Jr., City
Hall, San Francisco.
Architect...John Reid Jr., Chronicle
Bldg., San Francisco.
Contractor...McLeran & Peterson, Shar-
on Bldg., San Francisco.
Filed Sept. 26, '16. Dated Sept. 18, '16
Foundations placed.....\$5000.00
Roofed and shingled..... 3500.00
When completed..... 3827.50
Usual 35 days..... 3442.50
TOTAL COST, \$13,770.00
Bond, none. Limit, 60 days. Forfeit,
\$5 per day. Plans and specifications
filed.

FRAME COTTAGE

LOT 2 BLK 4 Metropolis Homestead
Tract near Daly City. All work for
one-story frame cottage.
Owner.....Metropolis Homestead Co.,
40 California, S. F.
Architect...None.
Contractor...Charles U. Carlson.
Filed Sept. 27, '16. Dated Sept. 16, '16.
When framed..... 25%
Plastered, etc..... 25%
When completed..... 25%
Usual 35 days..... 25%
TOTAL COST, \$610

Bond, none. Limit, Oct. 16, 1916. For-
feit, none. Plans and specifications
filed.

FRAME RESIDENCE

LOT 23 BLK 31, Easton Addition to
Burlingame No. 2, Burlingame. All
work for two-story frame residence
and garage.
Owner.....Samuel J. and Pearl L. Gar-
diner, 2455 Polk, S. F.
Architect...None.
Contractor...H. C. Lewis, San Francisco
Filed Sept. 27, '16. Dated Sept. 18, '16
Frame up.....\$900
Plastered, etc..... 900
When completed..... 900
Usual 35 days.....1450
Monthly installments @ \$65 per
month..... 650
TOTAL COST, \$4800
Bond, none. Limit, 70 days. Forfeit,
none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED
Sept. 21, 1916—PTN LOT 1-A Bowle
Estate No. 1, San Mateo Park, San
Mateo. Julius H Brown to Collman
& Duncan.....Sept. 20, 1916
Sept. 21, 1916—LOT 1-A Map No. 1
Bowle Estate, San Mateo Park, San
Mateo. Julius H Browne to Collman
& Duncan.....Sept. 20, 1916
Sept. 21, 1916—BLK 37 LOT 10, East-
on Add'n No. 2, Easton. Frank
Koenig to whom it may concern.....
.....Sept. 18, 1916
Sept. 21, 1916—MT. DIABLO AVE &
Tilton Ave, San Mateo. (Street
work). Southern Pacific Co to
Federal Constr Co.....Sept. 14, 1916
Sept. 21, 1916—PTN LOT 29 SEC 22
Twp 3 S Range 5 W Mt. D B & M.
J L Hoffman, Geo D Mengold, B
Kraus and R P Cohen to Val Franz
& Son.....Sept., 1916
Sept. 27, 1916—LOT 14 BLK 2 Sub No.
2, Burlingame Park. J S Milne to
J R Catherwood and M J Hamilton
.....Sept. 12, 1916

LIENS FILED

SAN MATEO COUNTY.

RECORDED AMOUNT
Sept. 26, 1916—BROADWAY & WEB-
ster, Redwood City. R F Bayles
vs Lydia Dugan and L A Rose.....\$32.30
Sept. 27, 1916—BROADWAY & WEB-
ster, Redwood City. William A
Hayes, \$100; Burnham Standford
Co, \$589.95; H S Tuttle, \$49.61 vs
Lydia Dugan and L A Rose.....

MARIN, CONTRA COSTA AND SONOMA COUNTIES

RESIDENCES—5, 1 story and base,
frame. Cost not stated. Vallejo, So-
lano Co., Cal. Architect, none. Own-
ers, Vallejo Realty Co., Vallejo. Loca-
tion, Vallejo Annex Tract. Each dwell-
ing will contain five rooms, bath and
sleeping porch. Plans complete and
figures being taken.
BRIDGE—Reinforced concrete, \$13,-
000. San Anselmo, Marin Co., Cal. En-
gineer, City Engineer, San Anselmo.
Owners, City of San Anselmo. At the
last meeting of the Town Trustees plans
and specifications for the new bridge

at Landslide were approved. Construc-
tion will be of concrete, 42 feet long
and 24 feet wide, together with the 30-
foot retaining wall, which will be nec-
essary along the creek side of Forest
avenue. Bids will be ordered received
shortly.

HOTEL—2 story and base, frame.
Cost not stated. Pittsburg, Contra
Costa Co., Cal. Architect, William
Knowles, Hearst Bldg., S. F. Owners,
C. A. Hooper Lumber Co., Balboa Bldg.,
S. F. Will cover an area of 114 by 120
feet. Only preliminary plans have
been prepared and further mention will
be made of the work.

SCHOOL FIRE ESCAPES—Cost not
stated. Pittsburg, Contra Costa Co.,
Cal. Architect, none. Owners, Pitts-
burg School District. Bids will be
opened on October 11th for fire escapes
on the primary schools. Plans can be
secured from the Secretary of the
Board of Education.

Contracts Awarded.

STREET IMPROVEMENT—\$9,118.70.
San Anselmo, Marin Co., Cal. Engineer,
City Engineer, San Anselmo. Owners,
City of San Anselmo. Contractors,
Western Motor Drayage Co., 1444
Church street, S. F. Contract price,
\$9,118.70.

POST OFFICE REPAIRS — \$2,493.
Santa Rosa, Sonoma Co., Cal. Archi-
tect, Supervising Architect, Washing-
ton, D. C. Owners, United States Gov-
ernment. Contractors, Barrett & Hilt,
Sharon Bldg., S. F. Contract price, \$2,-
493.

SCHOOL—1 story and base, frame,
\$12,680. Danville, Contra Costa Co.,
Cal. Architect, Norman R. Coulter, 46
Kearny street, S. F. Owners, Town of
Danville. Contractors, Kellar & Crane,
94 Miramar avenue, S. F. Contract
price, \$12,680.

BUILDING CONTRACTS

MARIN COUNTY.

COW BARN

SANTA MARGARITA RANCH, 1 mile
from San Rafael. All work for gal-
vanized iron and frame cow barn.
Owner.....Mary A. Bosman et al.
Architect...None.

Contractor...T. O. Ennis.
Filed Sept. 27, '16. Dated ———.
Walls erected..... 25%
Frame work completed..... 25%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, \$2375

Bond, limit, forfeit, none. Plans and
specifications filed.

FAAME GYMNASIUM, ETC.

SAN ANSELMO. Excavating, carpenter
work, mill work and plumbing for
two-story frame gymnasium and dor-
mitory.

Owner.....San Francisco Presby-
terian Orphanage & Farm.
Architect...Wm. H. Dwyer, San An-
selmo, Cal.

Contractor...Wm. H. Dwyer, San An-
selmo, Cal.

Filed Sept. 28, '16. Dated Sept. 28, '16.
Floor joists on..... 25%
Roof on..... 25%
When completed..... 25%
Usual 35 days..... 25%
TOTAL COST, \$4000

Bond, none. Limit, 60 days. Forfeit,
none. Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

COTTAGE

CLINTON, bet. 11th and 12th Sts., Richmond, Cottage.
Owner.....E. W. Graefencker, 149 Eureka, San Francisco.

Architect...None.
Contractor...T. E. Baldwin, 1408 Barrett Ave., Richmond.
COST, \$1225

COTTAGE

CONTRA COSTA AVE. bet. Park and Glenn, Richmond, Cottage.
Owner.....Pet. Paulettich, R. F. D. 331 Richmond, Cal.

Architect...None.
Day's work.
COST, \$1300

COTTAGE

ENTERPRISE near Hensley, Richmond, Cottage.
Owner.....L. Bertolucci, Richmond.
Architect...None.
Contractor...G. Trolesi, 2115 Roosevelt Ave., Richmond.
COST, \$1100

FRAME COTTAGE

ORCHARD AVE., near San Pablo Ave., Richmond, Frame cottage.
Owner.....S. D. Korb, Bay Ave. near Potrero, Richmond.
Architect...None.
Contractor...F. C. Harris, Orchard and San Pablo, Richmond.
COST, \$1500

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Sept. 26, 1916—SAN RAFAEL. Anna Sais to W E Abbott...Sept. 26, 1916
Sept. 27, 1916—BELVEDERE. Ferd C Peterson to L A Kern...Sept. 28, '16

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

STREET PAVING—\$7,750. Fowler, Fresno Co., Cal. Engineer, City Engineer, Fowler, Owners, City of Fowler. Cornfield & Davis, Bakersfield, were the lowest bidders at \$7,750 for constructing concrete pavement on about 6,000 lineal feet of streets in town to connect ends of the State highway. Other bidders were: Thompson Bros., Fresno, \$8,681.59; Kettlewell & Son, Kingsburg, \$8,706.20; George Shannon, Fresno, \$8,846.

STREET IMPROVEMENTS—Cost not stated. Lindsay, Tulare Co., Cal. Engineer, City Engineer, Lindsay, Owners, City of Lindsay. Worswick Paving Co., Los Banos, was awarded the contract for grading and constructing eight blocks of concrete pavements with asphaltic concrete surface, cement curbs, crushed rock and asphalt shoulders, corrugated iron pipe culverts, etc., in Sweet Briar avenue, Lewis street, Mt. Vernon avenue and other streets.

IRRIGATION CANALS—\$10,000. Oakdale, Stanislaus Co., Cal. Engineer, Chief Engineer, Oakdale Irrigation District, Oakdale. Owners, Oakdale Irrigation District. The Board of Directors of the Oakdale Irrigation District have advertised for bids for concreting the canals at Two-Mile Bar and

also widening them. The cost is estimated to run between \$8,000 and \$10,000. The directors intended to let this work out by private bid, but other contractors objected and they decided to call for bids. Plans for the work may be had from the Secretary of the district at Oakdale.

CHURCH—1 story and base, frame, \$10,000. Fowler, Fresno Co., Cal. Architect, Henry F. Starbuck, Rowell Bldg., Fresno. Owners, Baptist Church, A. B. Murphy, pastor. Location, Merced and 3rd streets. Will contain main auditorium, Sunday school rooms and pastor's study. Plans being prepared.

RAILROAD STATION, ETC.—1 and 2 story, frame and concrete, \$30,000. Visalia, Tulare Co., Cal. Engineer, Chief Engineer G. W. Harris, Kerchoff Bldg., L. A. Owners, Santa Fe Railroad Co. Work will consist of removing the present freight sheds and constructing a new passenger depot. Plans complete and figures to be called for shortly.

LIBRARY—1 story and base, brick, \$12,000. Madera, Madera Co., Cal. Architects Coates & Traver, Rowell Bldg., Fresno. Owners, City of Madera. The contract for this structure was awarded to Ed Layne of Madera on his bid of \$12,353 on proposition 4, he being \$63 higher than L. Daley of Fresno. The Carnegie Corporation has rejected the plans because the county proposed to pay the cost of the heating apparatus. The heating plant must be included according to the Carnegie Trustees. The architects state that this will necessitate the building being reduced in size at least one-third. Plans being revised.

Contracts Awarded.

IRRIGATION WELLS—Cost not stated. Terra Bella, Tulare Co., Cal. Engineer, Chief Engineer, Terra Bella. Owners, Terra Bella Irrigation District. At the last meeting of the Directors of the Terra Bella Irrigation District contracts were awarded for drilling six deep wells, to be put down on optioned land west of the Southern Pacific tracks. The contract for five wells was awarded to M. P. Bramlet of San Joaquin, and contract for one well was given to the Western Wells Works Co. of San Jose. Mr. Bramlet employs standard rigs, while the Western Co. uses a rotary rig. The letting of one well to the Western Co. was largely for experimental purposes, whereby a comparison can be made between the results obtained with a standard rig and a rotary rig.

CHURCH—1 story and base, brick and concrete, \$24,500. Merced, Merced Co., Cal. Architect, W. J. Wythe, Central Bank Bldg., Oakland, associated with Cowell and Bedeson, Merced. Owners, Central Presbyterian Church. Contractor, Finch Wilcox, Merced. Contract price, \$24,500.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOTS 34 AND 35 BLK 1 Van Ness Park, Fresno. Dwelling and garage.
Owner.....Fred Nelson.
Architect...None.
Contractor...Fredrickson & Shannan.
COST, \$5200

DWELLING

LOTS 29 AND 30 BLK 34, Belmont Addition, Fresno. Dwelling.
Owner.....R. J. Harris, 165 Diamond St., Fresno.
Architect...None.
Contractor...S. L. Allen, 3215 McKenzie St., Fresno.
COST, \$2200

STORE

LOTS 17 AND 18 BLK 153, Fresno. All work for store.
Owner.....W. A. Moore, 1904 I St., Fresno.
Architect...None.
Contractor...S. L. Allen, 3215 McKenzie St., Fresno.
COST, \$1200

DWELLING

LOTS 7 AND 8 BLK 13, Central Addition, Fresno. Dwelling.
Owner.....H. R. Smith, 359 L St., Fresno.
Architect...None.
Contractor...J. R. Church, 1221 U St., Fresno.
COST, \$1600

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

ROAD IMPROVEMENT—Cost not stated. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be opened on October 9th for certain road work on the Oroville and Palermo road.

LEEVE Construction—Cost as follows. Colusa, Colusa Co., Cal. Engineer, City Engineer, Colusa. Owners, City of Colusa. The City Trustees at their meeting received bids for raising the waterfront levee. The Trustees considering the bids too high and believing that the work could be done more economically by Day Labor, all bids were rejected. The Antioch Dredging Co. bid \$145 for a day of 22 hours, and Mooney & Briggs bid 30c per cubic yard.

BRIDGE—Reinforced concrete. Cost not stated. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be received on October 16th at 2 p. m. for constructing a bridge over Lindo Channel in Road District No. 2.

BRIDGES—Reinforced concrete. Cost not stated. Sacramento, Cal. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. The Supervisors adopted the plans and specifications for two reinforced concrete bridges Monday afternoon and bids for the construction of the same will be received October 9th. One of the bridges is to be located on the old Marysville road in North Sacramento and the other on Marconi avenue near the Del Paso Country Club. Plans and further information may be had from the County Clerk.

SCHOOL—1 and 2 story, reinforced concrete, \$200,000. Sacramento, Cal. Architects, Shea & Lofquist, Bankers Investment Bldg., S. F. Owners, City of Sacramento. Preliminary plans have been approved for the new school building to be erected on property bounded by 17th, 18th, E and F Sts. Will contain 20 class rooms, departments for domestic science and manual training. Further mention will be made of the work.

SCHOOL—1 story, brick, \$10,000
Corning, Tehama Co., Cal. Architect
Chester Cole, Waterlud Bldg., Chico.
Owners, Corning School District. Will
contain two class rooms with provision
for further extension. Revised plans
complete and figures to be called for
shortly.

SCHOOL—2 story and base, brick
and concrete, \$65,000. Colusa, Colusa
Co., Cal. Architect, W. H. Weeks, 75
Post street, S. F. Owners, City of Co-
lusa. Will contain twelve class rooms,
auditorium and principal's office. Plans
being prepared. Bids will be called for
as soon as bonds can be sold.

Contracts Awarded

SEWERS—\$3,252.14. Stockton, San
Joaquin Co., Cal. Engineer, City Engi-
neer, Stockton. Owners, City of Stock-
ton. Contractor, W. F. Edwards, 675
31st street, Oakland. Contract price,
\$3,252.14.

APARTMENT HOUSE—2 story and
base. Class C construction, \$34,794.
Eureka, Humboldt Co., Cal. Architects,
Koenig & Christiansen, Humboldt Bank
Bldg., S. F. Owners, Daly Bros. Con-
tractor, Louis Halvorsen, 2636 E street,
Eureka. Contract price, \$34,794.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ALTERATIONS

LOT 1 J, K, 14TH AND 15TH STS., Sac-
ramento. Alterations and additions to
building.

Owner.....A. E. and R. M. Coolot,
2200 T St. Sacramento.

Architect...None.

Contractor...C. J. Guth, 15.6 27th St.,
Sacramento.

COST, \$18,990

FRAME DWELLING

LOCATION NOT GIVEN. Two-story 7-
room and basement frame dwelling.
Owner.....R. H. Ruiter, 2715 2d Ave.,
Sacramento.

Architect...None.

Contractor...R. H. Ruiter, 2715 2d Ave.,
Sacramento.

COST, \$2500

ALTERATIONS

NO. 1221 P ST., on E ½ of Lot 8 O, P,
12th and 13th Sts., Sacramento. Place
flats on foundation and move dwell-
ing to rear.

Owner.....George Valerio, 168 N St.,
Sacramento.

Architect...None.

Contractor...Chas. Vanina, 2022 M St.,
Sacramento.

COST, \$2700

DWELLING

NO. 2915 O ST., on E ½ Lot 7 N, O, 29th
and 30th Sts., Sacramento. One-story
5-room dwelling.

Owner.....S. M. and M. E. Green, 1410
14th St., Sacramento.

Architect...None.

Contractor...E. E. Sydenstricker, 2500
O St., Sacramento.

COST, \$2400

ALTERATIONS

LOCATION NOT GIVEN. Raise dwell-
ing and build flats underneath.

Owner.....Wm. B. Misley, 1528 F St.,
Sacramento.

Architect...None.

Contractor...G. B. Stahl, Colonial Hgts.,
Sacramento.

COST, \$1400

STORAGE ROOM

S. P. DEPOT. Sacramento. Erect
storage room.

Owner.....Southern Pacific Rail Road
Co., Premises.

Architect...None.

Contractor...S. P. Rail Road Co.

COST, \$550

REPAIRS

NO. 1815 SIXTH ST., on S ¼ of Lot 1
R, S, 6th and 7th Sts., Sacramento.

General repairs and paint dwelling.

Owner.....A. Kearn, Premises.

Architect...None.

Contractor...C. J. Guth, 1516 27th St.,
Sacramento.

COST, \$500

HALL AND OFFICE BLDG.

NO. 824 ELEVENTH on E 60 feet Lot
5 I, J, 10th and 11th Sts., Sacramento.

All work for four-story Class "A"
and "B" brick, concrete and steel, etc.
hall and office building.

Owner.....Native Sons' Hall Ass'n.,
Cr. Percy G. West, 804 K
St., Sacramento.

Architect...Washington J. Miller, 415
Market St., San Francisco

Contractor...McGillivray Constr. Co.,
Capitol National Bk Bldg.,
Sacramento.

COST, \$154,000

ALTERATIONS

NO. 1308 NINTH ST., Sacramento.
Move and remodel building.

Owner.....Theo. Blanth, 824 N St.,
Sacramento.

Architect...None.

Contractor...Chas. Vanina, 2022 M St.,
Sacramento.

COST, \$1500

ADDITION

NO. 510 OAK AVE., Sacramento. Add
2 stories to brick building.

Owner.....Chas. M. Campbell, Para-
dena, Cal.

Architect...None.

Contractor...F. A. S. Poole.

COST, \$1450

ALTERATIONS

NO. 1009 I ST., Sacramento. Remodel
and make stairs.

Owner.....Estate of Eliza J. Tade,
Premises.

Architect...None.

Contractor...J. A. McCullough, 1108
Yardley Ave., Sacramento.

COST, \$750

ALTERATIONS

NO. 826 ABBY ST., Sacramento. Move
dwelling and remodel.

Owner.....Theo. Blanth, 824 M St.,
Sacramento.

Architect...None.

Contractor...Chas. Vanina, 2022 M St.,
Sacramento.

COST, \$400

DWELLING

LOTS 23 AND 24 Shaw's Add'n, Sacra-
mento. Two-story dwelling.

Owner.....C. P. Scott, 3417 Park Ave.,
Sacramento.

Architect...None.

Contractor...Pratt & Ruggs, 1629 Ohio
Ave., Sacramento.

COST, \$3300

DENTAL PARLORS

NO. 714 K ST., Sacramento. All work
to fit up dental parlors.

Owner.....Maud E. Ware, Chico, Cal.

Architect...None.

Contractor...A. W. Norris, 3012 G St.,
Sacramento.

COST, \$1740

DIRECT TO YOU

Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what **kind** of Hardwoods Flooring or Panels you may require, nor
what **quantity** of each you may need for **immediate delivery**, you can depend
upon **WHITE BROTHERS** to supply you promptly.

We carry the largest stock of **HARDWOODS** and **WYBRO PANELS** in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured **service** and **promptness** coupled
with **fair prices** as our standard. We have the **quantity** and the **variety** on hand for
immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

REPAIRS

NO. 1414 H ST., Sacramento. Reshingle dwelling.
Owner.....Margaret A. Twitcheil, 1414 H St., Sacramento.
Architect...None.
Contractor...L. A. Gardner.

COST, \$1000

LOS ANGELES AND SOUTHERN CALIFORNIA

SEWER SYSTEM—Cost not stated. Hermosa Beach, Los Angeles Co., Cal. Engineer, City Engineer, Hermosa Beach. Owners, Hermosa Beach. Until 7:30 p. m. October 17th bids will be received by the City Clerk for the construction of a sewage disposal and sewage treatment plant involving 320 cubic yards concrete, 1,800 feet 8-inch iron pipe, 830 feet 12-inch vitrified sewer pipe, 1,350 feet 12-inch reinforced concrete pipe, 700 feet 5½x7-inch tunnel, 2 air compressors, two 100-gallon sewage ejectors, electric motors and electric controls, machinery and fittings, and Armo metal building at sewage treatment plant. Engineer's estimate, \$27,000. Further information may be secured from C. H. Sumner, City Engineer, at the City Hall.

STREET PAVEMENT—Cost not stated. Hueneme, Ventura Co., Cal. Engineer, City Engineer, Hueneme. Owners Town of Hueneme. Until 11 a. m. October 14th bids will be received by the Board of Supervisors for constructing approximately 24,400 square feet of oil macadam pavement on Market street, according to plans and specifications on file in the office of said Board and in the office of the County Surveyor.

STREET IMPROVEMENT — \$73,000. Chino, San Bernardino Co., Cal. Engineer, City Engineer, Chino. Owners, City of Chino. Until 8 p. m. October 10th bids will be received by the City Clerk for the improvement of certain portions of Riverside Drive, Chino avenue, 15th street, D street, 5th street and G street according to plans and specifications on file in the office of the City Clerk and obtainable at the office of the City Engineer, Paul E. Kressley, at the City Hall, 7th and D streets. Plans, estimates of quantities, specifications and blank proposal forms may be secured after September 27th by addressing the City Clerk. Bonds in the sum of \$73,000 have been voted and sold for the work. Certified check for 10%. E. L. P. Wetmore, City Clerk.

HIGHWAY CONSTRUCTION — Cost as follows. Santa Barbara, Santa Barbara Co., Cal. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Because the lowest bidder on the work for the improvement of Mission Ridge road for a distance of 2½ miles overlooked a bit of multiplication in his figures, the awarding of the contract for this work has been delayed by the City Council. Paul & Caldwell sent in the lowest bid for the improvement, their total being \$53,327.53, while the next lowest bid was \$54,183.16, submitted by Bradshaw-Barnes Co. In their estimate the first named concern bid by the lineal feet on the sewer work while the advertisement for bids designated that a lump sum should be stated for the sewer. Other bids on the work were: E. A. Garland, \$55,270.72; F. R. Ritchie, \$57,323.53; Modern Construction Co., \$67,

\$79.77. The bid of Paul & Caldwell was only \$13 above the estimated cost of the work submitted by City Engineer Cook.

BRIDGE—Reinforced concrete. Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Until 11 a. m. October 14th bids will be received by the Board of Supervisors for constructing a concrete pile bridge, 120 feet long, with necessary earth fill, culverts, guard fence, etc., on Ojai avenue across San Antonio Creek, according to plans and specifications on file in the office of said Board, and which may be obtained at the office of the County Surveyor upon depositing \$3. J. B. McCloskey, County Clerk.

WATER SYSTEM EXTENSION — \$200,000. Los Angeles, Cal. Engineer, William Mulholland, Knickerbocker Bldg., L. A. Owners, City of Los Angeles. Citizens of the annexed territory of Bairdstown voted a \$200,000 bond issue at the election held September 15th to construct mains and enlargements to the distributing system to carry aqueduct water.

WATER SYSTEM EXTENSION — \$60,000. Santa Monica, Los Angeles Co., Cal. Engineer, City Engineer, Santa Monica. Owners, City of Santa Monica. The city will begin at once combining and reconstructing the four private water systems recently purchased. The first step will be the construction of a 12-inch main from the present Irwin Heights reservoir to the Ocean Park Water Co.'s reservoir, a distance of one mile; estimated cost, \$25,000. The second improvement will be installation of a concrete or steel 50,000 gallon standpipe; estimated cost, \$10,000. The completion of the metering of the entire system will be the third step; estimated to cost \$23,000.

STEEL RIVETED PIPE — \$94,228. Los Angeles, Cal. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. The Baker Iron Works, 912 North Broadway, L. A., was awarded the contract at \$94,228 for furnishing riveted steel pipe for the Western avenue main of the city water system.

APARTMENT HOUSE—2 story and base. Class C construction. Cost not stated. Los Angeles, Cal. Architect, H. M. Patterson, O. T. Johnson Bldg., L. A. Owner, J. G. Warren. Location, northeast Hollywood Boulevard and Vermont street, covering an area of 150 by 20 feet. Will contain five stores and nine apartments. Plans being prepared.

HOTEL AND STORES—6 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architect, S. Tilden Norton, Title Insurance Bldg., L. A. Owners, M. N. and L. H. Norton. Location, southeast Main and 5th Sts., covering an area of 75 by 135 feet. Will contain 130 rooms. Plans being prepared.

Contracts Awarded.

ROAD IMPROVEMENT — \$53,327.50. Santa Barbara, Santa Barbara Co., Cal. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Contractors, Paul & Caldwell, Stockton. Contract price, \$53,327.50.

STREET IMPROVEMENTS—Cost not stated. Santa Paula, Ventura Co., Cal. Engineer, City Engineer, Santa Paula. Owners, City of Santa Paula. Contractors, Fairchild-Gilmore-Wilton Co., 607 South Main street, L. A. Contract price not stated.

HIGHWAY IMPROVEMENT — \$33,534.37. Los Angeles, Cal. Engineer, County Surveyor, Los Angeles. Owners, Los Angeles County. Contractors, S. C. Co., Title Insurance Bldg., L. A. Contract price, \$33,534.37.

HIGHWAY CONSTRUCTION—\$48,236.96. Los Angeles, Cal. Engineer, County Surveyor, Los Angeles. Owners, Los Angeles County. White & Gaskill, Long Beach, submitted the lowest bid for the Harbor Truck highway at \$46,256.96 and will probably be awarded the contract.

PORTLAND AND OREGON

RESIDENCE — 2 story and base, hollow tile. Cost not stated. Prineville, Ore. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, George F. Kelly. Will cover an area of 85 by 85 feet and will contain ten rooms, three baths and sleeping porch. Plans complete and figures being taken.

SEATTLE AND WASHINGTON

CANAL DREDGING—\$100,000. Seattle, Wash. Engineer, United States Engineers, Seattle. Owners, United States Government. Bids have been called for by the U. S. Engineer's Office, Lieut. Col. J. B. Cavanaugh, Burke Bldg., Seattle, chief, for the last large dredging contract in connection with the completion of the Lake Washington Canal. Bids will be opened at noon October 23rd for dredging over 600,000 cubic yards of material from the canal between the Government locks at the Narrows and Puget Sound, a distance of 1½ miles or more.

WATER SYSTEM EXTENSION—\$3,000,000. Seattle, Wash. Engineer, City Engineer, Seattle. Owners, City of Seattle. Under the direction of the City Engineers department surveys are being made for the construction of the first unit of the \$3,000,000 extension to the city water system, the largest part of which will be built next year. The first unit calls for the construction of an addition to the Volunteer Park reservoir to have a capacity of 50,000,000 gallons and cost \$190,000. It will cover a space of practically two blocks, or 312 by 180 feet, 15 feet deep and of reinforced concrete construction. Plans are expected by Superintendent of Water Works to be ready so that bids may be called for before December 1st.

HOTEL—2 story and base, reinforced concrete, \$75,000. Bremerton, Wash. Architects, A. L. Haley and G. L. Haley, People's Bank Bldg., Seattle. Owner, Jack Smith. Location, Front and Washington streets. Will contain 84 rooms, lobby, office and a number of public and private baths. Entire structure leased to Charles Perry and Bert Gray. Preliminary plans prepared.

Contracts Awarded.

TRANSIT SHED—2 story, frame, \$32,000. Seattle, Wash. Engineer, Port of Seattle Commission, Seattle. Owners, City of Seattle. Contractors, Harrington-Peters Co., Orient Bldg., Seattle. Contract price, \$32,000.

MARKET—1 story and base, brick and concrete, \$36,000. Seattle, Wash. Architect, W. Marbury Somerville, White Bldg., Seattle. Owners, John Egardh & Co. Contractors, Brocker, Kiehl & Whipple, Central Bldg., Seattle. Contract price, \$30,000.

**NEW ZEALAND WANTS NEW IDEAS
IN WORKMEN'S HOUSES.**

The increasing cost of building materials and labor in New Zealand has led the Workers' Dwellings Board to seek either substitutes for the materials now used or new methods of construction that effect substantial economies, and to this end the deputy superintendent addressed the following letter to Alfred A. Winslow, the Auckland consulate general:

In consequence of the increased cost of building materials and labor, the Workers' Dwellings Board is desirous of obtaining information concerning new materials and methods with a view to counteracting to some degree the present upward tendency in the cost of erection. Inclosed is a booklet giving particulars of the act which is administered by the Workers' Dwellings Board. From these particulars you will be able to judge as to what information will be useful to us in the erection of these dwellings, either in respect of materials or methods. In view to the present the policy of the board has been to give each applicant the privilege of selecting his own design from a number of standard designs already drawn up by the architect, but as the cost of erection is now so high the board is considering the question of erecting a number of dwellings on the same design. We believe that Edison has brought out a new system by which molds are used whereby the house can be built at a much smaller cost than by the new method in use, but we are not able to find out if this method has been adopted to any extent with success. We should be pleased if you could give us any information about this system or any other system of standardized building that would reduce the cost.

I would be glad if this matter could be called to the attention of persons in the United States in position to give the desired information, for I believe it might lead to some business, and it will be doing the people of this country a kindness at least. The information can be addressed to the Auckland consulate general to be forwarded or direct to the Department of Labor, Wellington, as may seem best.

**TYPICAL DESIGNS OF WORKERS'
DWELLINGS.**

In connection with the foregoing letter and request the following extracts from an article on the New Zealand workers' dwellings act of 1910 that appeared in Daily Consular and Trade Reports for September 21, 1911, should be of interest.

The new houses, whether of wood, concrete, or brick, are intended to be substantial, comfortable, and inexpensive, but not without ornamentation of a quiet character. The following is a description of five types of houses as planned by the Government architect:

1. A dwelling of four rooms with conveniences, a scullery 7 by 12 feet being common to all the dwellings. There are two front rooms about 12 feet square, a living room 16 feet 4 inches by 15 feet 4 inches, which contains the range fitted with hot-water apparatus, a bedroom 13 feet by 9 feet 6 inches, and a reasonable large bathroom. The front door leads to a hall 4 feet wide, and at the back is a lobby containing a coal bunker under shelter. The wash-house, with hopper, has two fixed tubs. Price, \$1,380 to \$1,825.

2. Five rooms, planned similarly to the first type, but with an additional bedroom at the back 8 by 9 feet, and slightly more generous proportions. The front elevation is made attractive with a gabled porch and ornamental glass door. There is a corner fireplace in the front rooms. Price, \$1,450 to \$1,900.

3. Four rooms; this is distinctive in having a veranda along the whole front, and it will probably be popular because it is of the familiar "square" type of architecture beloved in the colonies. Three bedrooms (one with a

fireplace and suitable for a sitting room) are 12 feet square while the dining room is 12 feet by 11 feet 4 inches. Price, \$1,350 to \$1,700.

FREIGHT REDUCTIONS AT HONGKONG.

HONGKONG, British China, Aug. 5.—

There has been a sharp decline in trans-Pacific freight rates within the past few days, and at the present writing rates comparable with those obtainable previous to the war have been quoted. General business slackness in the Far East, due to some extent to the high value of silver exchange, which prevents the sale of Chinese products abroad to advantage, has resulted in a marked decrease in the movement of produce.

As usual under such circumstances, the subsidized Japanese lines have cut rates. Several large tramp steamers have come into the market for cargoes, and additional tonnage has been offered from other sources. The result has been a general collapse in rates eastward, which is likely to obtain until some of the tonnage now in service on the Pacific is transferred to other routes and until a change in the silver situation permits a renewal of active exports to the United States and Canada. Rates from Hongkong and China ports to the United States and Canadian overland common points at the present time are open and competitive.

The China coast freight situation is completely demoralized. Rates on rice from Saigon to Hongkong, usually counted as the basic rate for coastal freights, have fallen from \$1.20 local currency to \$0.20 local currency per picul or 133½ pounds. Chartering is slow in consequence, and it is likely that it will be some time before there will be a readjustment more in accordance with freight conditions in other parts of the world.

WORK ON HIGHWAYS IN COLOMBIA.

The Colombian Government has decreed that work on the new northern highway from Bogota to Cucuta is to be under the direction of the Minister of Public Works, with the co-operation of the Departmental Governments of Cundinamarca, Boyaca, and Santander. A commission of engineers appointed by the National Government will complete surveys for the highway, and will give instructions to the local engineers in charge of the work in each department. On completion of the principal road from Bogota to Cucuta, a branch road will be built to Bucaramanga, according to the decree in the Diario Oficial. Another decree provides that prisoners in the State penitentiaries shall work on the construction of a highway from Alban to the river Magdalena. The scarcity of railways in Colombia makes these highways of great value in transportation.

NATIONAL HIGHWAY IN VENEZUELA

Consul Homer Brett at La Guaira reports that the Government of Venezuela has determined to undertake the construction of a highway from Caracas to San Cristobal in the extreme western part of the Republic. This road will be the largest public work

ever undertaken by the Government of Venezuela; it will be 682 miles in length and will run from Caracas to Valencia, San Carlos, Guanare, Barinas, and San Antonio de Caparo. The work will probably be done by the Ministerio de Obras Publicas, Caracas, without the assistance of contractors.

**WATER SUPPLY FOR PUERTO
BARRIOS.**

The Government of Guatemala has authorized the Guatemala Railway Co. to supply drinking water to the city of Puerto Barrios. The water will be taken from the River Las Escobas, in the jurisdiction of the port Estrada Cabrera and pipe lines will be extended under water through the bay. The contract between the railway company and the Government, which is published in El Guatemalteco of August 3, specifies that the work must be completed within six months.

FOREST NOTES.

One tone of coniferous wood waste will produce from 15 to 25 gallons of 190-proof alcohol.

The bark of black oak, or "yellow oak," as it is often called on account of the color of the inner bark, is now used for dye-making.

The stand of timber on the two great National Forests in Alaska is estimated by the Forest Service as over 70 billion board feet, while the annual growth will, it is said, produce of pulpwood alone enough for the manufacture of three thousand tons of wood pulp a day.

Oak is the most suitable wood for carving, on account of its durability and toughness, without being too hard. Chestnut, American walnut, mahogany and teak are also desirable, while for fine work Italian walnut, lime, sycamore, apple, pear or plum are generally chosen.

**GOVERNMENT PUBLICATIONS FOR
SALE.**

The following were among the publications received in stock for sale by the Superintendent of Documents at Washington during the week ended September 9:

Markets for Machinery and Machine Tools in Peru, Bolivia, and Chile (Special Agents Series 118).—Reviews the character and methods of the machine trade in the countries covered and gives latest available statistics for imports of articles of this class. Price 10 cents.

Density and Expansion of American Petroleum Oils (Standards Bureau Technologic Paper 77).—Describes method of procedure, apparatus used reduction of observations, and tabulated results in detail applicable to all petroleum oils, both crude and refined, produced in the United States. Price, 10 cents.

Vice Consul G. C. Woodward reports that Vancouver's building permits for the month of August totaled \$620,879, as compared with \$156455 in July, 1916, and \$55,320 in August, 1915.

DESIGNS OF DOORS AND WINDOWS IN SOUTH AMERICA.

The Bureau of Foreign and Domestic Commerce has had prepared blue prints showing designs of doors and windows common in South American countries. Some of these show designs of the massive ornamental front doors that are in high favor for city residences, others of the less expensive front and rear doors, as well as several windows and window doors, together with their dimensions. These were prepared from drawings furnished by Special Agent of South America," Special Agents Roger E. Simmons in connection with his reports "Lumber Markets of the East Coast of South America," Special Agents Series No. 112, and "Lumber Markets of the west and North Coasts Series No. 117, in which publications is given an account of the sash and door market in each country. These prints will be loaned to firms interested (Refer to filea Nos. 741 and 772.)

PUBLIC EMPLOYMENT BUREAUS OF STATE OF CALIFORNIA.

That the Public Employment Bureaus of the State of California are making vast inroads on the business of the private employment bureaus is apparent from the large volume of business transacted by this new state institution during the past seven months. Labor Commissioner John P. McLaughlin's report, just issued, shows that the state has been instrumental in finding positions for the large army of 26,914 men and women since February 1, and saving them approximately \$54,000 in fees. The state's employment business is steadily increasing, the month of August being the banner period, when 5952 positions were filled, 1053 more than in July.

The efficient business methods have convinced private corporations, companies and private employers that they can obtain dependable service from the state, and this attitude has brought about the enormous business of California's youngest state institution.

The state employment bureaus have received 34,152 applications for employees during the past seven months. 31,393 persons were sent to fill these positions and of this number 26,914 were engaged. In all 27,918 men and women have applied for work. The great majority of the positions filled were permanent.

Of the 5952 positions filled in August, 3199 were outside of the cities of San Francisco, Sacramento and Los Angeles, where the bureaus are located, or 1046 more than were filled in these cities. The positions of this month were divided among 5214 men and 708 women.

The distribution of positions by the state since February 1 is interesting: Agriculture, 2707; food beverages and tobacco, 153; building and construction, 3252; clerical and professional, 242; hotels and restaurants, 3348; lumber 632; metals and machinery, 578; mining, oil and quarries, 339; printing and publishing, 8; transportation and public utilities, 6025; wholesale and retail trade, 538; wood working and furniture, 67; casual workers, 354; manufacturing, 270; private homes, 1662; miscellaneous, 6625. In this list is included practically every kind of work. The positions were

filled by 23,115 men and 3,796 women.

While the state has done remarkably well in filling positions, nevertheless many more positions could have been filled if there had been a sufficient supply of suitable employees who were willing to accept out-of-town work. At the four bureaus, during the past two months, from 1000 to 1500 jobs have gone begging, the wages being from \$2 to \$3 per day. The positions included section work, state highway, concrete, quarry, packing house, street, mucking, mining and kindred work. Idleness among people who are able to perform such out-of-town work is therefore inexcusable.

County and city officers, Chambers of Commerce and various civic organizations can do effective work in connecting employees with jobs if they would co-operate with the state employment bureaus.

RAILWAY DEVELOPMENT IN NEW ZEALAND.

AUCKLAND, N. Z.—According to the railways statement made to Parliament by the minister of railways there were on March 31, 1916, 2,970 miles of railway in New Zealand, against 2,955 miles at the end of the fiscal year ended with March 31 1915. The construction cost of these lines at the close of the past fiscal year was \$181,691,167, with gross earnings for the year of \$22,134,574, against \$19,979,206 for the previous fiscal year. The net profits during the fiscal year ended March 31, 1916, were \$7,768,762, against \$5,766,812 for the year ended March 31, 1915.

It is estimated that the revenue of the current fiscal year will be \$21,607,260, with an estimated expenditure of \$14,818,492.

During the fiscal year ended March 31, 1916, there was expended on improvements on the New Zealand Government railways the sum of \$1,750,843, against an estimated expenditure for the current fiscal year of \$3,918,506.

During the present fiscal year it is proposed to begin work on new modern stations at Auckland, Wellington, and Christchurch.

Scheme of Railway Improvements.

According to late published statements, it is proposed to inaugurate an extensive scheme of railroad improvements in New Zealand following the close of the war, since it is recognized that better railway systems are necessary in order to develop the country so as to take care of a large number of the returned soldiers on the land. As it is, most of the valuable land is situated so far from the railway that the transportation problem makes it practically impracticable to raise grain for the markets, and this territory at present is only used for grazing and to some extent for dairying.

SIAMESE HARDWOODS.

[Indian (Government) Trade Journal, August 1.]

In Siam the rose-woods are worked more particularly from the regions lying northeast and east of Bangkok and are exported in the form of roughly trimmed round logs, the average size of which is 12 to 24 inches in circumference and 80 to 120 inches in length. The rosewood forests have been heavily

overexploited, and as the Siamese Government is now taking measures to protect this wood by requiring workers to take out permits and by fixing a minimum girth at which it may be felled, restriction in general output is likely to ensue. The ebony woods are found to the west of Bangkok in the districts of Kanburi, Petchaburi, and to the south toward the Malay Peninsula. They also are exported in the form of roughly trimmed logs 12 to 20 inches in circumference and 80 to 120 inches in length.

The exploitation of these woods is not a regular industry in Siam, but forms one of the desultory occupations of the people when they are not engaged in rice growing. The wood is bought by Chinese, who are either middlemen or agents of Bangkok Chinese firms, and, as it will not float, it is brought to Bangkok by boat or by train. It is sold by weight, the unit for export being usually 100 piculs (about 6 tons), and the average price in Bangkok ranges from \$22 10s (\$109.50) to \$37 10s. (\$182.50) for rose-woods and about \$22 10s, per 100 piculs for the ebonyes. The ebonyes are apparently more uniform in quality than the rosewoods. None of these woods appear to be dealt with in Bangkok in the sawn form.

LASSEN COUNTY PLANS IRRIGATION PROJECT.

SUSANVILLE—If plans for the organization of two more irrigation districts are carried out successfully Lassen will be the ranking county in California for acreage under water with 120,000 acres. Two large districts have been organized in the county since the beginning of the year and petitions are on file asking the Supervisors to call elections for the organization of two more districts. One of the proposed districts will furnish water to 7000 acres in the Janesville section and the other, known as the Southern Lassen District, will irrigate about 35,000 acres in Long Valley. Lassen County has a great acreage of fertile deep soil, now covered with sage brush which only needs water to become the equal of any in the world for productivity, as shown by the lands in the county that have been irrigated in the Honey Lake Valley section.

FOREIGN TRADE POSSIBILITIES.

PORTLAND — The United States should learn two lessons from the present war in Europe, says Samuel Hill, well-known capitalist and good roads advocate, who has returned to Portland from a trip around the world that took him to almost every one of the belligerent nations. These two lessons are: Develop trade relations with Russia and prepare to defend the country against possible future aggressions. Mr. Hill spoke in Japan, Russia, England and France and said that the matter of the greatest importance now before the United States was cementing friendly relations between Japan, Russia and the United States.

"Russia and the United States possess the two greatest areas of food land in the world, and Japan occupying the position between them and controlling, as she does, practically all the vessels on the Pacific, should build up a great

carrying trade between Russia, a country of 200,000,000 people, and the United States with its 100,000,000 people," said Mr. Hill. "It seems strange that our Government has overlooked the opportunity to strengthen her relations with Russia. If you look back you will find that Russia always has been the consistent friend of the United States. Acre for acre, I believe the land of Siberia is better land than Dakota and Montana; there is more timber."

PROGRESS IN SIAM'S IRRIGATION SCHEME.

BANGKOK, Siam.—Two American engineers have recently arrived in Siam to superintend the assembling of the machinery which has arrived from the United States for the "Prasak" scheme of irrigation. An American firm of Milwaukee has supplied a steam shovel and hydraulic dredge, and another steam shovel came from manufacturers in Ohio.

These engineers will remain in Siam until the machinery is in satisfactory running order, and, if necessary, they may be asked to take permanent charge of the excavating work.

Two other American engineers are at present employed by the Siamese Irrigation Department in connection with this irrigation scheme.

NEW ROADS BUREAU IN SALVADOR.

The National Assembly of Salvador has created a bureau of public roads, designated Direccion General de Caminos, to operate under the Ministerio de Fomento, according to a decree in a recent number of the Diario Oficial. The new bureau will be in charge of technical men who will make an exhaustive study of all plans for roads and bridges, with a view to working out a system of connecting routes which will provide means of communication for the entire country. All work relating to the construction of new roads or the repair of old ones will be administered by this roads bureau.

AMERICAN SHIPPING DOUBLES IN TWO YEARS.

American shipping in the foreign trade has increased from 2,405 vessels of 1,076,152 gross tons on June 30, 1914, to 3,135 vessels of 2,194,470 gross tons on June 30, 1916. Nearly half of this tonnage, 320 vessels of 1,074,679 gross tons, hails from New York City.

INCREASED TOTAL OF AMERICAN BUILDING OPERATIONS.

Building operations in many of the larger cities of the country increased in 1915, according to the United States Geological Survey. In 48 selected cities the total cost of building operations was \$641,769,199, an increase of \$22,016,845, or nearly 4 per cent over 1914. Twenty-eight of these cities showed increase and 20 showed decrease. New York was the leading city in cost of building operations, with \$103,023,800, an increase of \$28,993,559 over 1914. Chicago, which was the leading city in 1914, was second in 1915, with building operations costing \$97,291,400, an increase of \$14,029,690. Brooklyn was third, with a total of \$45,601,851, an increase of \$3,729,544 over 1914. The

average cost per operation was \$3,190 in 1915, compared with \$3,042 in 1914.

TUNGSTEN DEPOSITS IN CALIFORNIA DEVELOPED.

Tungsten deposits in California, which were discovered in 1913, but remained practically unknown until the spring of 1916, have recently yielded considerable quantities of the mineral under the stimulus of the increased demand. A representative of the United States Geological Survey, who has visited the plant established there, finds that the ore bodies have some remarkable characteristics.

The deposits are 8 miles west of Bishop, Inyo County, Cal. On April 7 the Standard Tungsten Co. began work. Trails and roads were built, ore bodies were opened up, a mill was erected, and electric power was brought in. On June 7 the mill began to crush ore. The Tungsten Mines Co., started work on May 1, and by the latter part of July had completed a mill of 300 tons daily capacity, and was rapidly opening its main ore body, disclosing a lode as much as 60 feet wide. This activity has greatly stimulated prospecting, and tungsten has been found in a belt 15 miles long.

The ore bodies, it is found by the Geological Survey, are of a kind not mentioned by the recognized authorities on ore deposits as a commercial source of tungsten. The ore consists of scheelite associated mainly with garnet, epidote, and quartz. The general country rock is granite, but in it are scattered masses of limestone, which became mineralized at the time when the granite cooled from a molten condition. The limestones were altered to masses of garnet carrying subordinate scheelite by the metallic vapors then given off, and these are the ore bodies now worked. They average about 2 per cent of tungsten trioxide (WO₃).

\$2,000,000 RESERVOIR.

MARTINEZ, Cal.—Construction is soon to be started on the \$2,000,000 impounding reservoir of the People's Water Company, in the San Pablo Canyon. Materials are now on the ground for foundation work of the big dam which will extend across the canyon between the old Cancy and Castro ranches.

When finished the reservoir will be the main supply point of the People's Water Company system. The plan of the company to erect the dam was kept secret, but became public when wagons commenced to haul materials to the spot.

The dam will be located about six miles above the town of San Pablo and will create a lake about four miles long. Rebuilding of the present county road will be necessary. The contract has been let to Bates, Borland & Ayer and the work will require about three years.

A REMARKABLE HIGHWAY BRIDGE.

One of the interesting features of the State highway system of California is a trestle over three miles long across the Yolo Basin, which formerly isolated the people living along many miles of one bank of the Sacramento

river from those on the other side. The basin is a great marsh, which could be crossed formerly only during the dry weather of summer and early fall. At such seasons a difficult succession of ruts and chuckholes could be laboriously traveled, but at other time Sacramento was practically closed to the people on the other side of the basin. No road could possibly be maintained on the surface of the marsh, so the State Highway Commission built one high above it. For about 2,000 feet at one end, where an embankment will be built later to carry the highway, the trestle is of wood. Elsewhere it is constructed of reinforced concrete throughout, except the iron railing and asphalt pavement. The roadway is 21 feet wide and an average distance of 20 feet above the basin. It cost the State about \$400,000 but it lopped 30 miles off the distance to San Francisco by road making it 98 miles, and it brought Davis and Woodland within 30 and 56 minutes' motoring distance of Sacramento, although formerly they were practically isolated from it during most of the year.

THEN AND NOW.

Over 100 years ago John Adams called attention to the fact that there was little difference between the man who worked for wages that he must spend for the necessities of life and the chattel slave who received no wages and had his necessities supplied by his master. The real truth is that the average wage worker is economically no better off than the black man was under slavery, and it is no misnomer to call him a wage slave. When the black slave was sick he was well cared for because he was a piece of valuable property. When he was too old to work he was as well fed as those who worked. When the wage slave gets sick his wages stop and if he has managed to save nothing from his wages he goes hungry; when he is too old to work he becomes an object of charity, he is not valuable property. His death is no loss to the masters. The wage slave has but one advantage over the chattel slave—he has a vote and he can vote himself out of slavery whenever he gets sense enough to do it.—Quarry Worker.

INDUSTRIAL INJURIES DURING 1915.

The Industrial Accident Commission of the State of California has issued statistical information concerning injuries in the industries of the State during the year 1915.

There were reported 67,538 injuries, as follows:

Fatal	533
Permanent	1,261
Temporary	65,741

The total payments for the above injuries, reported up to June 30, 1916, amounted to \$2,002,706.04. This sum was apportioned between Compensation to Injured, \$1,150,503.56 Medical Payments, \$852,202.48.

There were 13,254 injuries out of the 67,538 that lasted 15 days and over.

It is interesting to compare the 1915 figures with those tabulated for 1914. During the latter year there were 691 industrial deaths, 1,292 permanent injuries and 60,241 temporary injuries, a total of 62,224. Last year's death list

shows a reduction of 158, due largely to the gospel of "Safety First" and the activities of employers and employees in co-operating to remove industrial hazards. The permanent injuries also decreased 28. There was an increase of 5,509 in the temporary injuries last year as compared to the 1914 figures. This is the experience of compensation history all over the world. More care is taken as time goes on in reporting injuries. The natural increase in population is a factor in contributing to a larger number of temporary injuries.

The Industrial Accident Commission is of the opinion that the decrease of 158 in the death columns will commend itself to the people of California, as will also the lowering by 28 of the number of permanent injuries.

DEVELOPMENT OF THE RUSSIAN-AMERICAN TRADE.

Facts of interest to American business men who may desire to enter the Russian markets are given in a recent publication of the American-Russian Chamber of Commerce. The bulletin presents a summary of the incorporation laws of Russia and devotes special attention to the Russian press as an advertising medium.

The development of trade between the two countries, the commerce chamber states, involves particularly the establishment of American corporations in Russia for the purpose of selling American products and of undertaking the development of Russian business enterprises, and the securing of direct and permanent connections in the Russian market by the use of advertising.

During the past 10 years there has been a great increase in the number of joint stock companies incorporated in Russia, and many of these have the support of English, Belgian, French, and German capital. In 1913 there were 240 joint stock companies incorporated with \$205,602,930 capital. Twenty-one of these, with \$18,260,000 capital, were foreign. Representatives of American business may enter the Russian market in two ways—either by the establishment of companies in the United States for the purpose of doing business in Russia or by establishing companies under Russian laws. In order to do business in Russia it is necessary to secure special permission from the Imperial Russian Government, but the Russian business interests are now attempting to secure a change in the incorporation laws, and it is believed that in the future companies will be in-

corporated in Russia on the principle of registration instead of the now existing principle of special permission.

Russia has an extensive and well-established press. Just before the war there were approximately 2,167 papers and magazines published in 246 cities and towns, reaching every part of the empire. There is not only a daily metropolitan press, with large circulation, but the provincial press and the trade papers are thoroughly organized.

The booklet just issued presents a detailed list of all the more important publications, with their circulations and present advertising rates. The title of the bulletin is "The Russian Market: Its Possibilities and Problems." The organization has headquarters at 60 Broadway, New York City.

INVENT TALKING MOVIES.

LOS ANGELES—Through the medium of a selenium cell, which he has invented and patented, W. F. Alder of 134 Mariposa Street, a member of the American Association for the Advancement of Science, who has been conducting experiments with light and sound waves for more than 11 years, has produced actual "talking pictures" which seriously threaten to revolutionize the film industry and bring the spoken drama back into its own. With a motion-picture camera, Mr. Alder photographed "sound waves," or tone vibrations, on an ordinary motion-picture film, developed it, and then, using a motion-picture apparatus, projected these photographs images upon the disk of his selenium cell.

SEEKS NEW STATISTICS.

SACRAMENTO—For the purpose of gathering first-hand data on the major industries of California, George Robertson, statistician of the State Agricultural Society, will leave in a few days for a tour of the State, returning here in December. Robertson's statistical data, which he has been collecting for 16 years, together with records of the State Agricultural Society dating back to 1854 were burned in the fire which destroyed the Administration Building at the State Fair—Statistical records from every nation, including the Republics of Central and South America, were lost, and cannot be replaced because they are out of print. Robertson has established temporary headquarters in the Women's Building, which has been converted into an Administration Building pending the erection of a new structure.

REMOTE CONTROL FOR ELECTRIC TESTING LABORATORY.

An elaborate system for the rapid and accurate control of electric generators is described in Scientific Paper No. 231, which has been published by the United States Bureau of Standards. In a laboratory in which a large number and variety of electrical instruments are tested it is important that means be provided for such control of the generators that provide the current for testing. In this new publication the system in use at the bureau is described. The control rheostats are not handled by the observers directly but are operated by small motors which are controlled from any one of the several laboratory rooms by means of small multiple-lever switches.

Purchase your equipment direct
from the manufacturer.

40 per cent Saved

Concrete Mixers.

Pavers.

Asphalt Plants and Tools.

Rollers

Tanden and Macadam

Concrete Carts.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Phone Market 1675 San Francisco

To the Building and Engineering News

560 Mission Street, San Francisco

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Send me the Building and Engineering News for _____ years and
will pay you as per X mark below when you send your bill.

Signed _____
 Street and No. _____
 City _____
 State _____

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 41

Publication Office,
860 Mission St.

San Francisco, Cal., October 11, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

**PYROPHOR is a
Tool Steel** which

is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco

Telephone Douglas 1794

Member
Insurance Brokers Exchange

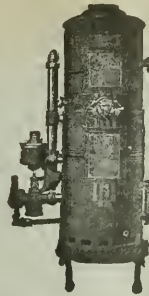
FRED H. BOGGS

Fire Insurance

62 POST STREET.

Room 321 Foxcroft Bldg.,

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers
Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 8941

THE

Safe Deposit Vaults

of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junoton Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

bet. Cough and Octavia

SAN FRANCISCO, CAL.



An increasing number of home builders request that a silent closet be installed.

Kwy-eta is the closet to install whenever they request a silent closet—it eliminates the embarrassing noise of rushing water at the same time having the strongest flush of any closet.

Like all "Pacific" Plumbing Fixtures it is guaranteed forever against any defects in workmanship or materials.

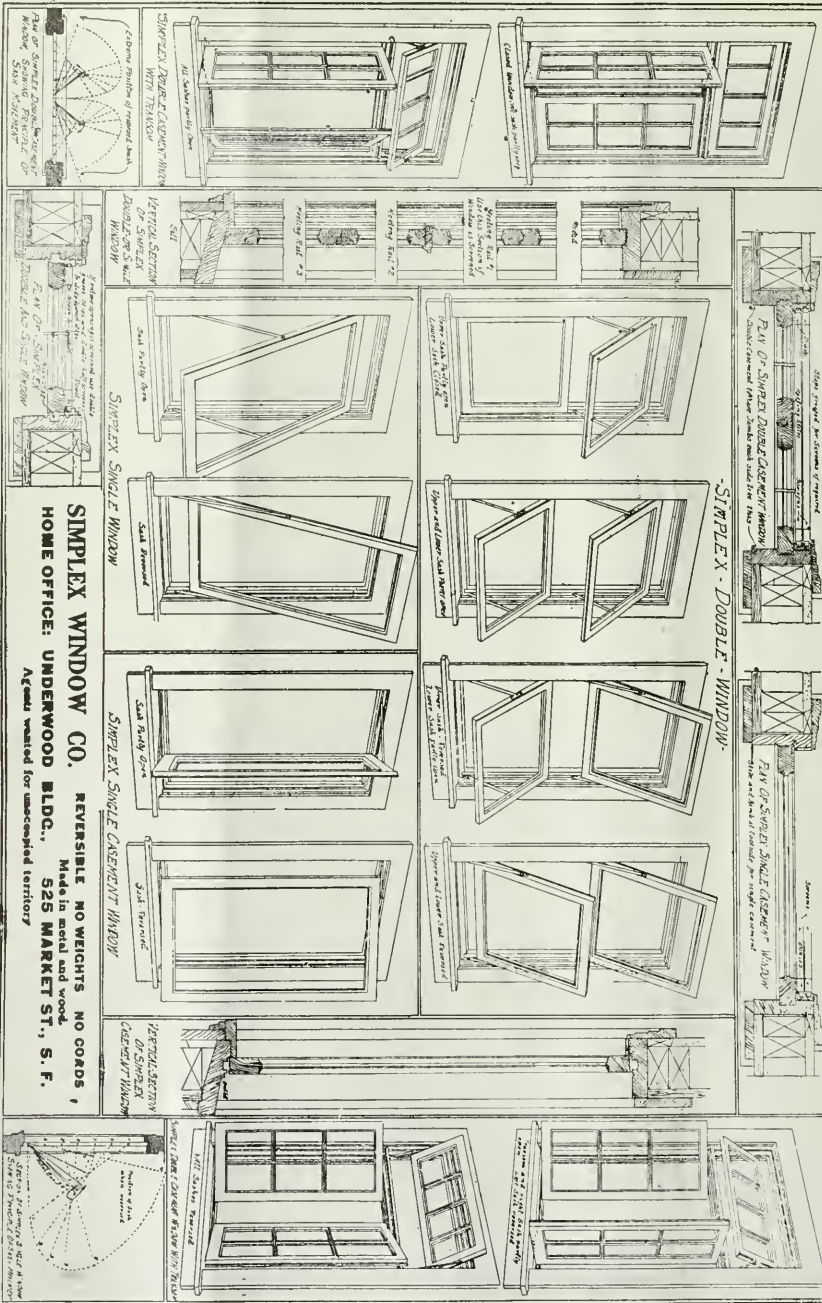
"Pacific"



Plumbing Fixtures

Main Offices and Showroom,
67 New Montgomery St.
San Francisco, Cal.

Factories,
Richmond
California.



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. October 11, 1916

Sixteenth Year, No. 41



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor,
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	
Apartment Houses.....	1
Bath Houses.....	4
Bonds.....	4
Bridges, Dams and Harbor Work.....	4-5
Editorial Comment.....	2
Factories and Warehouses.....	5
Flats.....	5
Fresno, Modesto, Stanislaus and Central California.....	25-26
Government Work and Supplies.....	5
Halls.....	5
Hospitals.....	5-6
Hotels.....	6
Irrigation and Reclamation Projects.....	6
Libraries.....	6
Los Angeles and Southern California.....	28
Marin, Contra Costa and Sonoma Counties.....	24-25
Oakland and Alameda County.....	18-19-20-21-22
Portland and Oregon.....	28-29
Post Offices.....	6
Pulver Plants and Water Systems.....	6
Railroad Construction, Stations and Equipment.....	6
Residences.....	6
Sacramento, Stockton and Northern California.....	26-27-28
San Francisco.....	11-12-13
San Jose and the Santa Clara Valley.....	14-15-16-17-18
Schools.....	22-23-24
Sealed Proposals.....	10
Seattle and Washington.....	29
Sewers and Street Work.....	7-8-9
Stores and Offices.....	9
Theatres.....	10

MILITARY TRAINING.

From Fresno Republican.

Students in the Fresno high school are in favor of military training, provided it can be so arranged as to interfere only with lessons, and not to obstruct athletics. Since lessons are a mere necessary evil while athletics are the ultimate good, the summum bonum, the conclusion follows inevitably. For that matter, they are probably right about it. The athletics should be continued and should not be interrupted by new or additional work. Neither should the studies. All the gain possible of knowledge, of strength and discipline is still less than enough for those precious high school years, which in too many cases mark the last free-growing period of life.

But if there must be a great increase in the total quantity of school activities, we may have to learn a lesson out of the German example, by very considerably increasing the total number of hours spent in school. This does not mean to increase the total number of hours now spent in studying and reciting. In fact, when the American school system becomes more efficient and escapes fully from traditionalism we may learn very greatly to reduce the present amount both of studying and of reciting. Much of the studying now done consists of waste effort on the part of students, who do not know how to study, and much of the alleged reciting consists of mere policing, to detect and punish those who have shirked the task of studying. This remark applies not so much to any particular high school as to the general traditional system of all the schools everywhere. We may drift toward an ideal of efficiency which will be able to produce the present amount of learning with less study and less reciting than is now done. But even when that time comes, if school activities are to be much extended the German example of increased hours may become a necessity. In the increased hours of a German school the students do not merely do all their studying and reciting, but most of their playing, athletics, instructive amusements and social training. The increase in hours does not increase the total burden of activity of life, but merely puts more of it into the school.

We are not advocating this or any other revolutionary change in the immediate conduct of California high schools. This digression is merely an incident to congratulating the schools in Fresno, Sacramento and elsewhere upon even a conditional vote on the part of the students in favor of general military training.

Unless this crazy world can be revolutionized in much less time than now seems possible, America must

take seriously the problem of preparing to maintain itself among the lunatics around it. And the mere preservation of one's own sanity would be no safeguard against a cordon of armed maniacs just turned loose from the violent ward. Against force only force can prevail, and in the modern world no force is useful except trained force. The beginnings of training in the high schools may easily be the beginning of national safety in the years very soon to come.

AMERICAN TIMBER EXPERTS TO STUDY EUROPEAN FIELD.

The Bureau of Foreign and Domestic Commerce and the Lumber Manufacturers' Association have completed arrangements for a joint study of the markets in Europe for the sale of American lumber. Four or five men are to be employed on this work, and they are to be selected from among the persons who successfully pass an examination to be given in the principal cities of the country on September 22.

Applicants for positions must be citizens of the United States and must be available for two years' service. The first subject of the examination will be practical questions, covering forestry, or timber production; manufacture of forest products, and marketing of forest products. For the second subject a thesis on investigation methods will be required. Foreign languages will be the third subject and the competitors will be required to translate a passage from one at least of the following languages: French, German, Italian, Dano-Norwegian, Swedish, Spanish, or Russian. Education and experience will be considered in making the selection.

Ability to write good English is an essential qualification and will be judged on the basis of the written examination papers. Good address and appearance will also be considered, as will ability to address public gatherings. Candidates who successfully pass the written examination may be required to appear before an oral examining board at Washington.

Applications to take this examination should be made at once direct to the Bureau of Foreign and Domestic Commerce at Washington, and should contain a complete statement of the applicant's education and particularly his experience in the fundamental subjects of the examination.

The experts chosen are to be employed by the Bureau of Foreign and Domestic Commerce, although the larger part of the fund required will be furnished by the lumber association. Salaries not to exceed \$10 a day will be offered, and in addition all transportation expenses will be paid, and \$1 a day will be allowed for subsistence expenses.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 7 story and base, frame. Cost not stated. Architect, W. J. Keenan, 2 Atalaya Terrace, S. F. Location, Masonic and Fulton. Will contain sixteen apartments of three and four rooms and one-car garage. Stores on the Market street frontage. Plans being prepared.

FRESNO, CAL.—Apartment house and hotel, 6 or 7 story and base, reinforced concrete. Cost not stated. Architect, E. Mathewson, City Bldg., Fresno. Owner, S. N. Griffith. Location, M and Mariposa streets. Only preliminary studies have been made of this project and details of construction cannot be given at this time. Further mention will be made of the work.

Contracts Awarded.

LOS ANGELES, CAL.—Apartment house, 3 story and base, frame, \$40,000. Architects, Taylor Bros., Black Bldg., L. A. Owner, Henry J. Benidict. Contractors, Taylor Bros., Black Bldg., L. A. Contract price, \$40,000.

BATH HOUSES.

BAKERSFIELD, KERN CO., CAL.—Bath house, 1 story, frame. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Location Reale Park. Plans complete and figures to be opened on October 16th at 3 p. m.

BONDS

MARTINEZ, CONTRA COSTA CO., CAL.—Bonds of \$51,000 for the erection of a new grammar school building in Martinez have been sold and bids for the erection of the structure are now being advertised.

RICHVALE, BUTTE CO., CAL.—Bonds of \$50,000 have been sold by the Directors of Drainage District No. 100, near Richvale, and the proceeds of the sale will finance the construction of a large outlet. Frank Robinson, an engineer of Chico, is in charge of the work and states that the outlet will be seven miles in length, extending from a point on the Biggs-Princeton road a mile and a half west of the Cherokee canal to Butte Creek, entering the creek three-quarters of a mile above the Gridley Gun Club bridge.

LINDSAY, TULARE CO., CAL.—Owing to a technical error the bonds of the Lindsay-Strathmore Irrigation District will be readvertised for sale.

TRACY, SAN JOAQUIN CO., CAL.—The \$19,000 worth of fire bonds recently voted have been sold and the purchase of fire equipment will be ordered by the City Trustees within the next few days.

SAN DIEGO, SAN DIEGO CO., CAL.—An election will be held November 17, for voting on an issue of bonds in the sum of \$682,000 for the construction of

the Lower Otay dam and two bridges across the San Diego River.

PHOENIX, ARIZ.—An election will be held October 23, for the purpose of voting bonds in the sum of \$600,000 for the construction of an electric light and gas plant to be owned and controlled by the city.

POCATELLO, IDAHO.—The citizens of Pocatello have voted in favor of issuing \$300,000 bonds for the purpose of extending and otherwise perfecting the water system.

RIVERDALE, FRESNO CO., CAL.—Bids for the purchase of \$25,000 in school bonds will be received up to October 19, by the Riverdale Joint Union High School District. Proceeds of the sale will finance the construction of a new school.

SACRAMENTO, CAL.—The \$1,750,000 county highway bond issue carried by a large majority. The bonds will be advertised for sale within the next few weeks. The proceeds of the sale will be used to construct 124 miles of concrete road.

MIDWAY, KERN CO., CAL.—The Midway School District bonds have been sold by the County Supervisors and plans for the new building to be erected from the sale will be ordered within the next few days.

YREKA, SISKIYOU CO., CAL.—Judge Lodge has rendered a decision in the matter of testing the validity of the Yreka City bonds for the building of a city hall and widening Fourth street.

He holds the city hall bonds were valid, they having received the necessary two-thirds majority of all the votes cast at the municipal election in April, but declares the bonds for the widening of Fourth street invalid, because they lacked the necessary two-thirds vote.

BRIDGES, DAMS AND HARBOR WORK

SAN FRANCISCO—Sea wall construction. Cost not stated. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Plans have been approved by the War Department for the construction of a concrete sea wall at Fort Point in the Presidio of San Francisco. Plans call for about 260 feet of solid granite wall. Bids will be called for shortly.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridge, reinforced concrete, \$11,500. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. The County Supervisors have rejected the two bids received for the construction of a bridge in Gaviota Canyon. Plans for the structure were prepared by E. H. Flaherty. The engineers estimate was \$11,500 and the bids were: Boardman Construction Co., \$16,240; Mesmer & Rice, \$15,397. Both bids were rejected, and the Supervisors discussed plans for providing a temporary crossing across the creek at this point on the State high-

way until plans that will bring lower bids are made.

Contracts Awarded.

WILLOWS, GLENN CO., CAL.—Bridges, reinforced concrete. Cost as follows. Engineer, County Surveyor, Willows. Owners, Glenn County. Contracts for four reinforced concrete bridges to be erected in Glenn County were awarded by the Board of Supervisors, and bids for two other bridges were taken under advisement. Following are the awards made:

Ledejer Bridge—Ross Construction Co., Forum Bldg., Sacramento, \$2,696.
Cordin Slough Bridge—Teal & Thompson, \$1,300.

Union Bridge—Ross Construction Co., \$1,870.

Reiman Bridge—Manning Bros., General Delivery, San Leandro, and 924½ Jay street, Fresno, \$1,625.

Likenmyer and Mason Bridges—Bids for these two bridges were taken under advisement. Manning Bros. presented the low figure.

OROVILLE, BUTTE CO., CAL.—Bridge, reinforced concrete, \$2,288. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, A. Peter, Oroville. Contract price, \$2,288.

REDDING, SHASTA CO., CAL.—Bridges, reinforced concrete, \$2,365.75. Engineer, County Surveyor, Redding. Owners, Shasta County. The Supervisors have let the contract for building two bridges over Griffiths Gulch on the road from Anderson to Olanda to S. Seyerson for \$2,365.75. Other bidders and their bids were: Bolton & Rhyndress, \$3,400; William Stephens, \$3,784; J. T. Black and C. L. Oliphant, \$2,799; T. H. Polk, \$3,949; Rolle Arbuckle, \$2,676.75.

MARYSVILLE, YUBA CO., CAL.—Bridges, reinforced concrete. Cost as follows. Engineer, County Surveyor, Marysville. Owners, Yuba County. The Supervisors have awarded the contracts for the building of the extensions to the Smith bridge, Joe Losey and Park Bar bridges to Jenkins & Wells. They will build the Smith bridge for \$2,188; Park's Bar bridge for \$1,868, and Joe Losey bridge for \$900.

SAN JOSE, SANTA CLARA CO., CAL.—Bridges, reinforced concrete. Cost as follows. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids have been received and the following contracts awarded for bridges: Montague Bridge—John Williams, San Jose (awarded), \$1,570; James Casley, \$1,698; R. H. Jamison, \$1,600; John Doyle, \$1,597; S. Sciarino, \$1,580; Baker & Martin, \$1,925; L. T. McFadden, \$2,399. County Surveyor's estimate, \$1,505.

McKear Road Bridge—John Doyle, 660 North 10th, San Jose, awarded contract, \$2,650; John Williams \$2,738; William Martin, \$2,975; S. Sciarino, \$2,850; Baker & Martin, \$4,208. County Surveyor's estimate, \$2,940. All bids for the construction of a drainage ditch were rejected, as the amount asked was

nearly twice the amount of the Engineers estimate.

HOLLISTER, SAN BENITO CO., CAL.—Bridge, reinforced concrete, \$2,460. Engineer, County Surveyor W. A. Winn. Hollister, Owners, San Benito County. Contractor, R. B. Williams, Hollister. Contract price, \$2,460.

SALINAS, MONTEREY CO., CAL.—Bank protection, \$10,000. Engineer, County Surveyor, Salinas. Owners, Monterey County. Contractors, Midland Bridge Co., St. Louis, Mo. Contract price, \$10,000.

PRESNO, PRESNO CO., CAL.—Bridge approaches, \$1,095. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractor, J. E. Mitchell, 201 201 N street, Fresno. Contract price, \$1,095.

SAN FRANCISCO—Sea wall construction, \$66,150. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Contractors, Blake Bros., Oakland Bank of Savings Bldg., Oakland. Contract price, \$66,150.

CITY WORK.

The San Francisco Bureau of Architecture has been instructed by the Board of Public Works to prepare plans and specifications for alterations to be made on County Jails Nos. 2 and 3. The work will cost in the neighborhood of \$12,000.

The Bureau reports the preparation of specifications for furnishing and installing window shades in the Juvenile Court and Detention Home. An estimate of \$800 is placed on this work.

Plans for furnishing and installing disinfectors and sterilizers in the new Central Emergency Hospital are nearing completion and will be sent to the Works Board for approval within the next few days. The work will cost approximately \$3,000.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Packing house, 7 story mill construction, \$45,000. Architect, Hermann Barth, 12 Geary street, S. F. Owners, Frye & Co. Location, southeast Front and Pacific streets, covering a large ground area. Contract for excavating awarded. Plans complete for balance of the work and figures being taken. Bids close on October 16th.

OAKLAND, CAL.—Machine shop, 1 story, brick, \$9,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, J. H. Kim. Location, Sixth street between Broadway and Franklin. Will contain office and work space. Plans complete and segregated figures being taken.

OAKLAND, CAL.—Factory chimney, reinforced concrete, \$2,000. Engineer, none. Owners, Barbour Chemical Co. Location, 50th avenue and E street. Plans complete and work to be done by Day Labor.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Factory group, 1 story, frame and corrugated iron. Cost not stated. Architect, none. Owners, E. H. Edwards Co. Contractor, George Wagner, 251 Kearny street, S. F. Contract price not stated. Will cover an area of 60 by 200 feet. This is the first of a group of five buildings which will form the new factory. The other buildings will be similar in construction, and will be erected following the completion of the first building.

SEATTLE, WASH.—Transit shed, 2 story, frame, \$32,800. Engineer, Port of Seattle Commission. Owners, City of Seattle. Contractors, Harrington-Peters Co., Oriental Bldg., Seattle. Contract price, \$32,800.

FLATS

STOCKTON, SAN JOAQUIN CO., CAL.—Flats, 2 story and base, frame. Cost not stated. Architect, Franklin Warner, San Joaquin Bldg., Stockton. Owner, Peter G. Knutze. Location, Aurora between Park and Oak streets. Will contain two flats of four and five rooms. Plans are being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, Gustave Peterson, 682 9th avenue, S. F. Location, east 12th avenue north Fulton. Will contain two flats of five and six rooms and bath. Basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$15,800. Architect, Bernard J. Joseph, Call-Post Bldg., S. F. Owner, Harry P. Bingham. Location, Pacific avenue east Buchanan, covering an area of 32 by 90 feet. Will contain two large residential flats. Plans complete and figures being taken.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owner, Thomas Hamill, 5535 Geary street, S. F. Location, west 25th avenue south Anza. Each building will cover an area of 25 by 45 feet and contain two flats of five rooms each. Basement garages. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Flats, 2 story and base, brick, \$6,000. Architect, F. Holberg Reimers, Acheson Bldg., Berkeley. Owner, Mrs. Harvey. Location, corner Colusa and Solano streets, covering an area of 40 by 50 feet. Will contain two flats of four and five rooms, bath and basement garage. Plans being prepared.

GOVERNMENT WORK & SUPPLIES

Ironstone Canal, Extension

Bids for constructing Ironstone Canal extension, etc., Uncompahgre Valley project, were received by the U. S. reclamation service, Montrose, Colo., as follows:

The Osman Construction Co. of Montrose, Col., Montrose, Col., \$11,005, schedules 1, 4, 9, 10 and 11.

Holliday & Eldridge, Montrose, Col., \$8,365, schedules 7, 8 and 12.

Flathead Canal Work.

Bids for constructing canals and structures on Flathead project, Mont., were received at the U. S. reclamation service, St. Ignatius, Mont., as follows:

Pearson Construction Company, Seattle, Wash., schedule 1, \$3,765; 2, \$4,212.60; 3, \$20,867.50; 4, \$9,261.40.

Welch Bros. & Hannaman, Kalispell, Mont., schedule 1, \$8,530; 2, \$8,538.81; 3, \$24,385; 4, \$16,003.

Nelson Rich Dixon, Mont., schedule 1, \$5,980; 2, \$9,393.40; 3, \$22,557; 4, \$20,241.50.

Clarence R. Long, Polson, Mont., schedule 1, \$6,920; 2, \$11,406.75.

Mendenhall, Bird & Co., Springfield, Utah, schedule 1, \$5,540; 3, \$21,635.

Los Angeles, Cement.

Bids for Portland cement, sand, and stone at San Pedro, Cal., were received

by the U. S. engineer office at Los Angeles, Cal., as follows:

Item 1, 18,500 bbls Portland cement; 2, 11,000 short tons sand; 3, 22,000 short tons gravel and crushed rock.

Golden State Portland Cement Co., Los Angeles, Cal., item 1, \$1.78 per bbl. Riverside Portland Cement Co., Los Angeles, Cal., item 1, \$1.73.

California Portland Cement Co., item 1, \$1.75.

Russell-Greene-Foell Co., Los Angeles, Cal., item 2, 65c; 3, 85c.

Pacific Rock and Gravel Co., Los Angeles, Cal., item 2, 65c; 3, 84c.

Light House Service, Repairs.

The following bids were received by the light house inspector, 17th district, Portland, Ore., for repairing wharf at Semiamoo Harbor Light Station, Wash.: American Pipe Driving Co., Everett, Wash., \$5,600; 90 days; accepted.

P. B. Church & Co., Seattle, Wash., \$7,589; 90 days.

HALLS AND SOCIETY BUILDINGS.

SAN FRANCISCO—Club house, 1 and 2 story, frame and plaster, \$50,000. Architect, George W. Kelham, Sharon Bldg., S. F. Owners, San Francisco Golf and Country Club. Location, Great Highway. Will contain banquet rooms, social rooms, kitchen and sleeping apartments. Plans nearly complete and figures to be taken in January when work on the links is completed.

SAN RAFAEL, MARIN CO., CAL.—Lodge hall, 1 story, frame and plaster, \$14,112. Architect, Charles W. Drysdale, Sharon Bldg., S. F. Owners, San Rafael Elks' Hall Association, T. Saywell submitted the lowest bid for this work and will probably be awarded the contract.

SACRAMENTO, CAL.—Lodge hall, 3 story and base. Class A construction, \$300,000. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento Masonic Hall Association. Location, 12th and J streets, covering an area of 100 by 100 feet. Will have two mezzanine floors, giving it a height of practically five stories. Preliminary plans approved and bids to be called for before the end of this year.

HOSPITALS

STOCKTON, SAN JOAQUIN CO., CAL.—Hospital chapel, morgue and boiler room, 1 story, frame and concrete, \$8,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, San Joaquin County. Plans for these additions to the San Joaquin County Hospital have been completed and are now out for figures. Bids will be opened on October 20th at 10 a. m.

PATTON, SAN BERNARDINO CO., CAL.—Hospital cottage, 1 story, frame and concrete. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids will be opened on October 20th for the construction of this building. Plans can be secured from the State Department of Engineering. An official proposal appears in another column of this issue.

Contracts Awarded.

TACOMA, WASH.—Nurses' home, 4 story and base, brick and concrete \$60,000. Architects, Heath & Gove, National Realty Bldg., Tacoma. Owners,

Tacoma General Hospital. Contractor, J. E. Bonnell, 760 Commercial street Tacoma. Contract price, \$60,000.

HOTELS

SAN FRANCISCO—Hotel alterations, steel and concrete, \$15,000. Architects, Wright & Rushforth, 354 Pine street, S. F. Owners, Otis Estate. Location 1217 to 1245 Market street. This work will consist of constructing a sun porch on the front of the present building, extending two elevators, constructing additional fireproof stairs and installing three emergency exit doors. Plans complete and contract to be awarded at once.

SAN LEANDRO, ALAMEDA CO., CAL.—Hotel, 3 story and base, brick or frame, \$50,000. Architects, Crosbie & Judson, Fresno. Owners, San Leandro Hotel Co. Will contain 80 rooms, office, dining room, kitchen and a number of baths. Plans complete and figures being taken for both frame and brick construction.

SAN JOSE, SANTA CLARA CO., CAL.—Hotel addition, 2 story and base, reinforced concrete, \$50,000. Architect, William Binder, Iten Bldg., San Jose. Owners, Hotel Montgomery. Location, San Antonio street. New portion of the building will contain sample rooms, kitchen and a banquet room. Plans are being prepared.

IRRIGATION PROJECTS

MERCED, MERCED CO., CAL.—Drainage ditch, \$50,000. Engineer, County Surveyor, Merced, Owners, Merced County. The County Supervisors at their meeting rejected all bids received for the construction of the drainage canal at Atwater. Many bids were submitted for only parts of the work. One bid was submitted for \$54,761.84 for the job complete. It is very probable that the Board will readvertise for bids.

HILT SAG, SAN JOAQUIN CO., CAL.—Irrigation flume, reinforced concrete. Cost as follows. Engineer, J. B. Leonard, Rialto Bldg., S. F. Owners, South San Joaquin Irrigation District. Consulting Engineer J. B. Leonard is preparing plans for a large concrete flume to be constructed at Hilt Sag, San Joaquin County, for the South San Joaquin Irrigation District. Mr. Leonard states that the work will be done by Day Labor under the direction of the irrigation district and will extend over a period of three years. An estimated cost of between \$75,000 and \$85,000 is placed on the work.

LIBRARIES

SACRAMENTO, CAL.—Library, 3 story and base. Class C construction, \$130,000. Architect, Loring P. Rixford, Sharon Bldg., S. F. Owners, City of Sacramento. Bids were opened on October 5th for this work and show Knowles & Mathewson, Cali-Post Bldg., San Francisco, low on the general construction at \$75,000 and \$99,000. A complete list of the figures will be found under the heading of Sacramento in this issue. A contract has not been awarded.

HAYLESS SCHOOL DISTRICT, GLENN CO., CAL.—Library, 1 story, frame. Cost not stated. Architect's name not given. Owners, Glenn Coun-

ty. Bids will be opened on October 20th at 10 a. m. for a small public library. Plans can be secured from the office of the County Clerk.

POST OFFICES

WILLOWS, GLENN CO., CAL.—Post office, 2 story and base, brick and stone, \$77,997. Architects, Bliss & Paville, Balboa Bldg., S. F. Owners, United States Government. Bids opened in Washington on October 2nd for this building show Welch Bros. & Hannaman, of Kalispell, Mont., low at \$77,997. A complete list of the bids received will be found under the heading of Sacramento and Northern California in this issue.

POWER IMPROVEMENTS

SAN FRANCISCO—Laying high pressure mains, \$8,750. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. E. M. Whitlock submitted the lowest figures for laying high pressure mains and will probably be awarded the contract. A complete list of the bids received will be found under the heading of San Francisco in this issue.

SAN FRANCISCO—Copper wire. Cost not stated. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Bids will be opened on October 15th for furnishing copper wire for the Hetch Hetchy project.

RIO VISTA, SOLANO CO., CAL.—Laying water mains. Cost not stated. Engineer, City Engineer, Rio Vista. Owners, City of Rio Vista. Bids will be opened on October 19th at 8 p. m. for laying an 8-inch water main, consisting of approximately 2,900 feet of 8-inch pipe to run from the pump house at the foot of Main street, along Main street, Front street, Bruning avenue and the alleys in block 36, to connect with the steel water tower at the head of St Gertrude's avenue.

RAILROAD CONSTRUCTION AND EQUIPMENT

REDDING, SHASTA CO., CAL.—Passenger station, 1 story and base, stone and concrete, \$17,000. Architect, Architectural Department Southern Pacific Co., Flood Bldg., S. F. Owners Southern Pacific Co., Location, Yuba street. Will contain two waiting rooms, baggage rooms and agent's office. Plans being prepared and work may be done by the company under the Day Labor system or by contract.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, W. H. Keenan, Fulton and Masonic avenue, S. F. Location, west Alameda north Fulton. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, James Welsh, 543 18th avenue, S. F. Location, west 18th avenue north Balboa. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$2,500. Architect, Chester H. Miller, First National

Bank Bldg., Oakland. Owner, Ullric Peterson. Location, Steiny Terrace. Will contain six rooms, bath and sleeping porch. Plans being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residences, 2, 1 story and base, frame, \$2,00 each. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, east Sacramento north Cedar. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owners, Morgensen Bros., 589 63rd street, Oakland. Location, south 44th street west Webster. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, M. L. Newsom, 1748 Broadway, Oakland. Owner, A. F. Werum. Location, 35th avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owners, Broadhead and Wishart, 864 57th street, Oakland. Location, north 42nd street west Market. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

WEST BERKELEY, ALAMEDA CO., CAL.—Residences, 2, 1 story and base frame, \$2,200 each. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, A. Samuels. Location, West Berkeley. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and figures are being taken.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1½ story and base, frame, \$2,500. Architect, none. Owner, C. M. Balboa. Location, south Wildwood, Lot 35, Lakewood Park. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, G. Taylor, 96 Pearl street, Oakland. Location, west Greenwood avenue north Park Boulevard. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Ernest Kump, Rowell Bldg., Fresno. Owner, W. H. Kump. Location, Alta Vista Tract. Will contain eight rooms, bath and sleeping porches. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, brick and frame. Cost not stated. Architects, Crosbie & Judson, Fresno. Owner, F. W. Pusey. Location, 12 miles east of Fresno. Will contain ten rooms, three baths and sleeping porch. Concrete swimming pool is also included. Plans complete and figures being taken.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, \$3,500. Architect, M. L. Newsom, 1748 Broadway, Oakland. Owner, A. F. Werum. Location, Yosemite Terrace. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor under the direction of W. C. Brown.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,500 each. Architect, none. Owner, F. Nelson, 2701 Lincoln Way, S. F. Location, west Hill-way south of Carl and north Parnassus. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$1,200. Architect, none. Owner, T. E. Taylor, 538 20th street, Richmond Location, Panama and Roosevelt avenues. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

PALO ALTO, SANTA CLARA CO., CAL.—Residence, 3 story and base. Class A construction, \$50,000. Architect, Louis Christian Mullgardt, Chronicle Bldg., S. F. Owners, Trustees of Leland Stanford, Jr., University. Bids have been opened for the construction of the three-story Class A residence to be erected on the campus at Palo Alto for the President, David Starr Jordan. The Dinwiddie Construction Co., Crocker Bldg., San Francisco, presented the lowest bid at \$32,500 and will probably be awarded the contract although such action has not been taken.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, E. S. Kallman Belmont and West streets, Fresno. Location, Buena Vista Addition. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Residences, 2, 2 story and base, frame, \$2,000 each. Architect, James T. Narbett, 704 Macdonald avenue, Richmond. Owner, Mathew Morton, 10th Macdonald avenue, Richmond. Location, Pennsylvania avenue between 7th and 8th streets. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Residence, 2 story and base, reinforced concrete. Cost not stated. Architects, Montgomery & Montgomery, Merritt Bldg., L. A. Owner's name not given. Location West Hollywood, covering an area of 100 by 60 feet. Will contain twelve rooms and three baths. Plans being prepared.

LOS ANGELES, CAL.—Residence, 2 story and base, brick. Cost not stated. Architect, Frederick J. Soper, Story Bldg., L. A. Owner, G. E. Hagard, 310 South Hill street, L. A. Location Brentwood Park. Will contain twenty rooms and six baths. Plans complete and figures to be called for shortly.

SALINAS, MONTEREY CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Ralph Wychoff, Watsonville. Owner, M. Mortensen. Will contain eight rooms, bath and sleeping porches. Plans being prepared.

Contracts Awarded.

WATSONVILLE, SANTA CRUZ CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Ralph Wychoff, Watsonville. Owner, C. E. Ford. Contractors, Hamilton & Church, Santa Cruz. Contract price, \$5,000.

SCHOOLS

MODESTO, STANISLAUS CO., CAL.—School, 1 story and base. Class C construction, \$33,000. Architects, De Remer & Hewitt, L. A. Owners, Mo-

desto School District. At the Tuesday night meeting of the Board of Education all bids for the construction of the Class C school building were rejected. Plans will be revised and new figures called. The Board of Education and Architect De Remer will meet Wednesday morning and decide upon what part of the work can best be cheapened and how long it will take to revise the plans. Bids received for the general construction were as follows: Philbrick & Coldin, \$29,896; A. Stevens & Son, \$32,184; and Harvey A. Klyce, \$45,000.

OAKLAND, CAL.—School addition, 2 story, frame, \$13,849. Architect's name not given. Owners, City of Oakland, W. G. Thornally, 3027 East 16th street. Oakland, presented the lowest bid for the addition to the University School and will probably be awarded the contract. A complete list of these bids will be found under the heading of Oakland and Alameda County in this issue.

ALAMEDA, ALAMEDA CO., CAL.—School, 2 story and base, brick, steel and concrete, \$50,000. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. A complete list of the bids opened on October 3rd for the construction of the Lincoln School will be found under the heading of Oakland and Alameda County in this issue.

WATSONVILLE, SANTA CRUZ CO., CAL.—School, 1 story and base, frame or concrete, \$15,000. Architect, Ralph Wychoff, Watsonville. Owners, City of Watsonville. Will contain three class rooms and a kindergarten department. Figures are to be taken for both concrete and frame construction. Plans complete and figures being taken.

PALO ALTO, SANTA CLARA CO., CAL.—Women's buildings, 4, 1 or 2 story, concrete. Cost not stated. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Trustees of Leland Stanford, Jr., University. The architect has just been commissioned to prepare these plans and details have not been given out. Further mention will be made of the work.

HANFORD, KINGS CO., CAL.—School gymnasium, 1 story, frame, \$5,000. Architects, Glass, Butner & Bowser, Republican Bldg., Fresno. Owners, City of Hanford. Will cover an area of 74 by 100 feet. Plans complete and figures to be called for at once.

SAUSALITO, MARIN CO., CAL.—Retaining wall, reinforced concrete. Cost not stated. Architect, none. Owners, City of Sausalito. Bids will be opened on October 16th at 5 p. m. for constructing a concrete retaining wall in front of the High School building. Plans can be secured from E. E. Wood at the High School.

Contracts Awarded.

SAN FRANCISCO—School, 1 story, frame, \$4,420. Architect, Arthur G. Schulz, Phelan Bldg., S. F. Owners, City and County of San Francisco. Contractor, F. Warden. Contract price, \$4,420.

SAN FRANCISCO—Temporary schools, 20, 1 story, frame, \$16,000. Architect, Architectural Department, City Hall. Owners, City and County of San Francisco. Contractor, Fred Warden, 354 Sussex street, S. F. Contract price, \$16,000.

SEWERS, STREET WORK & WATER SYSTEMS

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be received up to October 16th at 8 p. m. for street work authorized under the following resolution: That 47th street, formerly Bay avenue, between the right-of-way of the Southern Pacific Company and Potrero avenue, be graded, curbed, and sidewalked with cement concrete, paved with a pavement consisting of a 5-inch cement concrete base and a ¾ inch. paint coat, consisting of asphalt, petrolastic cement and rock screenings; corrugated iron and cement concrete culvert with cement concrete portals and wing walls; a 12-inch corrugated iron pipe culvert, and an 18-inch corrugated iron pipe culvert with cement concrete catch basins; a cement concrete wall with galvanized iron pipe railing; 6-inch standard, vitrified, salt-glazed pipe sewers, lampholes of standard, vitrified, salt-glazed sewer pipe with cast iron rims and covers; manholes of brick and concrete with cast iron rims and covers and parkings with redwood headers, be constructed all as shown on the plans and specifications hereinafter referred to.

FAIRFIELD, SOLANO CO., CAL.—Road construction. Cost as follows. Engineer, County Surveyor, Fairfield. Owners, Solano County. Engineer, County Surveyor, Fairfield. S. S. Abrams, 130 Kearny street, S. F., presented the lowest figure for the improvement of about 6,400 feet of the Cordelia road. The work includes concrete curbs and small concrete bridges. His bid was \$14,873, considerably below the next bidder, and he has asked to withdraw. The request is being considered by the Board of Supervisors. Following is a complete list of the bids received: S. S. Abrams, S. F., \$14,873; P. H. Hoare, Oakland, \$19,372; Baker & Martin, S. F., \$16,840; Whitlock & Gorvill, S. F., \$15,450; W. A. Dontanville, Salinas, \$18,382.

VALLEJO, SOLANO CO., CAL.—Street paving. Cost as follows. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. The Worswick Co., of Fresno, were the only bidders submitting an estimate for the paving of Florida street between Sacramento and Santa Clara streets. Their bid was as follows: (1) Regrading 18,847 square feet, 2c per square foot. (2) Concrete base 4 inches thick, 20,087 square feet at 8.92c per square foot. (3) Asphaltic concrete surface 1½ inches thick, 20,087 square feet at 3.5c per square foot. (4) Corrugated iron culvert, 6x18 inches with concrete inverts, 124 linear feet at 70c per square foot. (5) Cast iron handholes for culverts, 16x16 inches, two at \$12 each. While no award was made, it is expected that the Worswick Co. will be awarded the contract.

RIO VISTA, SOLANO CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Rio Vista. Owners, City of Rio Vista. Bids will be opened on October 16th at 8 p. m. for the improvement of the south-westerly half of Montezuma street from 3rd street to 4th street.

DAILY CITY, SAN MATEO CO., CAL.—Street and sewer work. Cost not stated. Engineer, City Engineer, Daily City. Owners, Daily City. Bids will be

opened on October 23rd at 5 p. m. for street improvements authorized under the following resolutions: That Alpha, Beta, Como, Lake and Gambetta avenues be graded between the property lines and from the east line of Mission road to the east boundary line of Vista Grande Tract No. 2 and Vista Grande Tract No. 3; also Mission road be graded between the east curb line and the east property line thereof, and from a line 115.31 feet south of the south line of Gambetta avenue, produced, to a line 305.73 feet north from the north line of Alpha avenue, produced. Also that a 4-inch, vitrified, salt-glazed, ironstone pipe lateral sewers with Y's; cement concrete sidewalks and combined cement concrete gutters 14 inches wide, and armored concrete curbs be constructed; and an asphaltic concrete pavement, consisting of a 4-inch cement concrete base and 1½-inch asphaltic concrete surface be constructed in the roadway, etc.

DALY CITY, SAN MATEO CO., CAL.—Street and sewer work. Cost not stated. Engineer, City Engineer, Daly City. Owners, Daly City. Bids will be opened on October 23rd for street improvements authorized under the following resolutions: That the following portions of Brunswick, Manchester, Hanover, and Risel streets, Bellevue avenue, Frankfort, Henrietta, Guttentberg, Oliver, Whittier and Lowell streets, etc., be improved by grading, construct combined cement concrete gutters and armored concrete curbs and cement concrete sidewalks; an asphaltic concrete pavement, consisting of a cement concrete base 4 inches in thickness and an asphaltic concrete wearing surface 1½ inches in thickness be constructed from gutter line to gutter line; combined sanitary storm water sewers, together with all storm water laterals, brick catch basins and manholes and appurtenances, be constructed of vitrified, salt-glazed, sewer pipe and ditch, vitrified, salt-glazed, ironstone pipe lateral sewers with Y's.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. The City Council has instructed the City Engineer to prepare plans and specifications for a 6-inch sewer on Surfside avenue from Pendergast avenue to Delaware avenue, and on that street to Beach curve.

PORTLAND, ORE.—Sewer construction, \$275,000. Engineer, City Engineer, Portland. Owners, City of Portland. City Engineer Dater has completed plans and specifications for the Tanner Creek trunk sewer. The plans call for the reconstruction in a new course of all that part of the big pipe laid thirty years ago from a point on 17th street, 485 feet south of Taylor street, running in a northeasterly direction to the Willamette at a point near the intersection of Pettygrove and Front streets. The new plans call for construction entirely in street area. The big pipe will run along 11th street. The pipe at Taylor and 17th streets will be 6.6 feet wide by 8.5 feet high, and at the point where it discharges in the river it will be 6 feet wide and 12 feet in height. Estimates of cost call for \$2,326,905 for construction and \$13,688.45 for engineering, advertising and inspection, making a total of \$257,037.50. The plans and specifications call for either concrete or cement pipe.

crete or cement pipe.

STOCKTON, SAN JOAQUIN CO., CAL.—Road construction, \$9,000. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. At the last meeting of the San Joaquin County Supervisors, bids were opened for the improvement of the Brookside road from the Lower Sacramento road to the Sargent-Barnhart tract. This is to be improved with gravel and is to be 12 feet wide. Two bids were received and taken under advisement. Cy Moreing & Sons, Commercial and Savings Bank Bldg., Stockton, gave a bid of \$8,861.80, and A. B. Munson & Son, 1130 East Clay, Stockton, made an offer of \$9,041.74.

RED BLUFF, TEHAMA CO., CAL.—Road work. Cost not stated. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. No bids were received by the County Supervisors for repairing the Red Bluff-Harrison Gulch road, the work was ordered done under the Day Labor system in charge of Supervisor Schafer.

HANFORD, KINGS CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Hanford. Owners, Kings County. No bids were received by the Kings County Supervisors for the construction of 13½ miles of highway running north and east of Hanford and known as Highway No. 4, Divisions Nos. 1, 2 and 3. What action will be taken by the County Board is not known at this time, but it is probable that a new call for bids will be issued.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That 31st street, from the north line of B street to the north line of J street, be improved by constructing concrete curb; concrete gutter; grading the space between the property line and curb; constructing concrete sidewalk; 6 and 8 inch, vitrified, ironstone sewer pipe drains; reconstructing two concrete manholes; constructing eleven concrete manholes complete; placing twenty-seven cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between K and L Sts., from the east line of 14th street to the west line of 15th street, be improved by constructing one concrete catch basin; placing six linear feet of 8-inch vitrified, ironstone sewer pipe drain connecting catch basin to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 6 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co.

That the alley first north of 1st avenue, in Oak Grove, from the manhole in place in the Lower Stockton road to a point 103 feet west from the center line of East avenue, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; three concrete manholes, placing fifty-eight 6-

inch, vitrified, ironstone Y branches on 8-inch sewer, and doing all necessary excavating and backfilling of trenches. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

That the alley first north of Cypress avenue, from the manhole in place of Lower Stockton road to the intersection of the alley first north of First avenue, in Oak Grove, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with forty 6-inch Y branches; constructing two concrete manholes, complete with cast iron curbs and covers, and backfilling the trench. Awarded to W. J. Tobin.

That the alley between 1st and 2nd avenues and between Fair Oaks street and Lower Stockton road, in Curtis Oaks, be improved by constructing an 8-inch, vitrified, ironstone pipe sewer; two concrete manholes; placing 18 6-inch, vitrified Y branches, one flusher branch, complete, and doing necessary excavating and backfilling of trenches. Awarded to W. J. Tobin.

OAKLAND, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. The Federal Construction Co., 223 Sharon Bldg., S. F., has been awarded the contract by the City Council for the improvement of that portion of College avenue from the northwest line of Broadway to the southern boundary line of the city of Berkeley, be curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt; fourteen brick manholes, a brick catch basin, a vitrified pipe sewer, having an internal diameter of 21 inches and a vitrified pipe conduit, having an internal diameter of 14 inches.

REDWOOD CITY, SAN MATEO CO., CAL.—Culvert, corrugated iron and concrete. Cost not stated. Engineer, City Engineer, Redwood City. Owners, Redwood City. Bids will be opened on October 23rd for culverts authorized under the following resolutions: That 5 inch by 30 inch and 5 inch by 45 inch ten gauge corrugated iron arch culverts with concrete base and Y branch vents with concrete, base and Y branches, also 18-inch semi-circular 12-inch corrugated iron Y branches, etc., be constructed on Whipple avenue, El Camino Real, Rogers street, Hopkins avenue, Brewster avenue, East Brewster avenue, Broadway and Arguello street.

REDWOOD CITY, SAN MATEO CO., CAL.—Retaining wall, concrete, \$1,441.50. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. At the last meeting of the County Supervisors, one bid was received for the construction of the retaining walls and concrete bulkheads on the Redwood City to San Gregorio road. William Monk, Sharon Bldg., San Francisco, submitted a figure of \$1,441.50, which was considerably in excess of the estimate of the engineer. The bid was rejected.

FRESNO, FRESNO CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be received on October 16th for sewer construction authorized under the following resolution: That 4 and 6-inch sewer, Y branches, etc., be constructed in the alley in block 296, alley in block 314, etc. (The sewer pipe to be of the best quality vitrified, salt-glazed, ironstone pipe).

SAN RAFAEL, MARIN CO., CAL.—Street improvements, etc. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Bids will be opened on October 16th at 8 p. m. for the following street improvements: That that portion of Clark street between San Rafael avenue and Clorinda avenue be graded and paved with a rock macadam pavement, concrete curb and concrete gutter be constructed on both sides thereof. Also that three corrugated iron and concrete culverts, and two cast iron manholes, and two cast iron gutter gratings be constructed. For the filling and grading of the San Rafael and San Quentin toll road, from the easterly line of Irwin street to the easterly corporate limits. Excavating and cleaning out the Mahon Creek to a bottom width of 16 feet wide, slope of 1 m. 1. That West End avenue, East street, Jessup street, Harte street and West street, be graded and paved with a rock macadam pavement, corrugated iron culverts and catch basins.

Contracts Awarded.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, City Hall. Owners, City and County of San Francisco. Contracts for street improvements have been awarded as follows: The improvement of 18th street between Potrero avenue and Utah street by constructing granite curbs, and paving the roadway with a basalt block pavement with a gravel filler on a sand foundation with basalt block gutters. Awarded to Colman O'Toole, 697 Rhode Island street, S. F., for \$1,700.

The improvement on the east side of 16th avenue between Clement and California street by the construction of artificial stone sidewalks 9 feet wide in the middle of the sidewalk area where artificial stone sidewalks have not already been constructed at least 9 feet wide. Awarded to A. O. Field 1165 26th avenue, for \$187.36.

The improvement of Minna street between 10th and 11th streets by the construction of brick catch basins; a 12-inch, vitrified, salt-glazed, ironstone pipe sewer with 24 Y branches; by redressing and resetting existing granite curbs; and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation with a 1½-inch asphaltic binder course and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to D. O. Church Co., 68 Post street, for \$1,880.25.

REDDING, SHASTA CO., CAL.—Road work, \$4,800. Engineer, County Surveyor, Redding. Owners, Shasta County. Contractor, Jesse Sutton, Anderson. Contract price, \$4,800.

BAKERSFIELD, KERN CO., CAL.—Road construction, \$25,288. Engineer, County Surveyor, Bakersfield. Owners, Kern County, George S. Benson & Sons, 531 Stimson Bldg., L. A., have been awarded the contract for the construction of division 4, section 1, Rio Bravo-Wasco road by the Board of Supervisors. This firm's bid was for \$25,288, and was recommended by the Kern County Highway Commission. The other bidders for this work were as follows: W. C. Price & Co., \$29,538; Brashear-Burns Co., \$27,452.20; Highton & Cook, \$29,194; Mesmer & Rice, \$32,592.

SALINAS, MONTEREY CO., CAL.—Street improvement, \$4,988.27. Engi-

neer, City Engineer, Salinas. Owners, City of Salinas. Contractor, Dan McCormick, Salinas. Contract price, \$4,988.27.

FAIRFIELD, SOLANO CO., CAL.—Highway improvement, \$14,873. Engineer, County Surveyor, Fairfield. Owners, Solano County. Contractor, S. S. Abrams, 130 Kearny street, S. F. Contract price, \$14,873.

SAN RAFAEL, MARIN CO., CAL.—Sewer construction, \$9,370.86. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. At the last meeting of the City Council, bids for installing storm sewers on H. D. and Bay View streets were opened. The contract was awarded to Baker & Martin for \$9,370.86. The following were the bidders: H. M. Dam, \$9,528.50; A. Ghilotti for part of the work, \$8,795; Carl Erhart, \$15,000; D. C. Church Co., \$20,000; F. S. Strander, \$13,000; E. Mathiesen, \$9,922.50; Wm. H. Hoge, \$11,999; McRay & Lazay, \$12,500.

RICHMOND, CONTRA COSTA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. The Raven Company, 909 Macdonald avenue, Richmond, being the lowest bidder, the City Council awarded them the contract for the following work: That the alley between Bishop avenue and Crest avenue, from the center line of the alley running from Front avenue to Crest avenue northeast a distance of 280 feet, a portion of Bishop avenue and Front street, be improved by constructing 8 and 12 and 6-inch, vitrified, salt-glazed sewer pipe, manholes of brick and concrete, lampholes of vitrified; salt-glazed sewer pipe, Y branches, vitrified, salt-glazed sewer pipe and risers of vitrified, salt-glazed sewer pipe with bends and tees with cast iron vents and covers, be constructed on said sewers.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works: The improvement of Noe street between Laidley and 30th streets by the construction of concrete curbs and of a vitrified brick pavement on the roadway thereof. Awarded to T. Gallagher. Cost, \$605.40.

The improvement of Bonview street between Eugenia and Cortland avenues by the construction of concrete curbs, one brick manhole; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to D. O. Church Co., 68 Post street. Cost, \$2,740.36.

The improvement of Oakdale avenue between San Bruno avenue and Selby street by the construction of granite curbs; artificial stone sidewalks on the angular corners of the intervening street crossings and intersections, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy, 404 First National Bank Bldg. Cost, \$25,334.10.

The improvement of Athens street between Persia and Russia avenues, by the construction of granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy, First National Bank Bldg. Cost, \$1,085.

The improvement of De Haro street between 19th and 20th streets, by grading to official line and grade, by the construction of a 12-inch, vitrified salt-glazed ironstone pipe sewer with 29 Y branches and two brick manholes with cast iron frames and covers and galvanized wrought iron steps along the center line of De Haro street. Awarded to J. P. Holland, 350 3rd street. Cost, \$8,872.50.

STORES AND OFFICES

SAN FRANCISCO—Stores, 1 story and base. Class C construction, \$10,000. Architect, H. C. Skidmore, Hearst Bldg., S. F. Owner's name not given. Location, Larkin street. Will contain several small stores. Plans nearly complete and figures to be called for shortly.

SAN FRANCISCO—Stores, 1 story and base, brick, \$10,000. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. Location southeast 9th avenue and Cabrillo, covering an area of 25 by 100 feet. Will contain two stores and a large market. Plans complete and figures being taken.

OAKLAND, CAL.—Stores and offices, 2 story and base, frame, \$16,000. Architect, Julia Morgan, Merchants' Exchange Bldg., S. F. Owner, Mrs. E. L. Turner. Location, northwest 10th and Piedmont avenue. Will contain stores on the ground floor and a number of offices above. Plans complete.

SACRAMENTO, CAL.—Store alteration, 3 story. Class C construction, \$5,000. Architect, Albert Lapachet, 110 Sutter street, S. F. Owner, Louis Schindler, leased to the China Toggery. Work will consist of new store fronts, plumbing, painting and interior trim. Plans being prepared.

ESCALON, SAN JOAQUIN CO., CAL.—Stores, 1 story and base, brick, \$6,600. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Mr. Irwin. Will contain three small stores. Plans being prepared.

SAN JOSE, SANTA CLARA CO., CAL.—Stores, 2 story and base. Class C construction, \$15,000. Architect, William Binder, Rea Bldg., San Jose. Owner, Hiram Thompson. Location, South First street. Designed for a cafeteria on the first floor and offices above. Plans complete and figures to be called for shortly.

WATSONVILLE, SANTA CRUZ CO., CAL.—Store alterations, brick. Cost not stated. Architect, Ralph Wychoff Watsonville. Owners, Fred & Sanborn. Work will consist of new store fronts (tile wainscot and base and terra cotta tile roof). Plans being prepared.

VISALIA, TULARE CO., CAL.—Stores, 1 story and base, brick, \$10,000. Architect, none. Owner, Robert Johnson Visalia. Location, West Main street, covering an area of 66 by 125 feet. Plans being prepared.

DOS PALOS, FRESNO CO., CAL.—Stores, 1 story and base, brick. Cost not stated. Architect, Ernest Kump Rowell Bldg., Fresno. Owner's name not given. Location, Main street, covering an area of 50 by 75 feet. Will contain two stores. Plans being prepared.

THEATRES.

SAN FRANCISCO—Theatre, 2 story and base, Class A construction, \$250,000, Architect, Alfred Henry Jacobs, 110 Sutter street, S. F. Owners, Market Street Realty Co., leased to The California Theatre. Location, southeast Market and Fourth streets, covering an area of 100 by 170 feet. Will have a seating capacity of 3,000 people. Steel contract awarded, and bids for excavating being taken. Other parts of the work to be segregated.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock, noon, Monday, October 30, 1916**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work and for the complete construction and erection of "Cottage No. 16," Southern California State Hospital, Patton, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Cottage No. 16,' Southern California State Hospital, Patton, California."

(SIGNED) W. F. McCLURE, State Engineer. (*)

PROPOSALS FOR CANAL SERVICES.

PANAMA CIRCULAR 1085 — Proposals for Equipment for Hydro-Electric Station, including Penstocks, Water Turbine-Driven Exciter, Power Transformers, Induction Motor-Driven Pumps and Traversing Crane.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **04.30 a. m., October 10, 1916**, which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1085) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

INVITATION FOR PROPOSALS.

TREASURY Department, Supervising Architect's Office, Washington, D. C., October 2, 1916.—Sealed proposals will be opened in this office at 3 p. m., **November 10, 1916**, for the construction complete of the United States Post Office at Wenatchee, Washington. Drawings and specifications may be obtained from the Custodian of site at Wenatchee, Washington, or at this office, in the discretion of the Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect.

PROPOSALS FOR CRANE.

CRANE—Sealed proposals indorsed "Proposals for Locomotive Crane" will be received at the bureau of yards and

docks, Navy Department, Washington, D. C., until **11 o'clock a. m., November 11, 1916**, and then and there publicly opened, for a locomotive jib crane of 50 gross tons capacity at the naval station, Pearl Harbor, T. H. Plan and specification can be obtained on application to the bureau or to the commandant of the naval station named. F. R. HARRIS, chief of bureau.

PROPOSALS FOR HYDROELECTRIC MACHINERY.

HYDROELECTRIC MACHINERY AND EQUIPMENT—Department of the Interior, Washington, D. C.—Sealed proposals will be received in the office of the supervisor of Yosemite National Park until 2 p. m., **Thursday, October 12, 1916**, and then opened, for the furnishing or installation or both of hydroelectric equipment for the park, consisting of water wheel, generator, transformers and switchboard, in accordance with plans and specifications, copies of which can be obtained from the supervisor of the park or from Gal- loway & Markwart, 732 First National Bank Bldg., San Francisco, Cal. Proposals will be received for subdivisions of the work. The right is reserved to reject any and all bids, to waive technical defects and to accept one part and reject the other, as the interest of the government may require. Proposals should be securely enveloped, marked "Proposals for Hydroelectric Equipment" and addressed to W. B. Lewis, supervisor, Yosemite National Park, Yosemite, Cal. **Bo SWEENEY**, assistant secretary.

PROPOSALS FOR CRANE.

CRANE—Sealed proposals indorsed "Proposals for Floating Crane" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m., November 11, 1916**, and then and there publicly opened, for a 250-ton floating revolving crane for the navy yard, Mare Island, Cal. Specifications can be obtained on application to the bureau or to the commandant of the navy yard named. F. R. HARRIS, chief of bureau.

PROPOSALS FOR RECLAMATION WORK.

RECLAMATION WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, St. Ignatius, Mont., until **2 o'clock p. m., October 10, 1916**, for the construction of canals and structures on the Flathead project, Montana, involving about 165,000 cubic yards of excavation, 425 cubic yards of reinforced concrete, 1,100 square yards of paving, laying 1,100 linear feet of vitrified pipe, erecting 64,000 feet, b. m. of lumber, erecting 2,300 linear feet of steel flume and placing 36,000 pounds of structural and reinforcing steel. The work is located near St. Ignatius and Dixon, Mont. For

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or St. Ignatius, Mont. A. P. DAVIS, chief engineer.

FAST ELECTRIC TRAINS TO Sacramento

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland, Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico, Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 3333
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2154 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 9731

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry,
Phone Sutter 2339.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

SEA WALL CONSTRUCTION—Cost not stated. San Francisco. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Plans have been approved by the War Department for the construction of a concrete sea wall at Fort Point in the Presidio of San Francisco. Plans call for about 260 feet of solid granite wall. Bids will be called for shortly.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, W. H. Keenan, Fulton and Masonic avenue, S. F. Location, west Alameda north Fulton. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, James Welsh, 543 15th avenue, S. F. Location, west 18th avenue north Balboa. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FLATS—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, Thomas Hamill, 5535 Geary street, S. F. Location, west 25th avenue south Anza. Each building will cover an area of 25 by 45 feet and contain two flats of five rooms each. Basement garages. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$15,500. San Francisco. Architect, Bernard J. Joseph, Call-Post Bldg., S. F. Owner, Harry P. Franklin. Location, Pacific avenue east Buchanan, covering an area of 32 by 90 feet. Will contain two large residential flats. Plans complete and figures being taken.

LAYING HIGH PRESSURE MAINS—\$3,750. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. E. M. Whitlock submitted the lowest figures for laying high pressure mains and will probably be awarded the contract. A complete list of the bids received will be found under the heading of San Francisco in this issue.

APARTMENT HOUSE—3 story and base, frame, Cost not stated. San Francisco. Architect, W. J. Keenan, 2 Alameda Terrace, S. F. Location, Masonic and Fulton. Will contain sixteen apartments of three and four rooms and basement garage. Stores on the Masonic street frontage. Plans being prepared.

COPPER WIRE—Cost not stated. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Bids will be opened on October 18th for furnishing copper wire for the Hetch Hetchy project.

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works: The improvement of Noe street between Laidley and 30th

streets by the construction of concrete curbs and of a vitrified brick pavement on the roadway thereof. Awarded to T. Gallagher. Cost, \$605.40.

The improvement of Bonview street between Eugenia and Cortland avenues by the construction of concrete curbs, one brick manhole; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to D. O. Church Co., 68 Post street. Cost, \$2,740.36.

The improvement of Oakdale avenue between San Bruno avenue and Selby street by the construction of granite curbs; artificial stone sidewalks on the angular corners of the intervening street crossings and intersections and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy, 404 First National Bank Bldg. Cost, \$25,331.10.

The improvement of Athens street between Peoria and Russia avenues by the construction of granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy First National Bank Bldg. Cost, \$1,085.

The improvement of De Haro street between 19th and 20th streets by grading to official line and grade by the construction of a 12-inch, vitrified, salt-glazed, ironstone pipe sewer with 29 Y branches and two brick manholes with cast iron frames and covers and galvanized wrought iron steps along the center line of De Haro street. Awarded to J. P. Holland, 550 Third St. Cost, \$8,872.50.

RESIDENCES—2, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, F. Nelson, 2701 Lincoln Way, S. F. Location, west Hillway south Carl and north Parnassus. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

PACKING HOUSE—3 story, mill construction, \$45,000. San Francisco. Architect, Hermann Barth, 12 Geary St., S. F. Owners, Frye & Co. Location, southeast Front and Pacific streets, covering a large ground area. Contract for excavating awarded. Plans complete for balance of the work and figures being taken. Bids close on October 16th.

CLUB HOUSE—1 and 2 story, frame and plaster, \$50,000. San Francisco. Architect, George William Kelham, Sharon Bldg., S. F. Owners, San Francisco Golf and County Club. Location, Great Highway. Will contain banquet room, social rooms, kitchen and sleeping apartments. Plans nearly complete and figures to be taken in January when work on the links is completed.

HOTEL ALTERATIONS—Steel and concrete, \$15,000. San Francisco. Architects, Wright & Rushforth, 354 Pine street, S. F. Owners, Otis Estate. Location 1217 to 1245 Market street. This work will consist of constructing a sun porch on the front of the present building, extending two elevators, construct-

ing additional fireproof stairs and installing three emergency exit doors. Plans complete and contract to be awarded at once.

STORES—1 story and base, brick \$10,000. San Francisco. Architects Paich & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. Location, southeast 9th avenue and Cabrillo, covering an area of 25 by 100 feet. Will contain two stores and a large market. Plans complete and figures being taken.

STORES—1 story and base. Class C construction, \$10,000. San Francisco. Architect, H. C. Skidmore, Hearst Bldg., S. F. Owner's name not given. Location, Larkin street. Will contain several small stores. Plans nearly complete and figures to be called for shortly.

TEMPORARY SCHOOLS—20 1 story, frame, \$16,000. San Francisco. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Contractor Fred Warden, 354 Sussex street, S. F. Contract price, \$16,000.

THEATRE—2 story and base. Class A construction, \$250,000. San Francisco. Architect, Alfred Henry Jacobs 110 Sutter street S. F. Owners, Market Street Realty Co., leased to The California Theatre. Location, southeast Market and Fourth streets, covering an area of 100 by 170 feet. Will have a seating capacity of 3,000 people. Steel contract awarded, and bids for excavating being taken. Other parts of the work to be segregated.

Contracts Awarded

STREET IMPROVEMENTS—Cost as follows: San Francisco. Engineer, City Engineer, City Hall. Owners, City and County of San Francisco. Contracts for street improvements have been awarded as follows: The improvement of 18th street between Potrero avenue and Utah street by constructing granite curbs, and paving the roadway with a basalt block pavement with a gravel filler on a sand foundation, with basalt block gutters. Awarded to Colman O'Toole, 67 Rhode Island, street, S. F.

The improvement on the east side of 18th street between Clement and California street by the construction of artificial stone sidewalks 9 feet wide in the middle of the sidewalk area, where artificial stone sidewalks have not already been constructed at least 9 feet wide. Awarded to A. O. Field, 1465 20th avenue, for \$187.33.

The improvement of Minna street between 10th and 11th streets by the construction of brick catch basins; a 12-inch, vitrified, salt-glazed, ironstone pipe sewer with 24 Y branches; by re-dressing and resetting existing granite curbs; and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation with a 1 1/2-inch asphaltic binder course and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to D. O. Church Co., 68 Post street, S. F., for \$1,880.25.

SEA WALL CONSTRUCTION—\$66,150. San Francisco. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Own-

ers, State of California. Contractors, Blake Bros., Oakland Bank of Savings Bldg., Oakland. Contract price, \$66,150.

FACTORY GROUP—1 story, frame and corrugated iron. Cost not stated. South San Francisco, San Mateo Co., Cal. Architect, none. Owners, E. H. Edwards Co. Contractor, George Wagner, 251 Kearny street, S. F. Contract price not stated. Will cover an area of 60 by 200 feet. This is the first of a group of five buildings which will form the new factory. The other buildings will be similar in construction, and will be erected following the completion of the first unit.

SCHOOL—1 story, frame, \$4,420. San Francisco. Architect, Arthur G. Schulz, Phelan Bldg., S. F. Owners, City and County of San Francisco. Contractor, F. Warden. Contract price, \$4,120.

City Bids Opened.

Board of Public Works Received Figures for High Pressure Mains and Awards School Contract.

Bids were opened at today's meeting of the San Francisco Board of Public Works for hauling and laying high pressure mains for the auxiliary water supply system. At the same meeting contracts were awarded to F. Warden for the construction of the Parkside School at \$4,420 and to J. W. Burtchall for furnishing lighting fixtures for the Juvenile Detention Home at \$1,295.

October 11th was set as the date for opening bids for furnishing disinfectors and sterilizers for the Central Emergency Hospital.

Following is a list of the bids received for the high pressure water system:

High Pressure Water Mains.

Karl Ehrhart	\$ 8,977
M. Murphy	8,900
E. M. Whitlock	8,750
Contra Costa Constr. Co.	10,400
H. P. Broderick	12,785
A. W. Gorrill	12,445
T. S. Hutton	15,000

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2889	Allen	Allen	5000
2890	Allen	Allen	4500
2891	Allen	Allen	4785
2892	Allen	Allen	4500
2893	Malfanti	Allen	2500
2894	Grosjean	J. Grosjean	1000
2895	Andrews	Andrews	1000
2896	Fehnmann	Fehnmann	2000
2897	Magee	Rasqualetti	2000
2898	O'Brien	Knittle	1737
2899	Assalino	Parry	1200
2900	Conserv Bldg Co.	Owner	2000
2901	Same	Same	2000
2902	Same	Same	2000
2903	Same	Same	2000
2904	Toy	Ralston	450
2905	Somodnyoff	Malanaroff	800
2906	Cor	Chitts	400
2907	Kaiser	Kaiser	500
2908	Bruguere	Lamburth	500
2909	Armshy	Titt	500
2910	Pomeroy	Duarte	500
2911	3rd St. Imp.	Owner	500
2912	Lorentzen	Taylor	500
2913	Lipman	Pegel	500
2914	Marsh	Marsh	400
2915	Walker	Walker	400
2916	Grannis	Grannis	9000
2917	Buschke	Buschke	1750
2918	Gross	Arms	2500
2919	Parrott	Dinwiddie	20000
2920	Grade	Lindsay	400
2921	Curtaz	Curtaz	1000
2922	Schnee	Schnee	400
2923	Bouquet	Pegel	400

2924	Mardis	McIntosh	400
2925	Berges	Riboni	400
2926	Riley	Brunfield	400
2927	Elgin	Brunfield	400
2928	Butler	Healing	400
2929	Peterson	Peterson	4500
2930	Gray	Denke	7000
2931	Billings	Sorensen	8573
2932	Nelson	Nelson	3950
2933	Nelson	Nelson	3950
2934	Nelson	Coburn	765
2935	Bacigalupi	De Favero	1200
2936	Huber	Guisti	450
2937	Brown	Brown	2950
2938	Keenan	Keenan	3000
2939	Donovan	Lorenzen	800
2940	Keenan	Keenan	2500
2941	Keenan	Keenan	12000
2942	Gerard	Brady	4830
2943	Welsh	Welsh	3000
2944	Hamill	Hamill	3000
2945	Hamill	Hamill	3000
2946	Hamill	Hamill	3000
2947	Rapp	Emanuel	400
2948	Peterson	Peterson	500
2949	Rower	Rower	525
2950	Constant	Constant	1400
2951	Schonberg	Hamerton	5000
2952	White	Secor	11238
2953	Joy	Braas	5281
2954	Albert	Langsley	400
2955	Birmingham	Ayras	400
2956	Shumate	Holm	400
2957	Hellwig	Ross	650
2958	Kanze	Denke	400
2959	Nelson	Nelson	2500
2960	Welsh	Nelson	2500
2961	Hooper	Scott	3145
2962	Nilsson	Nilsson	2400
2963	Same	Same	2000
2964	Same	Same	2000
2965	Jacobi	Elvin	1562
2966	Kingwell	McKay	3000

FRAME RESIDENCE

(2889) E TWENTY-EIGHTH AVE 105 N California. Two-story and basement frame residence. Owner.....Allen & Co., 125 Sutter, San Francisco. Architect...Architectural Dept. Allen & Co., 125 Sutter, S. F. Contractor..Allen & Co., 25th Ave and Lake, San Francisco. COST, \$5000

FRAME RESIDENCE

(2890) E TWENTY-EIGHTH AVE 80 N California. Two-story and basement frame residence. Owner.....Allen & Co., 125 Sutter, San Francisco. Architect...Architectural Dept. Allen & Co., 125 Sutter, S. F. Contractor..Allen & Co., 25th Ave and Lake, San Francisco. COST, \$4500

FRAME RESIDENCE

(2891) E TWENTY-EIGHTH AVE 55 N California. Two-story and basement frame residence. Owner.....Allen & Co., 125 Sutter, San Francisco. Architect...Architectural Dept. Allen & Co., 125 Sutter, S. F. Contractor..Allen & Co., 25th Ave and Lake, San Francisco. COST, \$1785

FRAME RESIDENCE

(2892) E TWENTY-EIGHTH AVE 30 N California. Two-story and basement frame residence. Owner.....Allen & Co., 125 Sutter, San Francisco. Architect...Architectural Dept. Allen & Co., 125 Sutter, S. F. Contractor..Allen & Co., 25th Ave and Lake, San Francisco. COST, \$1500

ALTERATIONS

(2893) NOS. 3177-79-87-89 SIXTEENTH Alter front. Owner.....J. Malfanti, 372 Ellis, S. F. Architect...G. E. Gottschalk, Phelan Bldg., San Francisco.

Contractor..Fink & Schindler Co., 228 13th, San Francisco. COST, \$950

ADDITION

(2894) N TWENTY-SECOND 100 W Harrison. Add office and storage room. Owner.....Grosjean Rice & Milling Co., Premises. Architect...None. Day's work. COST, \$1000

ALTERATIONS

(2895) NO. 1083 MARKET. Alter shooting gallery. Owner.....Jas. Andrews, 512 Pacific, San Francisco. Architect...None. Day's work. COST, \$1000

FRAME DWELLING

(2896) N CORDOVA 25 W Athens One and one-half-story and basement frame dwelling. Owner.....Benjamin Fehnmann, 224 Brighton Ave., S. F. Architect...None. Day's work. COST, \$200

STREET IMPROVEMENTS

(2897) PTN OF LYON AND BROADWAY. Excavating, grading, concrete, sidewalks, plumbing, sewer work, street work, electric work, etc., for improvements of street. Owner.....William A. Magee, 5 Montgomery, San Francisco. Architect...Louis M. Upton, 111 Ellis, San Francisco. Contractor..J. Pasqualetti, Humboldt Bank Bldg., S. F. Filed Sept. 30, '16. Dated Sept. 28, '16. 50% completed\$500 Completed and accepted.....600 Balance, \$1500 in installments of \$150 per month..... TOTAL COST, \$2600 Bond, none. Limit, on or before Dec. 5, 1916. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM

(2898) SE BROADWAY & GOUGH S 102-6XE 22-11. All work for domestic hot water heating and hot water radiation complete for two-story, attic and basement frame residence. Owner.....J. M. O'Brien, 1st National Bank Bldg., Berkeley. Architect...Will H. Toepke, 46 Kearny, San Francisco. Contractor..Knittle-Cashel Co., Inc., 1820 Ellis, San Francisco. Filed Sept. 30, '16. Dated Sept. 28, '16. Pipes roughed in and tested.....\$600 Completed and accepted.....687 Usual 35 days.....450 TOTAL COST, \$1737 Bond, \$867.75. Surety, National Surety Co. Limit, fast as required. Forfeit, \$10. Plans and specifications filed.

ALTERATIONS

(2899) E DELTA 78½ S Visitation Ave, being Lots 11 and 12 Blk 15, Sunnyvale Homestead Association. All work for alterations, moving and additions to residence. Owner.....Gaetano and Amelia Assalino, 117 Vassalboro, S. F. Architect...None. Contractor..T. H. Parry, 222 Raymond Ave., San Francisco. Filed Sept. 30, '16. Dated Sept. 19, '16. Old building moved and foundation under same, also new part and frame of new up.....\$100 Enclosed and brown coated.....300

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not **FOUR WHEEL DRIVE.**

On the F-W-D Truck every wheel is a **Driving Wheel.** The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. So the **F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

Completed and accepted..... 250
Usual 35 days..... 250
TOTAL COST, \$1200
Bond, \$600. Surety, W. D. Stephenson.
Limit, 50 days. Forfeit, none. Plans
and specifications filed.

FRAME RESIDENCE

(2900) E LEVANT 340 S States. Two-
story and basement frame residence.
Owner.....Conservative Home Bldg.,
Co., 1125 Fillmore, S. F.
Architect...E. P. Antonovich and H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(2901) E LEVANT 395 S States. Two-
story and basement frame residence.
Owner.....Conservative Home Bldg.,
Co., 1125 Fillmore, S. F.
Architect...E. P. Antonovich and H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(2902) E LEVANT 364 S States. Two-
story and basement frame residence.
Owner.....Conservative Home Bldg.,
Co., 1125 Fillmore, S. F.
Architect...E. P. Antonovich and H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(2903) E LEVANT 302 S States. Two-
story and basement frame residence.
Owner.....Conservative Home Bldg.,
Co., 1125 Fillmore, S. F.
Architect...E. P. Antonovich and H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work. COST, \$2000

ALTERATIONS

(2904) NO. 53 PALM AVE. Cement
plaster exterior.
Owner.....Wm. O. Toy.
Architect...None.
Contractor...F. F. Ralston, 132 Common-
wealth Ave., S. F.
COST, \$450

FRAME BAKERY

(2905) E RHODE ISLAND 150 S 22nd.
One-story frame bakery.
Owner.....Matteo Somodyroff, 959
Kansas, San Francisco.
Architect...None.
Contractor...Paul Malanoff, 737 Wis-
consin, San Francisco.
COST, \$800

(2906) S LOBOS 325 W Capital. Alter
and add to dwelling.
Owner.....H. Cox, 241 Lobos, S. F.
Architect...None.
Contractor...L. C. Cutts, 20 De Wolf,
San Francisco.
COST, \$400

ALTERATIONS

(2907) NO. 326 KIRKHAM. Move and
alter dwelling.
Owner.....W. F. Kaiser, 455 6th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(2908) NO. 333 CALIFORNIA. Under-
pin.
Owner.....The Brugulere Co., 133
Sutter, San Francisco.
Architect...None.

Contractor...C. E. Lamburth, 110 Jessie,
San Francisco.

COST, \$500

ALTERATIONS

(2909) SW CALIFORNIA & DAVIS.
Tile or metal studding, lath and
plaster partitions.
Owner.....J. K. Armsby, 627 Howard,
San Francisco.
Architect...Ward & Blohme, 1210
Alaska Commercial Bldg.,
San Francisco.
Contractor...Fred Titt, 122 10th, S. F.
COST, \$800

ALTERATIONS

(2910) NO. 185 BELVEDERE. Alter
2nd floor for apartments.
Owner.....Edw. Pomeroy, 2806 Jack-
son, San Francisco.
Architect...August G. Headman, 747
New Call Bldg., S. F.
Contractor...J. A. Duarte, 112 Wolfe,
San Francisco.
COST, \$500

ALTERATIONS

(2911) NE CALIFORNIA AND HYDE.
Alter for hotel.
Owner.....Third St. Improvement Co.,
1201 Nevada Bank Bldg.,
San Francisco.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(2912) SE JUNIPERO SERRA AND
OCEAN Ave. General alterations for
club.
Owner.....Harry Lorentzen, 285 Fax-
on Ave., San Francisco.
Architect...H. C. Taylor.
Contractor...H. Taylor, 252 Faxon Ave.,
San Francisco.
COST, \$500

ALTERATIONS

(2913) NO 107 SCOTT. Alter dwelling.
Owner.....L. Lipman, Premises.
Architect...None.
Contractor...Frank Pegel, 366 10th Ave.,
San Francisco.
COST, \$500

ALTERATIONS

(2914) NO. 4463 TWENTY-FIFTH.
Alter and add to dwelling.
Owner.....Frank E. Marsh, Premises.
Architect...Louis McAbee.
Contractor...A. T. Marsh, 4463 25th, S. F.
COST \$400

ALTERATIONS

(2915) NO. 104 EAKER. Brick and
other exterior work for dwelling.
Owner.....Geo. Walker, 816 Central
Ave., San Francisco.
Architect...None.
Day's work. COST, \$100

FRAME FLATS

(2916) SE STEINER & JACKSON.
Three-story and basement frame (3)
flats.
Owner.....Mrs. Sophie Grannis, 2450
Steiner, San Francisco.
Architect...None.
Contractor...Fred R. Grannis, 2450
Steiner, San Francisco.
COST, \$9000

FRAME DWELLING

(2917) E PARIS 275 N Russia. One-
story and basement frame dwelling.

Owner.....Mrs. Ruth Buschke, 205
Bonview, San Francisco.
Architect...None.
Contractor...A. Buschke, 205 Bonview,
San Francisco.
COST, \$1750

FRAME STORE

(2918) W CASTRO 223 N 19th. One-
story frame store.
Owner.....C. F. Gross, 12th Floor
Federal Bldg., Oakland.
Architect...Richardson & Burrell, Al-
bany Blk., Oakland.
Contractor...Chas. Armstrong, 952 28th,
Oakland.
COST, \$2800

ADDITION

(2919) S MARKET 275 E Fifth. Add
one-story on top of 2d and 3d story
portions of present department store.
Work to consist of steel, concrete,
brick and terra cotta block parti-
tions and walls, ornamental iron
work, roofing, sheet metal, heating,
plumbing, electric work, carpenter
and mill work, marble, tiling, glaz-
ing, painting, elevators, sprinkler
system, etc.
Owner.....The Parrott Estate Co, 502
California, San Francisco.
Architect...Morris M. Bruce, 1281
Flood Bldg., S. F.
Contractor...Dinwiddie Constr. Co.,
Crocker Bldg., S. F.
COST, \$200,000

FRAME GARAGE

(2920) SE CLIPPER AND NOE. One-
story frame garage.
Owner.....Louis Grade, Premises.
Architect...None.
Contractor...Chas. M. Lindsay, 275 Clip-
per, San Francisco.
COST, \$400

CONCRETE BULKHEAD

(2921) SE GOLDEN GATE AVE AND
Leavenworth. Concrete bulkhead.
Owner.....Oscar H. Curtaz, 1420 Mar-
ket, San Francisco.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS

(2922) NO. 1311-11½ DIVISADERO.
Alter dwellings.
Owner.....Gustave Schnee, 80 Silver
Ave., San Francisco.
Architect...None.
Day's work. COST, \$400

CEMENT FLOOR

(2923) NO. 32 CLEMENT. Cement
floor.
Owner.....Jos. Bouquet, 109 Jordan
Ave., San Francisco.
Architect...None.
Contractor...Frank Pegel, 366 10th Ave.,
San Francisco.
COST, \$400

ALTERATIONS

(2924)—SE SACRAMENTO & STOCK-
ton. Alter windows and new floor.
Owner.....B. A. Mardis, 126 Post, S. F.
Architect...T. F. Dunn, Monadnock
Bldg., San Francisco.
Contractor...Wm. McIntosh, 975 Clay-
ton, San Francisco.
COST, \$400

FRAME GARAGE

(2925) NE PINE AND WEBSTER. One-
story frame garage.
Owner.....P. B. Berges, 900 Webster,
San Francisco.
Architect...None.

Contractor..Henry Riboni, 221 Dolores,
San Francisco.

COST, \$400

ELECTRIC SIGN

(2926) W FILLMORE 200 N Sutter.

Electric sign.

Owner.....Reinert & Riley, Premises.

Architect...None.

Contractor..Brumfield Elec. Sign, 18

7th, San Francisco.

COST, \$400

ELECTRIC SIGN

(2927) NO. 191 ELLIS. Electric sign.

Owner.....Chas. Elgin, Premises.

Architect...None.

Contractor..Brumfield Elec. Sign, 18

7th, San Francisco.

COST, \$400

ADDITION

(2928) NO. 3931 CLAY. Add porch, etc.

Owner.....Geo. Butler, Premises.

Architect...None.

Contractor..Geo. Healing, 110 Jessie,

San Francisco.

COST, \$400

FRAME FLATS

(2930) E TWELFTH AVE 300 N Ful-

ton. Two-story and basement frame

(2) flats.

Owner.....Gustave Peterson, 683 9th

Ave., San Francisco.

Architect...None.

Day's work. COST, \$4800

FRAME FLATS

(2936) N PARNASSUS AVE 30 E Wil-

lard E 25xN 100. All work for two-

story and basement frame flats.

Owner.....Annie Gray.

Architect...E. H. Denke, 1317 Hyde,

San Francisco.

Contractor..F. G. Denke, 1317 Hyde,

San Francisco.

Filed Oct. 3, '16. Dated Oct. 3, '16.

2nd floor joists in position.....\$1312.50

Enclosed and roof on.....1312.50

Plastering completed.....1312.50

Completed.....1312.50

Usual 35 days.....1750.00

TOTAL COST, \$7000.00

Bond, \$3500. Sureties, E. H. and Ella

H. Denke. Limit, 90 days. Forfeit,

\$2.50. Plans and specifications filed.

ALTERATIONS

(2931) NO. 189 TWENTY-FOURTH

Ave. Alter residence.

Owner.....George Billings.

Architect...W. H. Ratcliff Jr., First

National Bank Bldg., Ber-

keley.

Contractor..Walter Sorensen, 3219

Ellis, Berkeley.

Filed Oct. 3, '16. Dated Oct. 2, '16.

New frame up and roof re-

shingled.....\$2143.25

Finish coat plaster on interior

and 2nd coat plaster on ex-

terior, sash in and old trim re-

moved.....2143.25

Completed and accepted.....2143.25

Usual 35 days.....2143.25

TOTAL COST, \$5573.00

Bond, \$4286.50. Surety, Aetna Accident

& Liability Co. Limit, 65 days. For-

feit, none. Plans and specifications

filed.

FRAME RESIDENCE

(2932) E EIGHTEENTH AVE 75 N

Balboa. Two-story and basement

frame residence.

Owner.....Nelson Bros., 493 7th Ave.,

San Francisco.

Architect...None.

Contractor..Nelson Bros., 493 7th Ave.,

San Francisco.

COST, \$3950

FRAME RESIDENCE

(2933) E EIGHTEENTH AVE 50 N

Balboa. Two-story and basement

frame residence.

Owner.....Nelson Bros., 493 7th Ave.,

San Francisco.

Architect...None.

Contractor..Nelson Bros., 493 7th Ave.,

San Francisco.

COST, \$3950

REPAIRS

(2934) NO. 2594 SUTTER. Repair fire

damage.

Owner.....Mrs. Davis, Premises.

Architect...None.

Contractor..Chas. Coburn, 4030 24th,

San Francisco.

COST, \$705

FRAME SHOP

(2935) W POWELL 107-6 S Union. One

story frame shop.

Owner.....Teresa Bacigalupi, 1269 1st

Ave., San Francisco.

Architect...None.

Contractor..Del Favero & Pordon, 1839

COST, \$1300

EXCAVATION

(2936) SW TURK AND LARKIN. Ex-

cavate for tunnel.

Owner.....J. Huber, Premises.

Architect...None.

Contractor..S. A. Guisti, 617 Sansome,

San Francisco.

COST, \$450

FRAME RESIDENCE

(2936) E FIFTEENTH AVE 250 N Ful-

ton. Two-story and basement frame

residence.

Owner.....Lillie E. Brown, 1434 6th

Ave., San Francisco.

Architect...Theo. W. Lenzen, 709 Hum-

boldt Bank Bldg., S. F.

Contractor..S. E. Brown, 1434 6th Ave.,

San Francisco.

COST, \$2950

FRAME RESIDENCE

(2938) W ATALAYA 245-10 N Fulton.

Two-story and basement frame res-

idence.

Owner.....W. J. Keenan, Masonic and

Fulton, San Francisco.

Architect...None.

Day's work. COST, \$3000

ALTERATIONS

(2939) NO. 3958 ARMY. Alter and add

to dwelling.

Owner.....Michael Donovan, Premises

Architect...None.

Contractor..Thos. Lorenzen, 1423 Rhode

Island, San Francisco.

COST, \$800

FRAME RESIDENCE

(2940) W ATALAYA TERRACE 216-3

N Fulton. Two-story and basement

frame residence.

Owner.....W. J. Keenan, Masonic and

Fulton, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME APARTMENTS

(2941) SW FULTON AND MASONIC

Three-story and basement frame (8)

apartments.

Owner.....W. J. Keenan, Masonic and

Fulton, San Francisco.

Architect...None.

Day's work. COST, \$12,000

FRAME RESIDENCE

(2942) W EIGHTEENTH AVE 100 N

Balboa. Two-story and basement

frame residence.

Owner.....James Welsh, 543 18th Ave

San Francisco.

Architect...None.

Day's work. COST, \$3000

BRICK APARTMENTS

(2943) SE O'FARRELL AND HYDE E

70xS 77-6. Brick work, face pressed

brick work, cementing of fire walls,

flue work, etc., for four-story and

basement Class "C" brick apartments

and stores.

Owner.....Gerard Investment Co., Inc.

110 Sutter, San Francisco.

Architect...Rousseau & Rousseau, Inc.

110 Sutter, San Francisco.

Contractor..Matt V. Brady, Monadnock

Bldg., San Francisco.

Filed Oct. 5, '16. Dated Sept. 19, '16.

Brick work up to level of 3rd

floor and ready for 3rd floor

joists.....\$1222.50

Fire walls topped out.....1222.50

Brick work completed and ac-

cepted.....1222.50

Usual 35 days.....1222.50

TOTAL COST, \$4890.00

Bond, \$2445. Sureties, H. D. Nichols

and Chas. A. Carrillon. Limit, 35 days.

Forfeit, none. Plans and specifications

filed.

FRAME DWELLING

(2944) W TWENTY-FIFTH AVE 196-4

S Anza. Two-story and basement

frame dwelling.

Owner.....Thos. Hamill, 5535 Geary,

San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME FLATS

(2945) W TWENTY-FIRST AVE 150

N Anza. Two-story and basement

frame flats.

Owner.....Thos. Hamill, 5535 Geary,

San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME FLATS

(2946) W TWENTY-FIRST AVE 125 N

Anza. Two-story and basement frame

flats.

Owner.....Thos. Hamill, 5535 Geary,

San Francisco.

Architect...None.

Day's work. COST, \$3000

ALTERATIONS

(2947) NW SECOND AND MINNA.

Erect partitions for office.

Owner.....John Rapp, 121 Second,

San Francisco.

Architect...None.

Contractor..L. & E. Emanuel, 144 12th,

San Francisco.

COST, \$100

ALTERATIONS

(2948) N SATURN 200 E Lower Ter-

race. Alter dwelling.

Owner.....C. W. Peterson, 22 Saturn.

San Francisco.

Architect...None.

Day's work. COST, \$500

PLATFORM

(2949) NO. 142 JOICE. Erect platform
Owner.....Mrs. M. Rower, Premises.
Architect...None.
Day's work. COST, \$225

FRAME DWELLING

(2950) N SERVICE 130 W Steiner.
One-story and basement frame dwlg.
Owner.....C. Constant, 36 Service,
San Francisco.
Architect...None.
Day's work. COST, \$1400

FRAME FLATS

(2951) NO. 269 CHATTANOOGA. Two-story and basement frame (2) flats.
Owner.....Wm. Schonberg, Premises.
Architect...None.
Contractor...Wm. C. Hamerton & Son,
1301 Waller, S. F.
COST, \$5000

BRICK STORE

(2952) W HILLMORE 91 N Geary N 34 xW 135. Excavation, concrete, brick, iron, carpenter, mill, tin, galvanized iron, roofing, marble, glass and glazing, hardware, lathing, plaster, metal ceiling, etc., for one-story and basement brick store.
Owner.....Robert White Co., 235 Montgomery, S. F.
Architect...W. H. Crim Jr., 425 Kearny San Francisco.
Contractor...L. A. Secor, 80 Caselli Ave., San Francisco.

Filed Oct. 5, '16. Dated Sept. 25, '16.
1st floor joists on.....\$2849.50
Roof on 2849.50
Completed and accepted..... 2849.50
Usual 35 days..... 2849.50
TOTAL COST, \$11,398.00

Bond, \$5700. Sureties, H. G. Dodds and H. F. Secor. Limit, 75 days. Forfeit, \$20. Plans and specifications filed.

ALTERATIONS

(2953) NW KEARNY AND SUTTER. Alterations for fitting up store and basement of Joy's Drug Store.
Owner.....Edwin W. Joy, Premises.
Architect...W. H. Crim Jr., 425 Kearny, San Francisco.
Contractor...Braas & Kuhn Co., 58 Dearborn, San Francisco.

Filed Oct. 5, '16. Dated Oct. 5, '16.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$5281

Bond, \$2640. Sureties, F. H. Bamman and Nicholas Epting. Limit, 35 days from recording. Forfeit, \$15. Bonus, \$15 per day. Plans and specifications filed.

ALTERATIONS

(2954) NO. 531 ANDERSON. Raise and alter dwelling.
Owner.....M. Albert, Premises.
Architect...None.
Contractor...Al. Langsley, 741 Anderson, San Francisco.
COST, \$400

ALTERATIONS

(2955) NO. 718 PINE. Alter residence.
Owner.....Mrs. T. Birmingham.
Architect...F. H. Meyers, Bankers' Investment Bldg., S. F.
Contractor...Adam Arras, 116 Jessie, San Francisco.
COST, \$460

ALTERATIONS

(2956) NO. 352 CENTRAL AVE. Minor alterations to dwelling.

Owner.....Dr. Thos. E. Shumate, 1901 Scott, San Francisco.
Architect...None.
Contractor...Holm & Merchant, 68 Post, San Francisco.
COST, \$400

ALTERATIONS

(2957) SW KIRKWOOD AND QUINT. Erect partitions.
Owner.....Legalle Hellwig Co., Fairfax Ave.
Architect...None.
Contractor...D. W. Ross Co., 418 Franklin, San Francisco.
COST, \$650

MARQUISE

(2958) NO. 3625 SACRAMENTO. Erect marquee.
Owner.....Arthur Kanzee, 251 Post, San Francisco.
Architect...E. H. Denke, 1317 Hyde, San Francisco.
Contractor...F. G. Denke, 1317 Hyde, San Francisco.
COST, \$400

FRAME RESIDENCE

(2959) W HILLWAY 55 S Carl. Two-story and basement frame residence.
Owner.....F. Nelson, 2701 Lincoln Way, San Francisco.
Architect...None.
Day's work. COST, \$2500

FRAME RESIDENCE

(2960) W HILLWAY 78 N Parnassus Ave. Two-story and basement frame residence.
Owner.....F. Nelson, 2701 Lincoln Way, San Francisco.
Architect...None.
Day's work. COST, \$2500

CONCRETE STORES AND LOFTS

(2961) W BATTERY 45-10 N Pine N 146-2xW 137-6. Heating system, except boiler and oil burning equipment for six-story reinforced concrete stores and lofts.
Owner.....John A. Hooper by Kenneth MacDonald Jr.
Architect...Kenneth MacDonald Jr., Holbrook Bldg., S. F.
Contractor...Scott Co., Inc., 243 Minna, San Francisco.

Filed Oct. 6, '16. Dated Sept. 27, '16.
As work progresses to be paid once a month..... 75%
TOTAL COST, \$3145
Bond, limit, forfeit, none. Plans and specifications, none.

FRAME RESIDENCE

(2962) S RIVERA 60 E 22nd Ave O L 1101. All work for six-room frame residence.
Owner.....N. F. Nilsson, 355 Cole-ridge, San Francisco.
Architect...Plans by Owner.
Contractor...M. E. Nilsson, 355 Cole-ridge, San Francisco.

Filed Oct. 6, '16. Dated Oct. 3, '16.
Frame up\$800
Brown coated 800
Completed 800
Usual 35 days..... 800
TOTAL COST, \$2400
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(2963) N SANTA YNEZ AVE \$5 E Otsego; Lot 17 Blk "K" Mission Terrace. All work for five-room frame residence.

Owner.....N. F. Nilsson, 355 Cole-ridge, San Francisco.
Architect...Plans by Owner.
Contractor...M. E. Nilsson, 355 Cole-ridge, San Francisco.

Filed Oct. 6, '16. Dated Oct. 3, '16.
Frame up\$500
Brown coated 500
Accepted 500
Usual 35 days 500
TOTAL COST, \$2000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

(2964) N SANTA YNEZ AVE 60 E Otsego; Lot 16 Blk "K" Mission Terrace. All work for one-story frame cottage.

Owner.....N. F. Nilsson, 355 Cole-ridge, San Francisco.
Architect...Plans by Owner.
Contractor...M. E. Nilsson, 355 Cole-ridge, San Francisco.
Filed Oct. 6, '16. Dated Oct. 3, '16.
Frame up\$500
Brown coated 500
Accepted 500
Usual 35 days 500
TOTAL COST, \$2000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(2965) N JACKSON 107-6 W Laurel W 30xN 127-8. All work for three-story and basement frame residence.
Owner.....Leonard Jacobi.
Designer...R. L. Monson and A. A. Pyle, 1794 Hyde, S. F.

Contractor...Arthur Elvin.
Filed Oct. 6, '16. Dated Oct. 6, '16.
2nd floor joists on.....\$2560
Frame up, enclosed and sheathed 2561
1st coat plaster on..... 2561
Completed and accepted..... 3839
Usual 35 days..... 3841
TOTAL COST, \$15,361

Bond, \$7681. Surety, Massachusetts Bonding & Insurance Co. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(2966) E TWENTY-FOURTH AVE 171 S Geary S 25x E 120. All work for two-story and basement frame dwlg.
Owner.....Jno. J. Kingwell, 3360 Geary, San Francisco.

Architect...None.
Contractor...Fred O. McKay, 438 24th Ave., San Francisco.
Filed Oct. 6, '16. Dated Sept. 19, '16.
Frame up\$750
Brown coated 750
Accepted 750
Usual 35 days..... 750
TOTAL COST, \$3000

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.
LEASES.

Oct. 5, 1916—N JACKSON, bet. Kearny and Grant Ave; No. 616 Jackson. Y Miyasaka to S Hanos. 18 months. \$272.

Oct. 5, 1916—NO. 251 MASON W line bet Ellis and O'Farrell. Swanton Investment Co to M Appiano. 3 years. \$2700.
Oct. 6, 1916—NE ELLIS AND MASON E 87-6xN 187-6. Ellis Street Invest Co to Chas H Brown, assigned July 21, 1916 to Palace Theatre Co. 10 years, \$3750.

Oct. 2, 1916—NOS. 214-218 EVANS AVE. Matthew and Jeannette Harris to

Chas R Belz. 10 years. \$8400 with option to purchase.
Oct. 2, 1916—S MARKET AND SECOND SW 45xSE 91-6. Savings Union Bank & Trust Co to The Atchison Topeka & Santa Fe Railway Co. 10 years. \$210,000.
Sept. 30 1916—N SIXTEENTH 60 W Mission 32x160. Emil Arnold to B Bierbaum. 10 years. \$170 per month.
Oct. 4, 1916—N GOLDEN GATE AVE., bet Franklin and Gough; No. 724 Golden Gate Ave. Judah Boas Co to Frank L Kruse & Co. 3 years. \$3050

NOTICE OF NON-LIABILITY.

SAN FRANCISCO COUNTY.

Oct. 4, 1916—SE MARKET, bet. 6th and 7th; No. 1083 Market. Jas D Phelan as to improvements on leased property

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED **ACCEPTED**
Sept. 27, 1916—W MISSION 240-9 N Onondaga Ave N 160-6 W 274-7½ S 160 E 261-6. G Capurro to A Brisa and J Canepa.....Sept. 26, 1916
Sept. 27, 1916—N CLEMENT 82-6 W 24th Ave W 25xN 100. Jno L Davidson to J W Marsden.....Sept. 25, 1916
Sept. 27, 1916—N GEARY 47-6 E Larkin E 40 N 137-6 W 27 S 57-6 W 12-6 S 80. H H Helbush to G L Woerner.....Completed
Sept. 27, 1916—S MINNA 470 W Third 40x70. Frederick Marriott Sr to Jno Spargo.....Sept. 20, 1916
Sept. 27, 1916—SW TWENTY-SIXTH and Folsom W 170 S 150-9¼ M or 1 S 86 deg 35 min E 175 m or 1 N 173 Cogswell Polytechnical College to Lange & Bergstrom.....Sept. 20, 1916
Sept. 28, 1916—415 FORTY-FOURTH Ave, Lot 22 Outside Lands Blk 225 Map of Blks 224 and 225. Richmond District. Anna Jensen to whom it may concern.....Sept. 20, 1916
Sept. 28, 1916—S MAYNARD 350 W Craut W 25x100. Jno Christensen to whom it may concern. Sept. 28, 1916
Sept. 28, 1916—LOT 10 BLK 6, Crocker Amazon Tract. Gussie A Meyer to whom it may concern.....Sept. 28, 1916
Sept. 29, 1916—S RIVERA 60 W 21st Ave 30x100. N F Nilsson to whom it may concern.....Sept. 29, 1916
Sept. 29, 1916—N SPEAR & FOLSOM NE 137-6xNW 137-6. San Francisco Warehouse Co to Frasier & Frasier.....Sept. 28, 1916
Sept. 30, 1916—NW CLIPPER and Sanchez N 24xW 78. Anna M, Abigail A and Helen J Clifford to Mager Bros.....Sept. 29, 1916
Sept. 30, 1916—W LARKIN 30 S Post S 40xW 95. Savings Union Bank & Trust Co to William Makin.....Sept. 29, 1916
Sept. 30, 1916—E TWENTY-SIXTH Ave 100 N Balboa. W F St. Ores to whom it may concern.....Sept. 30, 1916
Sept. 30, 1916—E DIVISADERO 110 S Geary S 52-6xE 100. Anixter & Sons to A H Wilhelm.....Sept. 28, 1916
Sept. 30, 1916—NW TWENTY-4TH and Diamond. H E and L W MacArthur to whom it may concern.....Sept. 29, 1916

Oct. 2, 1916—S ARMY 50-0¾ W Bryant W 25-0¾xS 80. Michael McDonough and Lawrence Costello to whom it may concern.....Sept. 30, 1916
Oct. 2, 1916—N POST 62-6 E Leavenworth E 50 N 137-6 W 25 S 50 W 25 S 87-6. Lange & Bergstrom to Dresser McDonald & Co.....Sept. 27, 1916
Oct. 2, 1916—NO. 1231 MARKET S line bet 8th and 9th. Jas Otis, Trustee to Jesse E Steere.....Sept. 26, 1916
Oct. 3, 1916—SE NAPLES AND PIERU Ave 25x100. Joseph Hoegler to whom it may concern.....Sept. 30, 1916
Oct. 3, 1916—E HOWARD 155 N 20th N 45xE 122-6. Margaret L O'Keefe Extr Est Peter Swall to R W Moller.....Sept. 27, 1916
Oct. 3, 1916—N COLUMBUS AVE & Vallejo E 77-8¼xN 137-6. Roman Catholic Archbishop of S F to Schrader Iron Works.....Sept. 30, 1916
Oct. 3, 1916—SE HAYES & OCTAVIA E 62-6xS 120. Daniel or D M Moran to J J Siebert, C R Danziger, Seibert Co & New England Equitable Insurance Co.....Sept. 30, 1916
Oct. 3, 1916—SE WASHINGTON AND Presidio Ave S 52-8¼xE 105. Isidore Rosenberg to whom it may concern.....Aug. 23, 1916
Oct. 4, 1916—W BOYCE 537 N Geary — 25 W 120 S 25 E 120. Catherine Nugent to D W Ross & Co.....Sept. 27, 1916
Oct. 4, 1916—NW MARSTON & EDNA N 120xW 32. Wm T and Ella Hunter or Wm T Hunter to Frank C Rounds.....Oct. 2, 1916
Oct. 4, 1916—SW EIGHTEENTH and Vermont 25-6x100. Peter J Barich to J H Randall and Tony Christian (as Randall & Christian).....Sept. 28, 1916
Oct. 4, 1916—W RUSS AND FOLSOM SW 50xNW 100. Henry C Hicken to O E Evans Co.....Oct. 2, 1916
Oct. 5, 1916—W TENTH AVE 150 N Kirkham N 25xW 120. Alpheus and Mary E Duffee to whom it may concern.....Oct. 5, 1916
Oct. 5, 1916—NOS. 201-223 POTRERO Ave Cor. 15th. International Harvester Co of America, Lessee to M C Rensch.....Oct. 5, 1916
Oct. 5, 1916—E TWENTY-EIGHTH Ave 230 N California N 25xE 120. Harry B and Laurence D Allen to whom it may concern.....Sept. 30, 1916
Oct. 5, 1916—E TWENTY-EIGHTH Ave 305 N California N 25xE 120. Harry B and Laurence D Allen to whom it may concern.....Sept. 30, 1916
Oct. 5, 1916—S PRECITA AVE 608 E Coso Ave E 25xS 100. E G Emerson to H M Lohlah.....Sept. 27, 1916
Oct. 5, 1916—SE SAN JOSE AVE 214-514 SW Santa Ynez Ave SW 24,202 Sub Lots 1 and 2 Blk 33 West End Map 1; SE San Jose Ave 190,312 SW Santa Ynez Ave SW 24,202 Sub Lots 1 and 2 Blk 33 West End Map 1. Henry Steinbach to Louis Johnson.....Oct. 4, 1916
Oct. 5, 1916—NEAR END OF 25TH Street. The Western Pacific Railroad Co to Hyde Harjes & Co.....Sept. 26, 1916

Hemminga, Inc; Louis Friedman and Samuel Gersen.....\$159.85
Sept. 28, 1916—SW UNION & SCOTT 52-6x110. J S Guerin & Co vs Mrs E S Tuttle Bray, Richard Sinnott, Chas Alsop and L B Melano.....\$400
Sept. 28, 1916—SW UNION & SCOTT S 52xW 110. J S Guerin & Co, \$89; Macdonald Lumber Co, \$49.03 vs E S Tuttle Bray, Richard Sinnott and Chas Alsop and W H Daniel.....
Sept. 29, 1916—SW FOURTEENTH Ave and California W 90xS 100. New Era Marble & Concrete Co vs Louis Friedman, Samuel Gersen and W L Hemminga, Inc.....\$25.50
Sept. 29, 1916—W SEVENTEENTH Ave 25 N California N 75xW 75. Joost Hardware Co vs The Realty Investment Co and Albert A Russell\$75.98
Sept. 29, 1916—SW CALIFORNIA AND 14th Ave W 90xS 100. Edwin G Benkman, \$61; Akard Door Opener Co, \$75 vs Louis Friedman, Samuel Gersen and W L Hemminga.....
Sept. 29, 1916—SW FOURTEENTH Ave and California W 90xS 100. J E Higgins Lumber Co vs W L Hemminga, Inc, Samuel Gersen and Louis Friedman\$85.25
Sept. 20, 1916—SW CALIFORNIA & 14th Ave W 90xS 100. J H Kruse, \$67.33; F G Norman & Sons, \$308.24 vs Wm L Hemminga, Inc, Louis Friedman and Samuel Gersen.....
Sept. 30, 1916—SW CALIFORNIA & 14th Ave W 90xS 100. Hart-Wood Lumber Co vs Louis Friedman, W L Hemminga, Inc and Samuel Gersen\$408.66
Sept. 30, 1916—SW CALIFORNIA & 14th Ave W 90xS 100. P J Sullivan and E J Nutting (as Spencer Street Planing Mill) vs Louis Friedman and W L Hemminga.....\$252.76
Sept. 30, 1916—W GUERRERO 65 N 17th N 25xW 85. E C Nelson and J Holmlund vs Jas and Lillian Fitzpatrick, J S Hofmeister and Frank Berdahl\$65
Sept. 30, 1916—SW FOURTEENTH Ave and California W 90xS 100. E A Eatherton & Geo Fensky, \$832.40 Schwartz & Gottlieb, \$316.35 vs W L Hemminga, Inc, Louis Friedman and Samuel Gersen.....
Sept. 30, 1916—SW FOURTEENTH Ave and California W 90xS 100. J S Guerin vs Louis Friedman, Samuel Gersen, Royal Indemnity Co, W L Hemminga and W H Daniel\$257.55
Oct. 2, 1916—E FORTY-EIGHTH AVE 175 S Judah S 25xE 120. Peter Koenig vs Maude V Jacobs.....\$219.30
Oct. 2, 1916—SW CALIFORNIA AND Fourteenth Ave W 90xS 100. J K Stewart vs W L Hemminga, Inc, Louis Friedman and Samuel Gersen\$404
Oct. 2, 1916—SW FRONT & PACIFIC 61x137-6. Samuel Casey, \$27; I W Tufts, \$15; C Merrill, \$25.50; 1 Walton, \$24 vs Frye & Co.....
Oct. 3, 1916—LOT 197 Gift Map No. 2 August Reinha vs Charles Thompson\$35
Oct. 2, 1916—SW CALIFORNIA AND 14th Ave S 100xW 90. California Door Co, \$909.55; R W Parkes, \$212.25 vs Louis Friedman and Samuel Gersen.....

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED **AMOUNT**
Sept. 28, 1916—SW CALIFORNIA AND 14th Ave W 90xS 100. The Dean Reversible Window Co, Inc vs W L

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENT—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland, Owners, City of Oakland. The Federal Construction Co., 323 Sharon Bldg., S. F., has been awarded the contract by the City Council for the improvement of that portion of College avenue from the northwest line of Broadway to the southern boundary line of the city of Berkeley, by curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt; 14 brick manholes, a brick catch basin, a vitrified pipe sewer, having an internal diameter of 21 inches; and a vitrified pipe conduit, having an internal diameter of 14 inches.

RESIDENCE—1½ story and base, frame, \$2,500. Oakland, Cal. Architect, Chester H. Miller, First National Bank Bldg., Oakland. Owner, Ulric Peterson. Location, Steiny Terrace. Will contain six rooms, bath and sleeping porch. Plans being prepared.

RESIDENCES—2, 1 story and base, frame, \$2,000. Berkeley, Alameda Co. Cal. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, east Sacramento north Cedar. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owners, Morgensen Bros., 589 63rd street, Oakland. Location, south 4th street west Webster. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, M. L. Newsom, 1748 Broadway, Oakland. Owner, A. F. Werum. Location, 35th avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owners, Broadhead & Wishart, 861 57th street, Oakland. Location, north 42nd street west Market. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,200 each. West Berkeley, Alameda Co., Cal. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, A. Samuels. Location, West Berkeley. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and figures are being taken.

RESIDENCE—1½ story and base, frame, \$2,500. Piedmont, Alameda Co. Cal. Architect, none. Owner, C. M. Balboa. Location, south Wildwood, Lot 35, Lakewood Park. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, G. Taylor, 96 Pearl street Oakland. Location, west Greenwood avenue north Park Boulevard. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, brick, \$6,000. Berkeley, Alameda Co., Cal. Architect, P. Holberg Reimers, Acheson Bldg., Berkeley. Owner, Mrs. Harvey. Location, corner Colusa and Solano streets, covering an area of 40 by 50

feet. Will contain two flats of four and five rooms, bath and basement garage. Plans being prepared.

FACTORY CHIMNEY—Reinforced concrete, \$2,000. Oakland, Cal. Engineer, none. Owners, Barbour Chemical Co. Location, 50th avenue and East street. Plans complete and work to be done by Day Labor.

MACHINE SHOP—1 story, brick, \$9,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, J. H. Kim. Location, 6th street between Broadway and Franklin. Will contain office and work space. Plans complete and segregated figures being taken.

HOTEL—3 story and base, brick on frame, \$50,000. San Leandro, Alameda Co., Cal. Architects, Crosbie & Judson Fresno. Owners, San Leandro Hotel Co. Will contain 80 rooms, office, dining room, kitchen and a number of baths. Plans complete and figures being taken for both frame and brick construction.

SCHOOL ADDITION—2 story, frame \$13,849. Oakland, Cal. Architect's name not given. Owners, City of Oakland. W. G. Thornally, 3027 East 16th street, Oakland, presented the lowest bid for the addition to the University School and will probably be awarded the contract. A complete list of these bids will be found under the heading of Oakland and Alameda County in this issue.

SCHOOL—2 story and base, brick, steel and concrete, \$50,000. Alameda Alameda Co., Cal. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. A complete list of the bids opened on October 3rd for the construction of the Lincoln School will be found under the heading of Oakland and Alameda County in this issue.

STORES AND OFFICES—2 story and base, frame, \$16,000. Oakland, Cal. Architect, Julia Morgan, Merchants' Exchange Bldg., S. F. Owner, Mrs. E. L. Turner. Location, northwest 40th and Piedmont avenue. Will contain stores on the ground floor and a number of offices above. Plans complete.

REVISED BIDS RECEIVED
FOR ALAMEDA SCHOOL.

Alameda Board of Education Consider
Bids for Lincoln School at Tuesday
Night's Meeting.

Bids were opened at the Tuesday night meeting of the Alameda Board of Education for the construction of the Lincoln School, a two-story and basement brick, steel and concrete building, designed by Architects Cunningham & Politeo, 1st National Bank Bldg., San Francisco.

The work was segregated into the following departments: (1) excavating and concrete work; (2) brick, granite, cast iron and steel; (3) carpentry, mill work, glass, stairs, roofing, hardware, patent flues and galvanized iron work; (4) plumbing, gas fitting and marble work; (5) electric work; (6) lath and plaster and ornamental work; (7) heating and ventilating; (8) painting; (9) vacuum cleaner.

Following is a complete list of the bids:

LINCOLN SCHOOL.

Department No. 1.

Edwall & Alforno.....	\$4,193
Powell Bros.....	4,250
Anderson & Ringrose.....	4,810
C. L. Wold.....	4,188

Department No. 2.

Pressed Brick Common	
White & Gloor.....	\$32,700
Mealey & Collins.....	28,900
Chas. B. Hadley.....	31,050
C. L. Wold.....	33,525

Department No. 3.

Geo. Reichley & Son.....	\$24,535
Anderson & Ringrose.....	22,950
M. P. Mortenson.....	24,932
J. Wendering.....	22,970
Delony & Randlett.....	23,340
C. L. Wold.....	25,690
Stockholm & Allyn.....	23,677

Department No. 4.

Carl T. Doell.....	\$5,339
B. F. Cruz.....	5,231
James A. Pinkerton.....	5,720
Frederick W. Snook & Co.....	5,069
J. E. O'Mara.....	4,783
Thomas R. Catton.....	5,239
Alexander Coleman.....	5,692

Department No. 5.

Ne Page-McKinney.....	\$2,127
Electrical Constr. Co.....	2,900

Department No. 6.

George Dixon.....	\$5,233
William McKim.....	5,445
C. L. Wold.....	5,366

Department No. 7.

J. C. Hurley Co.....	\$5,563
Ideal Heating & Engineering Co.....	5,478
W. Morgan & Co.....	5,685

Department No. 8.

D. Zelinsky & Sons.....	\$3,059
-------------------------	---------

Department No. 9.

S. F. Compressed Air Co.....	\$545.00
Western Vacuum Supply Co.....	547.00
C. F. Fisher.....	529.69

Two of the bidders combined various departments of the work as follows:

L. G. Berggren & Son: Depts. 1, 2, 3,	
6 and 8, \$66,186 with a deduction of	
\$4,000 if common brick is used.	
Carnahan & Mulford: Depts. 1 to 9,	
inclusive, \$50,989 with pressed brick and	
\$75,541 for common brick.	

RECEIVE FIGURES FOR
SCHOOL ADDITION.

Only Four Bids Received For Addition
to University School in Oakland.

Only four sets of figures were received by the Oakland Board of Education on October 5th for the construction of the frame addition to the University High School. W. G. Thornally, 3027 E-16th street, Oakland, presented the lowest figure at \$13,849. All bids were taken under advisement.

Addition to University School.

Robert Glaze.....	\$14,792
W. G. Thornally.....	13,849
George Armstrong.....	14,633
Schnebley, Hostrawser & Ped-	
grift.....	14,354

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Amt.
2326	Balboa	.....	2300
2327	Kulda	.....Elder	1500
2328	Archbishop	.....Burke	1200
2329	Davidson	.....Taylor	2300
2340	Taylor	.....Taylor	2600

2341	Taylor	Taylor	2000
2342	Hoff	Warner	425
2343	Our Ladies Hme	Johnson	1800
2344	McCloud	Malley	400
2345	Spencer	Spencer	1500
2346	Nethkin	Nethkin	1000
2347	Wishart	Wishart	2000
2348	Grace	Vaughn	3969
No.	Owner	Contractor	Amt.
2349	Harris	Dexter	400
2350	Brwy Grill	Walker	500
2351	Cross	Nottingham	1000
2352	Watkinson	Jones	500
2353	Freeling	Woodard	400
2354	MacGregor	Johnson	400
2355	McGuiness	Hambleton	400
2356	Hansen	Hansen	400
2358	Sorenson	MacGregor	1200
2359	Verras	Chleutzos	150
2360	Ditzel	Matteson	800
2361	Warnesley	Barnett	650
2362	Jackson	Paraffine	400
2363	Rust	Sommarsron	1500
2364	Christie	Strang	3500
2373	Morgensen	Morgensen	2000
2374	De Carlos	De Carlos	400
2375	Havens	Griffin	450
2376	Pacific G & E	Cress	1600
2377	Schirmer	Rounds	3500
2378	Norton	Norton	400
2379	Anderson	Martin	400
2380	Barbour	Barbour	1800
2381	Barbour	Barbour	500
2382	Jurgens	Turner	8800
2383	Same	Frander	5262
2384	Grace	Vaughn	3969
2385	Chittenden	Taylor	400
2386	Hoppe	Ayeds	900
2389	Ismert	Lehman	1625

FRAME RESIDENCE

(2336) S WILDWOOD, Lot 35 Lakewood Park, Piedmont. One and one-half-story frame residence and garage.
Owner.....C. M. Balboa.
Architect...None.
Day's work. COST, \$2500

DWELLING

(2337) S TWENTY-EIGHTH 275 N Grove, Oakland. Two-story four-room dwelling.
Owner.....Mathias Kulda, 639 28th, Oakland.
Architect...None.
Contractor...Russell Elder, 683 28th, Oakland.
COST, \$1500

DWELLING

(2338) N PORTER 103 W High, Oakland. One-story 4-room dwelling.
Owner.....Roman Catholic Archbishop of S. F., 1100 Franklin, San Francisco.
Architect...None.
Contractor...T. S. Burke, 3101 Eastman Ave., Oakland.
COST, \$1200

DWELLING

(2339) W FOURTEENTH AVE 500 N E-38th, Oakland. One-story 5-room dwelling.
Owner.....A. W. Davidson, 1125 Union, Oakland.
Architect...None.
Contractor...G. Taylor, 96 Pearl, Okd.
COST, \$2300

DWELLING

(2340) W GREENWOOD AVE 500 N Park Boulevard, Oakland. One-story 5-room dwelling.
Owner.....G. Taylor, 96 Pearl, Okd.
Architect...None.
Day's work. COST, \$2000

DWELLING

(2341) W FOURTH AVE 540 N E-38th Oakland. One-story 5-room dwlg.
Owner.....G. Taylor, 96 Pearl, Okd.
Architect...None.
Day's work. COST, \$2000

SHED

(2342) FT. TWENTY-SECOND AVE., Oakland. Shed.
Owner.....John D. Hoff Asbestos Co., Premises.
Architect...None.
Contractor...S. A. Warner, 5349 Princeton, Oakland.
COST, \$125

BOILER ROOM, ETC.

(2343) NO. 1906 THIRTY-FOURTH AVE., Oakland. Boiler room and pipes.
Owner.....Our Ladies Home Ass'n., Premises.
Architect...None.
Contractor...S. T. Johnson Co., 945 Grace, Oakland.
COST, \$1800

ALTERATIONS

(2344) NE EIGHTH AND BROADWAY, Oakland. Alterations.
Owner.....B. McCloud, Premises.
Architect...None.
Contractor...H. Malley, 2977 West, Okd.
COST, \$400

ADDITION

(2345) NO. 519 MERRITT AVE., Oakland. One and one-half-story addition to dwelling.
Owner.....P. H. Spencer.
Architect...None.
Day's work. COST, \$1500

DWELLING

2346) E SIXTY-THIRD AVE 120 N Avenal Ave., Oakland. One-story 4-room dwelling.
Owner.....H. Nethkin, 3544 Porter, Oakland.
Architect...None.
Day's work. COST, \$1000

DWELLING

2347) N FORTY-SECOND 175 W Market, Oakland. One-story 5-room dwelling.
Owner.....Broadhead & Wishart, 864 57th, Oakland.
Architect...None.
Day's work. COST, \$2000

STORE AND DWELLING
(2348) W CLAREMONT AVE 60 N Forest, Oakland. Two-story 8-room store and dwelling.
Owner.....Miss Margaret Grace, S. F.
Architect...None.
Contractor...M. C. Vaughn, 5833 Ayala, Oakland.
COST, \$3969

ALTERATIONS

(2349) NO. 566 THIRTY-THIRD, Oakland. Alterations.
Owner.....S. E. Harris.
Architect...None.
Contractor...A. R. Dexter.
COST, \$100

ALTERATIONS

(2350) NO. 1107 BROADWAY, Oakland. Alterations.
Owner.....Broadway Grill, Premises.
Architect...None.
Contractor...F. G. Walker.
COST, \$500

HEATING SYSTEM

(2351) NO. 301 TWENTIETH, Oakland. Heating system.
Owner.....Dr. L. A. Cross, Elks' Bldg. Stockton.
Architect...None.

Contractor...W. K. Nottingham, 466 41st Oakland.
COST, \$1000

REPAIRS

(2352) NO. 2717 WEBSTER, Oakland. Repairs.
Owner.....Mrs. J. H. Watkinson, 355 25th, Oakland.
Architect...None.
Contractor...F. G. Jones, 1217 Webster, Oakland.
COST, \$500

ALTERATIONS

(2353) NO. 4136 MANILA AVE., Oakland. Alterations.
Owner.....W. J. Freeling, Premises.
Architect...None.
Contractor...E. W. Woodard, 4025 Brighton Ave., Oakland.
COST, \$400

OIL BURNER

(2354) THIRD AVE AND E-16TH, Oakland. Oil burner.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.

Contractor...S. F. Johnson Co., 1334 Mission, San Francisco.
COST, \$400

ALTERATIONS

(2355) NO. 1221 E-TWELFTH, Oakland. Alterations.
Owner.....Mrs. McGuiness, 444 11th, Oakland.
Architect...None.
Contractor...Fred Hambleton, 575 43rd, Oakland.
COST, \$400

DWELLING

(2356) NO. 1512 NINETY-SIXTH AVE Oakland. One-story 4-room dwlg.
Owner.....Hans J. Hansen, Premises.
Architect...None.
Day's work. COST, \$400

FARAGE

(2358) NO. 168 MOSS AVE., Oakland. Two-story 3-room garage.
Owner.....H. F. Sorenson, Premises.
Architect...None.
Contractor...C. M. MacGregor, 470 13th, Oakland.
COST, \$1200

ADDITION

(2359) NO. 2101 FORTY-FIRST AVE., Oakland. Addition.
Owner.....Mrs. B. F. Verras, Premises.
Architect...None.
Contractor...C. Chleutzos, 1013 Hayes, Oakland.
COST, \$450

ADDITION

(2360) NO. 3645 RHODA AVE., Oakland. Addition.
Owner.....R. R. Ditzel, 1415 Nevin Ave., Richmond, Cal.
Architect...None.
Contractor...E. T. Matteson, 3024 Bona, Oakland.
COST, \$800

ADDITION

(2361) NO. 529 HENRY, Oakland. Addition.
Owner.....H. Warnesley, Premises.
Architect...None.
Contractor...Barnett & Baskins, 1427 10th, Oakland.
COST, \$650

REPAIRS

(2362) W CLAY 50 N Thirteenth, Oakland. Roof repairs.
Owner.....Jackson Furniture Co., Premises.
Architect...None.
Contractor...Paraffine Paint Co., 565 16th, Oakland.
COST, \$400

ALTERATIONS

(2363) NO. 729 SEVENTEENTH, Oakland. Alter 2 flats into 4 flats.
Owner.....Miss Rust, 629 16th, Okd.
Architect...None.
Contractor...Sommarstrom Bros., 2417 Telegraph Ave., Oakland.
COST, \$1500

FRAME DWELLING

(2364) N HARVARD ROAD, Lot 8 Bik "D" Lakewood Park Tract, Piedmont. Two-story 7-room frame dwelling.
Owner.....Mrs. E. P. Christie, 485 Stowe Ave., Oakland.
Architect...None.
Contractor...V. N. Strang, 805 Pacific Ave., Alameda.
COST, \$3500

DWELLING

(2373) S FORTY-FOURTH 177 E Webster, Oakland. One-story 5-room dwelling.
Owner.....Morgensen Bros., 559 63rd, Oakland.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS

(2374) NO. 432 ROSE, Oakland. Alterations.
Owner.....V. B. De Carlos, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(2375) S SEVENTEENTH 200 W Telegraph Ave., Oakland. Alterations.
Owner.....Havens & Lemiert.
Architect...None.
Contractor...C. M. Griffin, 746 5th Ave., Oakland.
COST, \$450

ADDITION

(2376) FIRST AND MARKET, Oakland. One-story addition steel frame and corrugated iron.
Owner.....Pacific Gas & Electric Co., 13th and Clay, Oakland.
Architect...None.
Contractor...F. H. Cress, 180 Jessie, S. F.
COST, \$1600

DWELLING

(2377) S LAKESHORE AVE 300 E Walla Vista, Oakland. One and one-half-story 5-room dwelling.
Owner.....W. E. Schlrner, Dalziel Bldg., Oakland.
Architect...None.
Contractor...F. C. Rounds, 820 56th, Okd.
COST, \$3500

ADDITION

(2378) NO. 8527 E-FOURTEENTH, Oakland. Addition.
Owner.....C. C. Norton, Premises.
Architect...None.
Day's work. COST, \$650

ADDITION

(2379) NO. 1712 BRIDGE AVE., Oakland. Addition.
Owner.....H. F. Andersen, Premises.
Architect...None.

Contractor...Paul E. Martin, 1643 Sherman, Alameda.
COST, \$400

CHIMNEY

(2380) FIFTIETH AVE AND E-NINTH, Oakland. Reinforced concrete chimney.
Owner.....Barbour Chemical Co., Prem.
Architect...None.
Day's work. COST, \$1300

WAREHOUSE

(2381) FIFTIETH AVE & E-NINTH, Oakland. One-story warehouse.
Owner.....Barbour Chemical Co., Prem.
Architect...None.
Day's work. COST, \$500

CLASS "A" STORES AND LOFTS

(2382) NW FIFTEENTH AND CLAY W 100xN 103-9, Oakland. Automatic sprinkling fire extinguisher apparatus for eight-story and basement Class "A" store and loft building.
Owner.....The Chas. Jurgens Co., Inc., 373 13th, Oakland.
Architect...Walter J. Mathews, 967 Broadway, Oakland.
Contractor...The Turner Co., 278 Natoma, San Francisco.

Filed Oct. 5, '16. Dated Sept. 26, '16.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$8880
Bond, \$4440. Surety, Massachusetts Bonding & Insurance Co. Limit, Dec. 29. Forfeit, none. Plans and specifications filed.

(2383) IRON STAIR CASES, Elevator door fronts and overhead shaft guards on above.

Contractor...C. Frauneder, 816 8th, Okd.
Filed Oct. 6, '16. Dated Sept. 30, '16.
One-fourth completed ¼
One-half completed ½
Completed ¾
Usual 35 days..... ¼
TOTAL COST, \$5262

Bond, \$2632. Surety, Massachusetts Bonding & Insurance Co. Limit, Dec. 15. Forfeit, none. Plans and specifications filed.

FRAME STORE AND FLAT

(2384) W CLAREMONT AVE 60 N Forest being Ptn Lot 1 Bik "A" Map Doe Tract, Oakland. All work for two-story frame store and flat.
Owner.....Margaret E. Grace, S. F.
Architect...None.
Contractor...M. C. Vaughn, 5338 Ayala, Oakland.

Filed Oct. 5, '16. Dated Oct. 4, '16.
Frame up ¼
Plastered ¼
Completed and accepted..... ¾
Usual 35 days..... ¼
TOTAL COST, \$3969

Bond, \$1984.50. Surety, Maryland Casualty Co. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

ADDITION

(2385) NO. 6235 FLORIO, Oakland. Addition.
Owner.....T. Chittenden, 3707 Carrington, Oakland.
Architect...None.
Contractor...Earl Taylor, 1616 Russell, Berkeley.
COST, \$400

GARAGE

(2386) W THIRTY-FIFTH AVE 50 N E-27th, Oakland. Two-story garage.

Owner.....R. Hoppe, 2777 25th Ave., Oakland.
Architect...None.
Contractor...R. B. Ayers, 2356 E-27th Ave., Oakland.
COST, \$900

FRAME DWELLING

(2389) W SEMINARY AVE 150 S E-14th 40x100, Oakland. All work for one-story frame dwelling.
Owner.....William Hayward Ismert, 2631 Telegraph Ave., Okd.
Architect...J. Henry Boehr, Thomson Bldg., Oakland.
Contractor...John Lehman, Oakland.
Filed Oct. 5, '16. Dated Oct. 4, '16.
Frame up ¼
Rough plastered ¼
Completed and accepted..... ¾
Usual 35 days..... ¼
TOTAL COST, \$1625

Bond, \$812.50. Sureties, F. S. Betton and Harry E. Brittingham. Limit, 70 days. Forfeit, \$3. Plans and specifications filed

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2357	Garber	Kollmer	3300
2365	Willits	Boldt	1000
2366	Hillen	Hillen	2000
2371	Oulton	Kidder	1765
2372	Hillen	Hillen	2000
2387	Sykes	Krohn	400
2388	Risher	Butler	2500

ALTERATIONS

(2357) NO. 15 TANGLEWOOD ROAD, Berkeley. Alter two-story frame dwelling.
Owner.....Miss L. J. Garber, 2706 Claremont Blvd., Berkeley
Architect...Henry H. Guttersen, 278 Post, San Francisco.
Contractor...Jacob Kollmer, 2813 Stuart Berkeley.
COST, \$3300

ADDITIONS

(2365) NO. 2733 WOOLSEY, Berkeley. Addition and alteration.
Owner.....Chas. D. Willits, Premises.
Architect...None.
Contractor...Wm. L. Boldt, 2610 Grove, Berkeley.
COST, \$1000

DWELLING

(2366) W FLEURANGE 227 N Gilman, Berkeley. One-story 5-room dwelling.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS

(2371) NO. 3026 COLLEGE, Berkeley. Alterations and addition to 2-story flats.
Owner.....Mrs. G. H. Oulton, Prem.
Architect...None.
Contractor...H. C. Kidder, 2108 Shattuck Ave., Berkeley.
COST, \$1765

DWELLING

(2372) E SACRAMENTO 480 N Cedar, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS
(2387) NO. 2035 DERBY, Berkeley.
Alterations.
Owner.....Joshua W. Sykes, 1816
Stuart, Berkeley.
Architect...None.
Contractor...Alpheus Krohn, 2021 Derby
Berkeley.

COST, \$400

DWELLING
(2388) W GRANT 50 S Delaware, Ber-
keley. One-story 8-room dwelling.
Owner.....Geo. Risher, 1814 Hearst
Ave., Berkeley.
Architect...None.
Contractor...B. F. Butler, 333-A 49th
Oakland.

COST, \$2500

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Am't.
2387	Farnham	Delaney	1000
2388	Fraser	Fraser	400
2389	Hartwein	Hartwein	450
2370	Anderson	Larson	1700

ALTERATIONS
(2387) NO. 1384 PARK, Alameda. Al-
terations.
Owner.....Mrs. E. C. Farnham, 768
Kingston Ave., Piedmont.
Architect...None.
Contractor...Delaney & Randlett, 2303
Central Ave., Alameda.

COST, \$1000

GARAGE
(2368) NO. 1128 BAY, Alameda. Garage
Owner.....J. C. Fraser, Premises.
Architect...None.
Contractor...Delaney & Randlett, 2307
Central Ave., Alameda.

COST, \$400

DWELLING
(2369) SE ADAMS AND POST, Ala-
ameda. One-story 3-room dwelling.
Owner.....Thomas Hartwein, 2233 E-
23rd, Oakland.
Architect...None.
Day's work.

COST, \$450

DWELLING
(2370) W BROADWAY 92 S Central
Ave., Alameda. One-story 6-room
dwelling.
Owner.....A. Anderson, 1705 Broad-
way, Alameda.
Architect...None.
Contractor...B. G. Larson, 2503 12th
Ave., Oakland.

COST, \$1700

BUILDING SUMMARY OF ALAMEDA COUNTY.

OAKLAND.

1-story dwellings.....	63	\$106,431
1½-story dwellings.....	4	12,600
2-story dwellings.....	15	58,430
2-story dwlgs. & stores	1	3,363
2-story flats.....	3	14,500
2-story apartments.....	1	7,500
3-story apartments.....	1	15,000
2-st apartments & bank	1	7,500
1-story brick stores.....	6	67,613
1-story brick garage.....	1	11,449
2-story cream depot.....	1	9,855
1-st concrete garage.....	3	25,950
Steel smoke stack.....	1	2,500
1-story frame stores.....	2	1,350
1-st frm warehouse.....	2	1,225
1-st add'n to Post Office	1	15,000
1-story office.....	1	250
1-story boiler room.....	1	400

Sheds, garages & stables	74	12,580
Work shop, tank frames		
and barns.....	5	1,325
Electric signs.....	6	\$15
Additions.....	75	27,808
Alterations & repairs.....	160	35,187

Total 428 \$439,253

SUMMARY

New construction.....	268	404,066
Alterations & repairs.....	160	35,187

Total 428 \$439,253

September, 1915, 268 permits; valued at \$522,597.70; increase of 60 permits; decrease in value \$83,344.70.

Total for January to September, 1916, inclusive, 2750 permits; value \$1,254,692.

Total for January to September 1915, inclusive, 2440 permits; value \$3,835,940.30.

Increase over 1915, 310 permits, value \$418,751.70.

BERKELEY.

The building figures for Berkeley are as follows:

Private construction.....	\$130,100
University work.....	209,486

September, 1916.....\$339,586

September, 1915.....131,700

Increase\$207,886

Total January to September, 1916, inc., \$1,910,719.

Total January to September, 1915, inc., \$1,428,800.

Increase over 1915, \$481,919.

ALAMEDA.

The figures for Alameda follow:

September, 1916.....	\$37,540
September, 1915.....	24,918

Increase\$12,622

Total January to September, 1916, inc., \$541,278.

Total January to September, 1915, inc., \$271,403.

Increase over 1915, \$269,875.

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Oct. 4, 1916—NO. 2412 BROADWAY, Okd. Henry and Hugo Abrahamson as to improvements on leased property
Sept. 30, 1916—LOT 6 and ½ Lot 6 adjoining Lot 5 in Blk No. 1, Map Haywards Home Farm Tract, —, Solomon Marcuse and Stella Belmont et al as to improvements on leased property

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED
Sept. 28, 1916—LOT 1 BLK 16 (Daley's Scenic Park) S 5 of W 90xE 35 Lot 2 Blk 16, Bkly. Marie A Wright to Charles Lock.....Sept. 28, 1916
Sept. 28, 1916—NE LAGUNA AND Montana, Okd. I Ariel Kellogg to whom it may concern.....Sept. 28, 1916
Sept. 28, 1916—E TELEGRAPH AVE 126 from N line 48th N 25xE 131, Okd. Joseph L Bosso to M E Valente.....Sept. 28, 1916
Sept. 28, 1916—LOT 8 and N 12¼ Lot 9 Blk 21 Map Key Route Heights, Okd. S A Isakson to whom it may concern.....Sept. 8, 1916
Sept. 29, 1916—PTN LOT "A" Map College Court, Okd. Eva Wilson to

whom it may concern.....Sept. 25, 1916
Sept. 29, 1916—LOT 15 BLK 2, Fairview Park, Okd. T L Hamlin and Ella Reid Hamlin to Oscar Salranen.....Sept. 28, 1916
Sept. 29, 1916—E OAK 50 N Ninth N 30xE 100, Okd. Noble Newsom to whom it may concern.....Sept. 28, 1916
Sept. 30, 1916—SW LAVERNE AVE 247.05 NW 55th Ave NW 35xSW 100, Okd. E H Norlison to whom it may concern.....Sept. 29, 1916
Sept. 30, 1916—PTN LOTS 6 AND 7 Blk 3 Map Graves & Taylor Tract, being No. 1415 Bonita, Bkly. T O Hansson to whom it may concern.....Sept. 23, 1916
Sept. 30, 1916—LOT 73 Alta Piedmont Tract, Piedmont. L D Wood to Alfred Peterson.....Sept. 29, 1916
Oct. 2, 1916—LOT 36 BLK 2 Map Oak Lawn, Okd. Mary E Lazear to Jones Bros.....Oct. 2, 1916
Oct. 2, 1916—LOT 32 BLK 1 Map Fairview Park, Okd. Charles R Stone to Cederborg & Anderson.....Oct. 2, 1916
Oct. 2, 1916—LOT 16 BLK 1—58th Ave East Lawn Subdn, Okd. Henry C Smith to whom it may concern.....Oct. 2, 1916
Oct. 2, 1916—SIXTEENTH DEPOT, Okd. S P Co to Paraffine Paint Co.....Sept. 23, 1916
Oct. 4, 1916—SW EAGLE AVE AND Willow W 103.5xS 115, Alameda. J R Sloan by Chester H Miller to whom it may concern.....Sept. 25, 1916
Oct. 4, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James K Moffitt to Clinton Constr Co.....Sept. 25, 1916
Oct. 4, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James K Moffitt to N Clark & Sons.....August 14, 1916
Oct. 4, 1916—W GROVE 35.80 S 33rd S 40 W 116.56 N 40 E 115, Oakland. Joseph Antonio and Frank Busso to J C Neilson.....Oct. 2, 1916

LIENS FILED

ALAMEDA COUNTY.

Sept. 28, 1916—LOT 100 Map Sheet No. 2 Nova Piedmont, Piedmont. Oakland Paving Co vs V N Strang\$79.90
Sept. 28, 1916—LOT 20 BLK 3 Amended Map Thousand Oaks Court, Berkeley. A H Bar (Bar Mercantile Co) vs R E Stubbe and George Friend\$95.80
Sept. 28, 1916—LOT 22 BLK 3, Amended Map Thousand Oaks Court, Bkly. A H Bar (Bar Mercantile Co) vs R E Stubbe and P J Wright.....\$56.10
Sept. 28, 1916—LOT 100 Map Nova Piedmont, Piedmont. Hanna Lumber & Mill Co vs V N Strang.....\$540.16
Sept. 29, 1916—NE MONTGOMERY & John N 100xE 55, Okd. Hogan Lumber Co vs Ed Collins and Frank Romano\$514.22
Sept. 29, 1916—LOT 100 Map Nova Piedmont, Piedmont. J F Ellis (National Roofing Co) vs V N Strang\$80
Sept. 29, 1916—LOT 100 Map Nova Piedmont, Piedmont. W P Fuller & Co, \$68.76; W H Pollard Jr, \$185.78; H A Hodas, \$145; Thomas Osborn and Paul Mortenson (Osborn & Mortenson), \$144.60 va V N Strang
Sept. 30, 1916—(1) PTN AUGHENBAUGH 223.374 Acra Tract; (2) Lots

22, 25, 26, 27 and Ptn Lots 23 and 24 Sec 11, and Lot 6 Sec 14 Tp 2 S Range 4 W M D M Map Sale Map No. 10, Salt Marsh and Tide Lands, Ala. Western Heavy Hardware & Iron Co vs Surf Beach Amusement Co, August Freese, A T Spence, Alameda Park Co, M H Owens, Wm Edwards, John Doe, Richard Roe, Newark Development Co, Harvey M Toy, F W Lucas, S F Walton, Strehlow, Freese & Peterson and J O Davis\$216.94

Sept. 30, 1916—W ELWOOD AVE 211 N Valle Vista Ave W 119.50xS 40, Okd. W 1 Baker Co vs Mrs H Louise Mayon\$42.84

Sept. 30, 1916—N 30 LOT 25 and S 5 Lot 26 Blk "I" Map Bryant Tract, Bkly. H C Brown vs Carl Ericsson\$45

Oct. 3, 1916—LOT 3 BLK "E" Map Excelsior Heights, Okd. Panama Lumber & Mill Co vs Oakland Investment Co, J R Elrod, J C and Ellen E O'Connor\$423.10

Oct. 2, 1916—(1)PTN AUGHINBAUGH 223.374 Acre Tract (2) Lots 22, 25, 26, 27 and Ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D M Sale Map No. 10, Salt Marsh & Tide Lands, Alameda. United Iron Works vs Surf Beach Amusement Co, August Freese, A T Spence, Alameda Park Co, H M Owens and William Edwards...\$60

Oct. 3, 1916—LOT 9 BLK 7 Map Resubdn Blks 9, 10, 11, 12, 13, 14 and Ptn Blk 16 Rock Ridge Terrace, Okd. Panama Lumber & Mill Co vs Oakland Invest Co, J R Elrod, J C and Ellen E O'Connor.....\$359.12

Oct. 3, 1916—LOT 22 BLK 8 Map A Resubdn of Blk 8 of that portion Rock Ridge Terrace filed March 16, 1911; filed March 27, 1913, Okd. Panama Lumber & Mill Co vs Oakland Invest Co, J R Elrod, J C and Ellen E O'Connor\$510.87

Oct. 3, 1916—LOT 17 BLK 8 Map Resubdn Blk 8 of part Rock Ridge Terrace filed March 16, 1911; filed March 27, 1913, Okd. Panama Lumber & Mill Co vs Oakland Investment Co, J R Elrod, J C and Ellen E O'Connor\$328.77

Oct. 3, 1916—(1) PTN AUGHINBAUGH 223.374 Acre Tract; (2) Lots 22, 25, 26, 27 and Ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D M Sale Map No. 10 Salt Marsh & Tide Lands, Alameda. Panama Lumber & Mill Co vs A T Spence and Surf Beach Amusement Co\$310.42

Oct. 3, 1916—LOT 13 BLK 8 A Resubdn Blk 8 of that part of Rock Ridge Filed March 16, 1911; Filed March 27, 1913, Okd. Panama Lumber & Mill Co vs Oakland Investment Co, J R Elrod and J C and Ellen E O'Connor.....\$338.73

Oct. 3, 1916—LOT 8 BLK 8 A resubdn Blk 8 of that part of Rock Ridge Terrace filed March 16, 1911; filed March 27, 1913, Okd. Panama Lumber & Mill Co vs Oakland Investment Co, J R Elrod, J C and Ellen E O'Connor\$358.11

Oct. 3, 1916—LOT 2 BLK "E" Map Excelsior Heights, Okd. Panama Lumber & Mill Co vs Oakland Investment Co, J R Elrod, J C and Ellen E O'Connor\$619.78

Oct. 3, 1916—LOTS 18 AND 19 BLK "B" Map Broadway Terrace, Okd. Panama Lumber & Mill Co vs Oak-

land Investment Co, J R Elrod, J C and Ellen E O'Connor and Country Club Heights Co.....\$144.11

Oct. 3, 1916—SE BROADWAY 34 NE Taft Ave NE 35xSE 83, Okd. Panama Lumber & Mill Co vs Oakland Investment Co, J R Elrod, J C and Ellen E O'Connor\$103.49

Oct. 3, 1916—LOT 4 BLK "E" Map Excelsior Heights, Okd. Panama Lumber & Mill Co vs Oakland Investment Co, J R Elrod, J C and Ellen E O'Connor.....\$830.01

Oct. 3, 1916—LOT 8 BLK 7 Map Resubdn Blks 9, 10, 11, 12, 13, 14 and Ptn Blk 16 Rock Ridge Terrace, Okd. Panama Lumber & Mill Co vs Oakland Invest Co, J C Elrod, J C and Ellen E O'Connor.....\$526.09

Oct. 3, 1916—PTN LOT 1 Map Rock Ridge Place, Okd. Panama Lumber & Mill Co vs Oakland Invest Co, J C Elrod, J C and Ellen E O'Connor\$231.95

Oct. 3, 1916—LOT 15 BLK 8 A resubdn Blk 8 of that part of Rock Ridge Terrace filed March 16, 1911; filed March 27, 1913, Okd. Panama Lumber & Mill Co vs Oakland Investment Co, J R Elrod, J C and Ellen E O'Connor\$280.22

C and Gordon J Wiser.....\$51.60

Oct. 4, 1916—PTN LOT 7 BLK "U" Revised Map Oakland Heights, Okd. H A F Smith vs H Louise Mayon and C F Fallmer\$35

Oct. 4, 1916—PTN LOT 7 BLK "U" Revised Map Oakland Heights, Okd. H A F Smith vs C F Fallmer...\$100

Oct. 4, 1916—LOT 11 Map Showing Sbdvns Alameda Sugar Company's Fair Ranch, Washington Tp. Fred J Russell vs Tony D Luiz.....\$146.45

SAN JOSE AND THE SANTA CLARA VALLEY

RESIDENCE—2 story and base frame, \$5,000. Salinas, Monterey Co., Cal. Architect, Ralph Wychoff, Watsonville. Owner, M. Mortensen. Will contain eight rooms, bath and sleeping porches. Plans being prepared.

STREET AND SEWER WORK—Cost not stated. Daly City, San Mateo Co., Cal. Engineer, City Engineer, Daly City. Owners, Daly City. Bids will be opened on October 23rd at 8 p. m. for street improvements authorized under the following resolutions: That Alpha avenue, Beta avenue, Como avenue, Lake avenue and Bambetta avenue be graded between the property lines and from the east line of Mission road to the east boundary line of Vista Grande Tract No. 2 and Vista Grande Tract No. 3; also Mission road be graded between the east curb line and the east property line thereof, and from a line 115.31 feet south of the south line of Gambetta avenue, produced, to a line 305.73 feet north from the north line of Alpha avenue, produced. Also that a 4-inch, vitrified, salt-glazed, ironstone pipe lateral sewers, with Y's; cement concrete sidewalks, and combined cement concrete gutters 14 inches wide, and armored concrete curbs be constructed; and an asphaltic concrete pavement, consisting of a 4-inch cement concrete base and 1½ inch asphaltic concrete surface be constructed in the roadway, etc.

STREET AND SEWER WORK—Cost not stated. Daly City, San Mateo Co., Cal. Engineer, City Engineer, Daly City. Owners, Daly City. Bids will be opened on October 23rd for street im-

provements authorized under the following resolutions: That the following portions Bruswick street, Hanover street, Risel street, Bellevue avenue, Frankfort street, Henrietta street, Gutenberg street, Oliver, Whittier, Lowell, etc., be improved by grading; constructing combined cement concrete gutters and armored concrete curbs and cement concrete sidewalks; an asphaltic concrete pavement, consisting of a cement concrete base 4 inches in thickness and an asphaltic concrete wearing surface 1½ inches in thickness, be constructed from gutter line to gutter line; combined sanitary storm water sewers; together with all storm water laterals; brick catch basins and manholes and appurtenances, be constructed of vitrified, salt-glazed, sewer pipe and 4-inch, vitrified, salt-glazed, ironstone pipe lateral sewers with Y's.

SEWER WORK—Cost not stated. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. The City Council has instructed the City Engineer to prepare plans and specifications for a six-inch sewer on Surside avenue, from Pendergast avenue to Delaware avenue, and on that street to Beach curve.

CULVERT—Corrugated iron and concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, City Engineer, Redwood City. Owners, Redwood City. Bids will be opened on October 23rd for culverts authorized under the following resolutions: That 5 inch by 30 inch and 5 inch by 48 inch ten gauge corrugated iron arch culverts with concrete base and Y branches; also 18 inch semi-circular twelve corrugated iron Y branches, etc., be constructed on Whipple avenue, El Camino Real, Rogers street, Hopkins avenue, Brewster avenue, East Brewster avenue, Broadway and Arguello street.

RETAINING WALL—Concrete, \$4,441.50. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. At the last meeting of the County Supervisors, one bid was received for the construction of the retaining walls and concrete bulkheads on the Redwood City to San Gregorio road. William Monk, Sharon Bldg., S. F., submitted a figure of \$4,441.50, which was considerably in excess of the estimate of the engineer. The bid was rejected.

RESIDENCE—3 story and base. Class A construction, \$50,000. Palo Alto, Santa Clara Co., Cal. Architect, Louis Christian Mulgarity, Chronicle Bldg., S. F. Owners, Trustees of Leland Stanford, Jr., University. Bids have been opened for the construction of the three-story Class A residence to be erected on the Campus at Palo Alto for the President, David Starr Jordan. The Dinwiddie Construction Co., Crocker Bldg., S. F., presented the lowest bid at \$92,800 and will probably be awarded the contract although such action has not been taken.

HOTEL ADDITION—2 story and base, reinforced concrete, \$50,000. San Jose, Santa Clara Co., Cal. Architect, William Binder, Rea Bldg., San Jose. Owners, Hotel Montgomery. Location, San Antonio street. New portion of the building will contain sample room, kitchen and a banquet room. Plans are being prepared.

SCHOOL—1 story and base, frame or concrete, \$15,000. Watsonville, Santa

Cruz Co., Cal. Architect, Ralph Wychoff, Watsonville. Will contain three class rooms and a kindergarten department. Figures are to be taken for both concrete and frame construction. Plans complete and figures being taken.

WOMEN'S BUILDINGS—4, 1 or 2 story, concrete. Cost not stated. Palo Alto, Santa Clara Co., Cal. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Trustees of Leland Stanford, Jr., University. The architect has just been commissioned to prepare these plans and details have not been given out. Further mention will be made of the work.

STORES—2 story and base. Class C construction, \$15,000. San Jose, Santa Clara Co., Cal. Architect, William Binder, Rea Bldg., San Jose. Owner Hiram Thompson. Location, South First street. Designed for a cafeteria on the first floor and offices above. Plans complete and figures to be called for shortly.

STORE ALTERATIONS—Brick. Cost not stated. Watsonville, Santa Cruz Co., Cal. Architect, Ralph Wychoff, Watsonville. Owners, Fred & Sanborn Work will consist of new store fronts, tile wainscot and base and terra cotta tile roof. Plans being prepared.

Contracts Awarded.

STREET IMPROVEMENT—\$4,988.21. Salinas, Monterey Co., Cal. Engineer, City Engineer, Salinas. Owners, City of Salinas. Contractor, Dan McCormick, Salinas. Contract price, \$4,988.27.

BRIDGES—Reinforced concrete. Cost as follows. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids have been received and the following contracts awarded for bridges: Montague Road Bridge—John Williams, San Jose (awarded) \$1,570; James Casley, \$1,698; R. H. Jamison, \$1,600; John Doyle, \$1,597; S. Sclarino, \$1,580; Baker & Martin, \$1,925; L. T. McFadden, \$2,399. County Surveyor's estimate, \$1,565.

McKean Road Bridge—John Doyle, 600 north 10th street, San Jose, awarded contract, \$2,650; John Williams, \$2,738; William Martin, \$2,975; S. Sclarino, \$2,850; Baker & Martin, \$4,208. County Surveyor's estimate, \$2,940. All bids for the construction of a drainage ditch were rejected, as the amount asked was nearly twice the amount of the Engineer's estimate.

BANK PROTECTION—\$10,000. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Salinas. Owners, Monterey County. Contractors, Midland Bridge Co., St. Louis, Mo. Contract price, \$10,000.

BRIDGE—Reinforced concrete, \$2,460. Hollister, San Benito Co., Cal. Engineer, County Surveyor W. A. Winn, Hollister. Owners, San Benito County. Contractor, R. B. Williams, Hollister. Contract price, \$2,460.

RESIDENCE—2 story and base, frame, \$5,000. Watsonville, Santa Cruz Co., Cal. Architect, Ralph Wychoff, Watsonville. Owner, C. E. Ford. Contractors, Hamilton & Church, Santa Cruz. Contract price, \$5,000.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME BUILDING
LOS GATOS, CAL. All work for one-story frame building.
Owner.....Oaks Sanitarium, Inc.

Architect...Martin A. Schmidlin, 3115 Jackson, San Francisco.
Contractor...A. H. Wilhelm, 180 Jessie, San Francisco.

Filed Sept. 29, '16. Dated Sept. 26, '16.
Frame up and shingles on.....\$1239
Job accepted 636
Usual 35 days..... 626
TOTAL COST, \$2501

Bond, \$1255. Surety, Maryland Casualty Co. Limit, 35 days after Oct. 3. Forfeit, none. Plans and specifications filed.

SERVICE STATION

SANTA CLARA AND ELEVENTH STS.,
San Jose. All work for service station.

Owner....Associated Oil Co., Sharon Bldg., San Francisco.
Engineer...A. F. L. Bell, Sharon Bldg., San Francisco.

Contractor...Morrison Bros., Santa Clara
Filed Sept. 27, '16. Dated Sept. 14, '16.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, \$1267

Bond, \$650. Sureties, F. N. Wehner and C. A. Morrison. Limit, forfeit, none. Plans and specifications filed.

RESIDENCE

NEAR SARATOGA. Excavation, foundation and concrete work for residence.

Owner.....Charles D. Blaney, Los Gatos Road, Saratoga.
Architect...Willis Polk & Co., Hobart Bldg., San Francisco.

Contractor...Thomas A. Cavanagh, 1134 Irving, San Francisco.
Filed Oct. 2, '16. Dated Sept. 27, '16.
On 15th of each month..... 75%
Usual 35 days, balance..... 25%
TOTAL COST, \$4000

Bond, \$2000. Surety, Royal Indemnity Co. Limit, May 1, 1917. Forfeit, \$10 per day. Specifications only filed.

CARPENTRY WORK ON ABOVE.

Contractor...Thomas A. Cavanagh, 1134 Irving, San Francisco.

Filed Oct. 2, '16. Dated Sept. 27, '16.
Payments same as above.....
TOTAL COST, \$18,814

Bond, \$9500. Surety, Royal Indemnity Co. Limit, May 1, 1917. Forfeit, \$20 per day. Specifications only filed.

FRAME RESIDENCE

MAYFIELD. One-story frame residence.

Owner.....D. O. Lively.
Architect...Henry Shermund, Mills Bldg., San Francisco.

Contractor...Geo. B. Moore, Mayfield.
COST, \$—

FRAME RESIDENCE

LOS GATOS. One-story and basement frame residence.

Owner.....N. A. Anderson.
Architect...W. S. Rhodes, 3372 16th, San Francisco.

Day's work. COST, \$2700

FRAME WARD

COUNTY INFIRMARY SITE, San Jose. One-story frame tubercular ward.

Owner.....Board of Supervisors of Santa Clara County.

Architect...Wm. Binder, Rea Bldg., San Jose.

Contractor...George H. Kemp, 483 Washington, Santa Clara.

COST, \$8255

RELEASE OF LIENS

SANTA CLARA COUNTY.

RECORDED AMOUNT
Sept. 28, 1916—LOT 1 BLK 18, Freyschlag Shdyn, Reed Addition, San Jose. Geo E Lenzen to Frank Peres et al.....\$45.75

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED
Sept. 22, 1916—SANTA CLARA AND 17th Sts., San Jose. American Dairy Co to W R Latta.....Aug. 26, 1916
Sept. 22, 1916—SANTA CLARA AND 17th, San Jose. American Dairy Co to W R Latta.....Aug. 26, 1916
Sept. 23, 1916—PTN LOT 5 BLK 1 Range 5, North San Jose. U A Southeimer and J L Haskins to whom it may concern.....Sept. 23, 1916
Sept. 28, 1916—LOT 6 BLK 1 Roberts Elm Tree Shdyn, San Jose. Carrie M Roberts to whom it may concern.....Sept. 27, 1916
Oct. 2, 1916—MENLO PARK, Page's Mill Road. Mrs Elise A Drexler to Frank H Mowwe.....Sept. 26, 1916

BUILDING CONTRACTS

SAN MATEO COUNTY.

RESIDENCE
LOT 4 BLK 51, Easton Addition No. 5, San Mateo. All work except excavating, grading, cement floor and walks and hardwood floors and finishing attic for one-story basement and attic five-room residence.

Owner.....Alfred O. Ellison.
Architect...None.
Contractor...James Johnston.

Filed Sept. 28, '16. Dated Sept. 6, '16.
Frame up, etc.....\$632
Brown plastered 632
When completed 632
Usual 35 days..... 632
TOTAL COST, \$2528

Bond, \$1262. Sureties, J. H. McCallum and E. O. Benner. Limit, 90 days. Forfeit, \$1 per day. Plans and specifications, none.

Sept. 29, 1916—ALL OF TRACT "A" Ppty of San Carlos Park Syndicate, San Carlos. San Francisco Peninsula Co to Herbert L Hatch.....Sept. 16, 1916
Sept. 30, 1916—PTN LOTS 7 AND 8, 8 and 9, 9 and 10 and 10 and 11 Blk 6, Central Add'n, San Mateo. Peninsula Bldg Co to Croop & Keegan.....Sept. 30, 1916
Oct. 6, 1916—OAK KNOLL MANOR, Redwood City. George H Irving Co to J H Belser.....Oct. 3, 1916

LIENS FILED

SAN MATEO COUNTY.

RECORDED AMOUNT
Sept 23, 1916—BROADWAY & WASHINGTON, Redwood City. A Hess and A E Johnston vs Lydia Dugan and L A Rose.....\$896.30
Sept 30, 1916—BROADWAY & WASHINGTON, Redwood City. Bartholme & Hartmanshinn, \$265.57; Tormey Co, \$110; Tormey Co, \$450; John L Fox Co, \$94.60; J Looney, \$262; C Larson, \$37; F L Maino Co, \$75; The

Simplex Window Co, \$27.40 vs Lydia Dugan and L A Rose.....	
Sept 29, 1916—BROADWAY & WASHINGTON, Redwood City. Edwin B Fox & George W McNulty, \$265.16; Hall Bros, \$183.75; G McElhinney, \$161.50; Swovoda & Marsa, \$140; Fuller & Goepf, \$316.60; Thos H Price Co, \$281 vs Lydia Dugan and L A Rose.....	
Sept 30, 1916—BROADWAY & WASHINGTON, Redwood City. Woods, Huddart & Gunn vs Lydia Dugan and Estate of L A Rose.....	\$235
Sept 29, 1916—BROADWAY & WASHINGTON, Redwood City. George E Whitmore vs L A Rose, Lydia Dugan and A F Swoboda.....	\$341.25
Sept 30, 1916—TRACT "A" San Carlos Park Syndicate, San Carlos. Mervyn Ellwell Co vs San Francisco Peninsula Co.....	\$4673
Sept 29, 1916—BROADWAY & WASHINGTON, Redwood City. Herbert L Hatch vs San Francisco Peninsula Company.....	\$6269.62
Oct 3, 1916—BROADWAY & WASHINGTON, Redwood City. Folsom St. Iron Works vs Lydia Dugan and L A Rose.....	\$259

MARIN, CONTRA COSTA AND SONOMA COUNTIES

STREET IMPROVEMENTS—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be received up to October 16th at 8 p. m. for street work authorized under the following resolution: That Forty-Seventh street, formerly Bay avenue, between the right-of-way of the Southern Pacific Company and Potrero avenue, be graded, curbed, and sidewalked with cement concrete, paved with a pavement consisting of a five-inch cement concrete base and a three-fourths inch paint coat consisting of asphalt, petrolastic cement and rock screenings, corrugated iron and cement concrete culvert with cement concrete portals and wing walls; a twelve-inch corrugated iron pipe culvert, and an eighteen-inch corrugated iron pipe culvert with cement concrete catch basins, a cement concrete wall with galvanized iron pipe railing, six-inch standard vitrified, salt-glazed, sewer pipe with cast iron rims and covers; manholes of brick and concrete with cast iron rims and covers, and parkings with redwood headers, be constructed all as shown on the plans and specifications hereinafter referred to.

STREET PAVING—Cost as follows. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. The Worswick Construction Co., of Fresno, were the only bidders submitting an estimate for the paving of Florida street between Sacramento and Santa Clara streets. Their bid was as follows: (1) Regrading 18,817 square feet, 2c per square foot. (2) Concrete base, 1 inches thick, 20,087 square feet at 8.92c per square foot. (3) Asphaltic concrete surface 1½ inches thick, 20,087 square feet at 3.5c per square foot. (4) Corrugated iron culvert, 6x18 inches with concrete inverts, 124 linear feet at 70c per square foot. (5) Cast iron handholes for culverts, 16x16 inches, two at \$12 each. While no award was made it is expected that the Worswick Co. will be awarded the contract.

ROAD CONSTRUCTION—Cost as follows. Fairfield, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano County. S. S. Abrams, 130 Kearny street, San Francisco, presented the lowest figure for the improvement of about 6,400 feet of the Cordelia road. The work includes concrete curbs and small concrete bridges. His bid was \$14,873, considerably below the next bidder, and he has asked to withdraw. The request is being considered by the Board of Supervisors. Following is a complete list of the bids received: S. S. Abrams, San Francisco, \$11,873; P. H. Hoare, Oakland, \$19,372; Baker & Martin, San Francisco, \$16,840; Whitlock & Gorrell, San Francisco, \$18,450; W. A. Dontanville, Salinas, \$18,352.

STREET IMPROVEMENT—Cost not stated. Rio Vista, Solano Co., Cal. Engineer, City Engineer, Rio Vista. Owners, City of Rio Vista. Bids will be opened on October 16th at 8 p. m. for the improvement of the southwesterly half of Montezuma street from 3rd street to 4th street.

LAYING WATER MAINS—Cost not stated. Rio Vista, Solano Co., Cal. Engineer, City Engineer, Rio Vista. Owners, City of Rio Vista. Bids will be opened on October 19th at 8 p. m. for laying of an 8-inch water main, consisting of approximately 2,900 feet of 8-inch pipe to run from the pump house at the foot of Main street along Main street. Front street, Bruning avenue and the alleys in block 36, to connect with the steel water tower at the head of St. Gertrude's avenue.

STREET IMPROVEMENTS, ETC.—Cost not stated. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Bids will be opened on October 16th at 8 p. m. for the following street improvements: That that portion of Clark St., between San Rafael avenue and Clorinda avenue, be graded and paved with a rock macadam pavement, concrete curb and concrete gutter be constructed on both sides thereof. Also, that three corrugated iron and concrete culverts, and two cast iron manholes, and two cast iron gutter gratings be constructed. For the filling and grading of the San Rafael and San Quentin toll road from the easterly line of Irwin street to the easterly corporate limits. Excavating and cleaning out the Mahon Creek to a bottom width of sixteen wide, slope of 1 in 1. That West End avenue, East street, Jessup street, Harte street and West street be graded and paved with a rock macadam pavement, corrugated iron culverts and catch basins.

SEWER CONSTRUCTION—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. The Raven Company, 909 McDonald avenue, Richmond, being the lowest bidder the City Council awarded them the contract for the following work: That the alley between Bishop avenue and Crest avenue, from the center line of the alley running from Front Ave. to Crest Ave., northeast a distance of 250 feet, a portion of Bishop avenue and Front street, be improved by constructing 8 and 12 and 6 inch, vitrified, salt-glazed sewer pipe, manholes of brick and concrete, lampholes of vitrified, salt-glazed sewer pipe, and Y branches; vitrified, salt-glazed sewer pipe and risers of

vitrified, salt-glazed sewer pipe with bends and tees with cast iron vents and covers, be constructed on said sewers.

RESIDENCES—2, 2 story and base, frame, \$2,000 each. Richmond, Contra Costa Co., Cal. Architect, James T. Narbette, 794 Macdonald avenue, Richmond. Owner Mathew Morton, 16th and Macdonald avenue, Richmond. Location Pennsylvania avenue between 7th and 8th streets. Each dwelling will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,200. Richmond, Contra Costa Co., Cal. Architect, none. Owner, T. E. Taylor, 538 20th street, Richmond. Location, Panama and Roosevelt avenue. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

LODGE HALL—1 story, frame and plaster, \$14,112. San Rafael, Marin Co., Cal. Architect, Charles W. Drysdale, Sharon Bldg., S. F. Owners, San Rafael Elks Hall Association. T. Saywell submitted the lowest bid for this work and will probably be awarded the contract.

RETAINING WALL—Reinforced concrete. Cost not stated. Sausalito, Marin Co., Cal. Architect, none. Owners, City of Sausalito. Bids will be opened on October 16th for constructing a concrete retaining wall in front of the High School building. Plans can be secured from E. E. Wood at the High school.

Contracts Awarded

HIGHWAY IMPROVEMENT—\$14,873. Fairfield, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano County. Contractor, S. S. Abrams, 130 Kearny street, S. F. Contract price, \$14,873.

SEWER CONSTRUCTION—\$9,370.86. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. At the last meeting of the City Council, bids for installing storm sewers on H, D and Bay View streets were opened. The contract was awarded to Baker & Martin for \$9,370.86. The following were the bidders: H. M. Dan, \$9,528.50; A. Ghilotti for part of the work, \$8,795; Carl Erhart, \$15,000; D. C. Church Co., \$26,000; F. S. Strander, \$13,000; E. Mathiesen, \$9,892.50; Wm. B. Hoge, \$11,999; McKay & Lazay, \$12,500.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME FLATS

LOTS 34 AND 35 BLK 58, City of Richmond Tract. Excavating, concrete, cement, brick, carpenter, glazing, electrical, tinning, plumbing, roofing, etc., for two-story frame flats. Owner.....Eunice Whiting, 12th and Nevin, Richmond. Architect.....James I. Narbette, Richmond, Cal.

Contractor.....Norman E. Anderson, 11th and Bartlett, Richmond.

Filed Sept. 15, '16. Dated Sept. 7, '16.

Frame up complete.....\$1018

Enclosed, exterior plaster on and interior plastering completed and ready for standing trim..... 1018

Completed and accepted..... 1018

Usual 35 days..... 1018

TOTAL COST, \$4073

Bond, \$2040. Sureties, A. P. Hill and Carter H. Johnston, Ltd., 10 work-

ing days. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

WENDELL, bet. 27th and Alverado, Richmond. One-story frame cottage. Owner.....Jesse J. Oliviera, 27th and Wendell Sts., Richmond. Architect...None. Contractor...C. Fiorini, 2349 23rd St., Richmond.

COST, \$1432

FRAME COTTAGE

PANAMA AND ROOSEVELT AVES., Richmond. One-story frame cottage. Owner.....T. E. Taylor, 538 20th St., Richmond. Architect...None. Day's work.

COST, \$1200

S-FIFTH, bet. Ohio and Florida Sts., Richmond. One-story frame cottage. Owner.....James Rutherford, 122 S-5th St., Richmond. Architect...None. Contractor...J. A. Pagestrom, 30 9th St., Richmond.

COST, \$1500

FRAME COTTAGE

S-FIFTH ST., bet. Ohio and Florida Sts., Richmond. One-story frame cottage. Owner.....James Rutherford, 122 S-5th St., Richmond. Architect...None. Contractor...J. A. Pagestrom, 30 9th St., Richmond.

COST, \$1500

FRAME COTTAGE

EIGHTH ST., bet. Ripley and Pennsylvania Sts., Richmond. One-story frame cottage. Owner.....Mathew Morton, 10th and MacDonald Ave., Richmond. Architect...J. T. Narbett, 704 MacDonald Ave., Richmond. Day's work.

COST, \$1800

FRAME COTTAGE

PENNSYLVANIA AVE., bet. 7th and 8th Sts., Richmond. One-story frame cottage. Owner.....Mathew Morton, 10th and MacDonald Ave., Richmond. Architect...J. T. Narbett, 704 MacDonald Ave., Richmond. Day's work.

COST, \$1800

FRAME SCHOOL

AVON, Contra Costa County. One-story frame school. Owner.....Avon School District. Architect...None. Contractor...W. H. Ecker, Martinez.

COST, \$2850

FRAME COTTAGE

FOURTH ST., bet. Barrett and Ripley, Richmond. Frame cottage. Owner.....F. W. Juillerat, 562 6th St., Richmond. Architect...None. Day's work.

COST, \$1400

FRAME COTTAGE

LINCOLN ST., bet. 23rd and Rheem, Richmond. Frame cottage. Owner.....Herbert F. Brown, 23rd & Macdonald, Richmond. Architect...None. Contractor...Chris. Lehman, Cr. H. F. Brown, 23rd and Macdonald, Richmond.

COST, \$1500

FRAME COTTAGE

EIGHTH ST., bet. Lucas and Lincoln, Richmond. Frame cottage. Owner.....A. Magnuson, 1942 Pacific Ave., San Francisco. Architect...None. Day's work.

COST, \$1500

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Oct. 4, 1916—SAN ANSELMO, Frederick Croker to J. E. Warner.....
.....Oct. 2, 1916

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED ACCEPTED
Sept. 20, 1916—5.29 ACRES, adjoining property of Eli Hutchinson Pty of Walnut Creek, Cal. N 1 Baldwin to whom it may concern July 20, 1916
Sept. 29, 1916—AVON, at refineries Plant. California Hawaiian Sugar Refining Co to Clinton Constr Co of California.....Sept. 15, 1916
Sept. 29, 1916—AVON, at Companies plant. Associated Oil Co to Ward & Goodwin.....Sept. 23, 1916
Sept. 29, 1916—AVON, Cal., at Company's plant. Associated Oil Co to Atlas Heating & Ventilating Co...
.....Sept. 20, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

STORES—1 story and base, brick. \$10,000. Visalia, Tulare Co., Cal. Architect, none. Owner, Robert Johnson. Visalia. Location, West Main street covering an area of 66 by 127 feet. Plans being prepared.

ROAD CONSTRUCTION — Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. No bids were received by the Kings County Supervisors for the construction of 13 1/2 miles of highway running north and east of Hanford, and known as Highway No. 4, Divisions Nos. 1, 2, and 3. What action will be taken by the County Board is not known at this time, but it is probable that a new call for bids will be issued.

ROAD CONSTRUCTION — \$25,288. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. George S. Benson & Sons, 531 Stinson Bldg., L. A., have been awarded the contract for the construction of division 4, section 1, Rio Bravo-Wasco road by the Board of Supervisors. This firm's bid was for \$25,288 and was recommended by the Kern County Highway Commission. The other bidders for this work were as follows: W. G. Price & Co., \$29,538; Brasher-Burns, \$27,453.20; Highton & Cook, \$29,194; Mesmer & Rice, \$32,502.

RESIDENCE — 2 story and base, frame, \$5,000. Fresno, Fresno Co., Cal. Architect, Ernest Kump, Rowell Bldg., Fresno. Owner, W. H. Kump. Location, Alta Vista Tract. Will contain eight rooms, bath and sleeping porches. Plans complete and work to be done by Day Labor.

RESIDENCE — 2 story and base brick and frame. Cost not stated. Fresno, Fresno Co., Cal. Architects, Crosbie & Judson, Fresno. Owner, F. W. Pusey. Location, 12 miles east of

Fresno. Will contain ten rooms, three baths, and sleeping porch. Concrete swimming pool is also included. Plans complete and figures being taken.

SCHOOL—1 story and base. Class C construction, \$33,000. Modesto, Stanislaus Co., Cal. Architects, De Remer & Hewitt, L. A. Owners, Modesto School District. At the Tuesday night meeting of the board of Education, all bids for the construction of the Class C school building were rejected. Plans will be revised and new figures called. The Board of Education and Architect De Remer will meet Wednesday morning and decide upon what part of the work can best be cheapened and how long it will take to revise the plans. Bids received for the general construction were as follows: Philbrick & Coldin, \$29,896; A. Stevens & Son, \$32,184, and Harvey A. Klyce, \$45,000.

BRIDGE APPROACHES — \$1,095. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractor, J. E. Mitchell, 201 N street, Fresno. Contract price, \$1,095.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, Gustave Peterson, 683 9th avenue, S. F. Location, east 12th avenue north Fulton. Will contain two flats of five and six rooms and bath. Basement garage. Plans complete and work to be done by Day Labor.

SEWER CONSTRUCTION—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be received on October 16th for sewer construction authorized under the following resolution: That 4 and 6 inch sewer, Y branches, etc., be constructed in the alley in block 26, alley in block 314, etc. (The sewer pipe to be of the best quality vitrified, salt-glazed, ironstone pipe.)

DRAINAGE DITCH—\$50,000. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. The County Supervisors at their meeting rejected all bids received for the construction of the drainage canal at Atwater. Many bids were submitted for only parts of the work. One bid was submitted for \$54,701.84 for the job complete. It is very probable that the Board will readvertise for bids.

RESIDENCE — 1 story and base, frame, \$2,000. Fresno, Fresno Co., Cal. Architect, none. Owner, E. S. Kallman, Belmont and West streets, Fresno. Location, Buena Vista Addition. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BATH HOUSE—1 story, frame. Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Location, Beale Park. Plans complete and figures to be opened on October 16th at 3 p. m.

SCHOOL, GYMNASIUM — 1 story, frame, \$5,000. Hanford, Kings Co., Cal. Architects, Glass, Butner & Bowser, Republican Bldg., Fresno. Owners, City of Hanford. Will cover an area of 74 by 100 feet. Plans complete and figure to be called for at once.

STORES—1 story and base, brick. Cost not stated. Dos Palos, Fresno Co., Cal. Architect, Ernest Kump, Itowell Bldg., Fresno. Owner's name not given. Location, Main street, covering an area of 50 by 75 feet. Will contain two stores. Plans being prepared.

APARTMENT HOUSE AND HOTEL—6 or 7 story and base, steel or reinforced concrete. Cost not stated, Fresno, Fresno Co., Cal. Architect, E. Mathewson, Cory Bldg., Fresno. Owner, S. N. Griffith. Location M and Mariposa streets. Only preliminary studies have been made of this project and details of construction cannot be given at this time. Further mention will be made of the work.

REJECT ALL FIGURES FOR MODESTO SCHOOL.

Architect De Remer of Los Angeles Will
Revise Plans and New Figures Will
Be Called.

(By Special Wire)

MODESTO, Stanislaus Co., Cal. —At the Tuesday night meeting of the Board of Education all bids for the construction of the Class "C" School Building, designed by Architects De Remer & Hewitt of Los Angeles, were rejected. Plans will be revised and new figures called.

The Board of Education and Architect De Remer will meet Wednesday morning and decide upon what part of the work can best be cheapened and how long it will take to revise the plans. Bids received for the general construction were as follows: Philbrick & Coidin, \$29,896; A. Stevens & Son, \$32,184 and Harvey A. Kyle, \$45,000.

BUILDING CONTRACTS

FRESNO COUNTY.

BRICK STORES

E 24 FEET LOT 38 BLK 8, Orchard Hill Addition, Fresno. All work for one-story brick stores.

Owner.....H. C. Dunlavy, 705 O St., Fresno.

Architect...Swartz & Swartz, Rowell Bldg., Fresno.

Contractor...S. P. Williams, 3019 McKenzie St., Fresno.

Filed Oct. 3, '16. Dated Sept. 25, '16.

Excavating done	\$300.00
Floor joists in place, rough floor laid and brick walls built scaffold high	300.00
Wall built to roof plate.....	300.00
Brick walls complete, roof on and plumbing roughed in and brown coated	500.00
Completed	689.50
Usual 35 days.....	596.50
TOTAL COST, \$2386.00	

Bond, \$1200. Sureties, E. E. Hall and G. A. Adams. Limit, 35 days. Forfeit, \$10. Plans and specifications filed.

NOTE.—First report Oct. 4, 1916.

LOT 2 Dunbar Tract, Fresno. All work for dwelling and garage.

Owner.....R. G. Randolph, 555 R St., Fresno.

Architect...None.

Contractor...E. P. Smith, 1181 August St., Fresno.

COST, \$3346

LOT 22 BLK 17, Fresno. All work for dwelling.

Owner.....E. W. Rice, 171 Abby St., Fresno.

Architect...None.

Contractor...Dan Blosser, 127 Abby St., Fresno.

COST, \$2000

BRICK SCHOOL

OROSI, Fresno, Cal. All work for one-story brick school.

Owner.....Orosi School District.

Architect...Ernest J. Kump, Rowell Bldg., Fresno.

Contractor...Chase & Sproat, Dinuba, Tulare Co., Cal.

COST, \$25,000

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED

Oct. 3, 1916—LOTS 28 TO 32 BLK 50, Fresno (smoke stack, etc.) Pacific Gas & Electric Co. to whom it may concern.....Sept. 23, 1916

Oct. 3, 1916—LOTS 28 TO 32 BLK 50, Fresno (brick work for drum and boiler). Pacific Gas & Electric Co. to whom it may concern.....Sept. 26, 1916

LOTS 18 AND 19 BLK 2, Buena Vista Addition, Fresno. Dwelling.

Owner.....E. S. Kallman, Belmont & West Sts., Fresno.

Architect...None.

Day's work.

COST, \$2000

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

ROAD WORK—Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. No bids being received by the County Supervisors for repairing the Red Bluff-Harrison Gulch road, the work was ordered done under the Day Labor system in charge of Supervisor Schafer.

ROAD CONSTRUCTION — \$9,000. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. At the last meeting of the San Joaquin County Supervisors, bids were opened for the improvement of the Brookside road from the Lower Sacramento road to the Sargent-Barnhart tract. This is to be improved with gravel and is to be 12 feet wide. Two bids were received and taken under advisement. Cy Moreing & Sons, Commercial and Savings Bank Bldg., Stockton, gave a bid of \$8,861.80, and A. B. Munson & Son, 1130 East Clay, Stockton, made an offer of \$9,041.74.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That 31st street from the north line of B street to the north line of J street, be improved by constructing concrete curb; concrete gutter; grading the space between the property line and curb; constructing concrete sidewalk; 6 and 8 inch, vitrified, ironstone sewer pipe drains; reconstructing two concrete manholes; constructing 11 concrete manholes complete; placing 27 cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; grading the roadway and con-

structing thereon an asphaltic concrete pavement, consisting of hydraulic concrete foundation 4 inches thick; an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between K and L Sts., from the east line of 14th street to the west line of 15th street, be improved by constructing one concrete catch basin; placing 6 linear feet of 8-inch, vitrified, ironstone sewer pipe drain connecting catch basin to sewer; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 6 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGillivray Construction Co.

That the alley first north of 1st avenue in Oak Grove, from the manhole in place in the Lower Stockton road to a point 103 feet west from the center line of East avenue, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; three concrete manholes, placing 58 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer, and doing all necessary excavating and backfilling of trenches. Awarded to W. J. Tobin, 735 Filbert St., Oakland.

That the alley first south of Cypress avenue, from the manhole in place of Lower Stockton road to the intersection of the alley first north of First avenue, in Oak Grove, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with 40 6-inch Y branches; constructing two concrete manholes complete with cast iron curbs and covers, and backfilling the trench. Awarded to W. J. Tobin.

That the alley between First and Second avenues and between Fair Oaks street and Lower Stockton road, in Curtis Oaks, be improved by constructing an 8-inch, vitrified, ironstone pipe sewer; two concrete manholes, placing eighteen 6-inch, vitrified Y branches, one flusher branch complete, and doing necessary excavating and backfilling of trenches. Awarded to W. J. Tobin.

RESIDENCE — 2 story and base, \$3,500. Stockton, San Joaquin Co., Cal. Architect, M. L. Newsom, 1748 Broadway, Oakland. Owner, A. F. Verum. Location, Yosemite Terrace. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor under the direction of W. C. Brown.

FLATS—2 story and base, frame, Cost not stated. Stockton, San Joaquin Co., Cal. Architect, Franklin Warner, San Joaquin Bldg., Stockton. Owner, Peter G. Knutze. Location, Aurora Park and Oak streets. Will contain two flats of four and five rooms. Plans are being prepared.

HOSPITAL CHAPEL, MORGUE AND BOILER ROOM—1 story, frame and concrete, \$8,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, San Joaquin County. Plans for these additions to the San Joaquin County Hospital have been completed and are now out for figures. Bids will be opened on October 20th at 10 a. m.

LODGE HALL—3 story and base, Class A construction, \$200,000. Sacramento, Cal. Architect, R. A. Herold Forum Bldg., Sacramento. Owners,

Sacramento Masonic Hall Association Location, 12th and J streets, covering an area of 100 by 100 feet. Will have two mezzanine floors, giving it a height of practically five stories. Preliminary plans approved and bids to be called before the end of the year.

PASSENGER STATION—1 story and base, stone and concrete, \$17,000. Redding, Shasta Co., Cal. Architect, Architectural Dept. Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Location, Yuba street. Will contain two waiting rooms, baggage rooms and agent's office. Plans being prepared and work may be done by the company under the Day Labor system or by contract.

POST OFFICE—2 story and base brick and stone, \$77,997. Willows Glenn Co., Cal. Architects, Bliss & Paville, Balboa Bldg., S. F. Owners, United States Government. Bids opened in Washington on October 2nd for this building show Welch Bros. & Hannaman, of Kalispell, Mont., low at \$77,997. A complete list of the bids received will be found under the heading of Sacramento and Northern California in this issue.

LIBRARY—1 story, frame. Cost not stated. Bayless School District, Glenn Co., Cal. Architect's name not given. Owners, Glenn County. Bids will be opened on October 20th at 10 a. m. for a small public library. Plans can be secured from the office of the County Clerk.

LIBRARY—3 story and base. Class C construction, \$130,000. Sacramento, Cal. Architect, Loring P. Rixford, Sharon Bldg., S. F. Owners, City of Sacramento. Bids were opened on October 5th for this work and show Knowles & Mathewson, Call-Post Bldg., San Francisco, low on the general construction at \$75,000 and \$99,000. A complete list of the figures will be found under the heading of Sacramento in this issue. A contract has not been awarded.

IRRIGATION FLUME—Reinforced concrete. Cost as follows. Hilt Sag, San Joaquin Co., Cal. Engineer, J. B. Leonard, Rialto Bldg., S. F. Owners, South San Joaquin Irrigation District. Consulting Engineer J. B. Leonard is preparing plans for a large concrete flume to be constructed at Hilt Sag, San Joaquin Co., for the South San Joaquin Irrigation District. Mr. Leonard states that the work will be done by Day Labor under the direction of the irrigation district and will extend over a period of three years. An estimated cost of between \$75,000 and \$85,000 is placed on the work.

STORES—1 story and base, brick, \$6,000. Escalon, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Mr. Irwin. Will contain three small stores. Plans being prepared.

STORE ALTERATION—3 story. Class C construction, \$5,000. Sacramento, Cal. Architect, Albert Lapachet, 110 Sutter street, S. F. Owner, Louis Schindler, leased to the China Toggery. Work will consist of new store fronts, plumbing, painting and interior trim. Plans being prepared.

Contracts Awarded.

ROAD WORK—\$4,800. Redding, Shasta Co., Cal. Engineer, County Surveyor, Redding. Owners, Shasta County. Contractor, Jesse Sutton, Anderson. Contract price, \$4,800.

BRIDGES—Reinforced concrete. Cost as follows. Willows, Glenn Co., Cal. Engineer, County Surveyor, Willows Owners, Glenn County. Contracts for four reinforced concrete bridges to be erected in Glenn County were awarded at today's meeting of the Board of Supervisors, and bids for two other bridges were taken under advisement. Following are the awards made:

Leader Bridge—Ross Construction Co., Forum Bldg., Sacramento, \$2,696.

Cordin Slough Bridge—Teal & Thompson, \$1,300.

Union Bridge—Ross Construction Co., \$1,870.

Reimann Bridge—Manning Bros., General Delivery, San Leandro, and 924 1/2 Jay street, Fresno, \$4,625.

Likennyer and Mason Bridges—Bids for these two bridge were taken under advisement. Manning Bros. presented the low figure.

BRIDGE—Reinforced concrete, \$2,288. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, A. Peter, Oroville. Contract price, \$2,288.

BRIDGES—Reinforced concrete, \$2,365.75. Redding, Shasta Co., Cal. Engineer, County Surveyor Redding. Owners, Shasta County. The Supervisors have let the contract for building two bridges over Griffiths Gulch on the road from Anderson to Olinda to S. Seyerson for \$2,365.75. Other bidders and their bids were: Bolton & Rhyndress, \$3,400; William Stephens, \$3,784; J. T. Black and C. L. Oliphant, \$2,799; T. H. Polk, \$3,949; Rolle Arbuckle, \$2,676.75.

BRIDGES—Reinforced concrete. Cost as follows. Marysville, Yuba Co., Cal. Engineer, County Surveyor, Marysville. Owners, Yuba County. The Supervisors have awarded the contracts for the building of the extensions to the Smith bridge, Joe Losey and Park's Bar bridge to Jenkins & Wells. They will

build the Smith bridge for \$2,188, Park's Bar bridge for \$1,868 and Joe Losey bridge for \$900.

BIDS RECEIVED FOR SACRAMENTO LIBRARY.

All Figures Taken Under Advisement For Three-Story Structure Designed By Architect Loring P. Rixford.

(By Special Wire)

SACRAMENTO, CAL., October 5th, 1916.—Bids were opened today for the construction of the three-story Class "C" library building to be erected at the southwest corner of Ninth and I streets, designed by Architect Loring P. Rixford, San Francisco. Knowles & Mathewson, Call-Post Bldg., San Francisco, presented the lowest bid on propositions 1 and 2 and will probably be awarded the contract although all bids were taken under advisement.

Bids were taken on the following departments of the work: Department 1, general construction, except ornamental terra cotta, structural steel and iron work; Dept. 2, general construction including ornamental terra cotta, structural steel and iron work; Dept. 3, ornamental terra cotta; Dept. 4, structural steel and iron work; Dept. 5, steel book stacks; Dept. 6, shelving and furniture, and Dept. 7, cork carpet and cork base.

Following is a complete list of the bids received:

Bidder	Dept. No. 1	Dept. No. 2
Knowles & Mathewson	\$75,000	\$ 99,000
Caldwell & Son	75,820	98,940
Teichert & Ambrose	78,390	101,790
Clinton Constr. Co.	78 950	.....
Mathews Constr. Co.	81,000	106,237
Wm. Murcell	81,386	.....

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

— ETC. —

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

L. G. Bergren & Son.....	\$1,788	101,472
Sound Con. & Eng. Co.....	\$1,830	105,830
McGillivray Constr. Co.....	\$3,100	105,700
Wm. A. Larkins.....	\$5,995	
C. J. Guth.....		102,322

DEPARTMENT No. 3.

Steiger Terra Cotta Co.....	\$13,550	
Gladding-McBean.....		13,950

DEPARTMENT No. 4

Wm. A. Larkins.....	\$ 9,700	
Palm Iron & Bridge Works.....		9,755
Itakston Iron Works.....		10,950

DEPARTMENT No. 5

Capitol Sheet Metal Works.....	\$12,172	
Smead & Co. Iron Works.....		13,622
M. G. West Co.....		14,288
F. W. Wentworth & Co.....		16,625
J. C. McQuilken.....		15,000

DEPARTMENT No. 6

C. F. Weber & Co.....	\$5,935	
A. J. Forbes & Son.....		4,600
F. W. Wentworth & Co.....		5,475
Mullen Mfg. Co.....		4,100
Rucker-Fuller Desk Co.....		4,198

DEPARTMENT No. 7

D. N. & E. Walter & Co.....	\$2,625	
-----------------------------	---------	--

RECEIVE FIGURES FOR WILLOWS POST OFFICE.

Welch Bros. and Hannamann of Kalispell, Montana, Present Lowest Bid and Will be Awarded Work.

(By Special Wire.)

WASHINGTON, D. C., Oct. 2, 1916—Thirteen sets of figures were received for the construction of the new post office building to be erected at Willows, California. Welch Bros. and Hannamann presented the lowest bid at \$77,997 and will probably be awarded the contract. Following is a complete list of the bids as opened:

Willows Post Office.

Alternate

Caldwell & Son.....	\$79,790	
W. D. Lovell.....		82,960
Campbell Bldg. Co.....	\$1,887	\$74,000
Lange & Bergstrom.....		98,345
Welch Bros & Hannamann, Kalispell, Montana.....		77,997
Sound Constr. Co.....		85,990
J. B. Reite.....		91,897
M. Fisher.....		89,950
Frank Gallagher.....		89,650
Howard S. Williams.....		92,500
Alfred Kohn.....		89,545
Elmer Carlson.....		84,400
Monson Bros.....		87,787

BUILDING CONTRACTS

SACRAMENTO COUNTY.

BRICK STORE

NO. 816 L ST., Sacramento. One-story and basement brick store.

Owner.....Russell Estate, P. A. Gordon, Trustee, 1010 Yale Ave., Sacramento.

Architect...None.

Contractor..Herndon & Finnigan, 914 T St., Sacramento.

COST, \$5600

BRICK STORE

NO. 306 L ST., Sacramento. Two-story brick store and 6 rooms.

Owner.....Jas. Nusbaum, 2627 M St., Sacramento.

Architect...None.

Contractor..Chas. A. Vanina, 2022 M St., Sacramento.

COST, \$4000

ALTERATIONS

NO. 912 THIRD ST., Sacramento. Place on new foundation, two-story dwelling, 2 flats of 7 and 6 rooms moved from No. 1218 10th St.

Owner.....F. W. Wadewitz, 908 S St., Sacramento.

Architect...None.

Contractor..Herndon & Finnigan, 914 T St., Sacramento.

COST, \$1920

ALTERATIONS

NO. 908 S ST., Sacramento. Move and place on new foundation two-story 9-room dwelling.

Owner.....F. W. Wadewitz, Premises.

Architect...None.

Contractor..Herndon & Finnigan, 914 T St., Sacramento.

COST, \$1175

ALTERATIONS

NO. 710 K ST., Sacramento. Raise floor and place store fixtures.

Owner.....G. C. Schindler, 2814 B St., Sacramento.

Architect...None.

Contractor..G. H. Lindall, 1859 Post St., San Francisco.

COST, \$850

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

BRICK STORES AND ROOMS

PTN LOTS 10 AND 12 BLK 39 East of Center St., Stockton. All work for two-story brick stores and rooms.

Owner.....Theodore Koppers, 1230 N. Sutter St., Stockton.

Architect...W. B. Thomas, Yosemite Bldg., Stockton.

Contractor..O. H. Chain, 511 W-Willow St., Stockton.

Filed Sept. 29, '16. Dated Sept. 29, '16.
Second floor on.....\$1655
Building plastered and inside finished..... 1655
Completed and accepted..... 1655
Usual 35 days..... 1655

TOTAL COST, \$6620

Bond, \$3310. Sureties, F. B. Littleton and W. H. Post. Limit, 90 working days. Forfeit, \$5. Plans and specifications filed.

BATH HOUSE

LODI, San Joaquin Co. All work for municipal bath house.

Owner.....City of Lodi.

Architect...None.

Contractor..Philbrick & Colvin.

COST, \$6848

WARD BUILDINGS

COUNTY HOSPITAL SITE, Sacramento. Construct two ward buildings.

Owner.....Sacramento County.

Architect...R. A. Herold, Forum Bldg., Sacramento.

Contractor..Wm. Keating, Forum Bldg., Sacramento.

COST, \$76,077

ELEVATOR

NO. 912 NINTH ST., Sacramento. Install elevator.

Owner.....Blacks Package Co.

Architect...None.

Contractor..Barton & Hite, 1812 L St., Sacramento.

COST, \$1000

BRICK PARTITION

NO. 708 K ST., Sacramento. Brick partition in rear.

Owner.....Ancil Hoffman, Premises.

Architect...None.

Contractor..Wm. Kennedy, 3230 Orange St., Sacramento.

LOS ANGELES AND SOUTHERN CALIFORNIA

BRIDGE—Reinforced concrete, \$11,500. Santa Barbara, Santa Barbara Co., Cal. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. The County Supervisors have rejected the two bids received for the construction of a bridge in Gaviota Canyon. Plans for the structure were prepared by E. H. Flaherty. The engineer's estimate for \$11,500 and the bids were: Boardman Construction Co., \$16,240; Mesmer & Rice, \$15,597. Both bids were rejected and the Supervisors discussed plans for providing a temporary crossing across the creek at this point on the State highway until plans that will bring lower bids are made.

RESIDENCE—2 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architects, Montgomery & Montgomery, Merritt Bldg., L A. Owner's name not given. Location, West Hollywood, covering an area of 100 by 60 feet. Will contain twelve rooms and three baths. Plans being prepared.

RESIDENCE—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, Frederick J. Soper Story Bldg., L A. Owner, G. E. Hagard, 310 South Hill street, L A. Location Brentwood Park. Will contain twenty rooms and six baths. Plans complete and figures to be called for shortly.

HOSPITAL COTTAGE—1 story, frame and concrete. Cost not stated. Patton, San Bernardino Co., Cal. Architect, State Architect George E. McDougall, Sacramento. Owners, State of California. Bids will be opened on October 30th for the construction of this building. Plans can be secured from the State Department of Engineering. An official proposal appears in another column of this issue.

Contracts Awarded.

APARTMENT HOUSE—2 story and base, frame, \$40,000. Los Angeles, Cal. Architects, Taylor Bros., Black Bldg., L A. Owner, Harry J. Benidict. Contractors, Taylor Bros., Black Bldg., L A. Contract price, \$40,000.

PORTLAND AND OREGON

SEWER CONSTRUCTION — \$275,000 Portland, Ore. Engineer, City Engineer, Portland. Owners, City of Portland. City Engineer Dater has completed plans and specifications for the Tanner Creek trunk sewer. The plans call for the reconstruction in a new course of all that part of the big pipe laid 30 years ago from a point of 17th street, 485 feet south of Taylor street, running in a northeasterly direction to the

Willamette at a point near the intersection of Pettysgrove and Front Sts. The new plans call for construction entirely in street area. The big pipe will run along 11th street. The pipe at Taylor and 17th streets will be 6.6 feet wide by 8.5 feet high, and at the point where it discharges into the river it will be 6 feet wide by 12 feet in height. Estimates of cost call for \$273,369.65 for construction and \$13,688.45 for engineering, advertising and inspection, making a total of \$287,058.10. The plans and specifications call for either concrete or cement pipe.

SEATTLE AND WASHINGTON

Contracts Awarded.

TRANSMIT SHED—2 story, frame, \$12,800. Seattle, Wash. Engineer, Port of Seattle Commission. Owners, City of Seattle, Contractors, Harrington-Peters Co., Oriental Bldg., Seattle. Contract price, \$32,800.

NURSES' HOME—1 story and base brick and concrete, \$60,000. Tacoma Wash. Architects, Heath & Gove, National Realty Bldg., Tacoma. Owners, Tacoma General Hospital. Contractor, J. E. Bonnell, 760 Commerce street, Tacoma. Contract price, \$60,000.

CALIFORNIA LEADS IN HIGHWAYS.

That California with her magnificent highway system is a model for other states to follow, and is likely to maintain this lead has been vividly brought to light by researches concerning the good roads of the country made in connection with National Touring Week. The promoters of the great national automobile outing, who in their work had occasion to look carefully into the good road system found that when it came to road preparedness, both in regard to what has been made, and plans for increase of mileage, California heads the list.

California State Highways.

In 1910 the people of California voted \$18,000,000 for a state highway system. Construction of this system was begun in 1912. A report of progress to April 15, 1916, showed the following results:

Miles of road surveyed.....	2,280
Miles of right way secured.....	1,705
Acres of right of way secured.....	13,327
Miles of highway constructed....	1,490
This road mileage is made up of the following types of highway:	
Oiled macadam	129 miles
Concrete pavement.....	933 miles
Asphalt	33 miles
Graded	295 miles

Total1,490 miles

Roads paved by counties and taken over, improved, and maintained by the state, 108 miles.

On April 15, 1916, there was left approximately \$1,900,000 of the original bond issue. This will be used to complete the roads already under contract and for the construction of a few short sections.

As the work has progressed it has become evident that the bonds voted in 1910 would not be sufficient to complete the system contemplated. The legislature at its 1915 session became convinced of this fact and provided for a bond issue of \$15,000,000 to be voted upon at the election in November, 1916.

Of this proposed issue, \$12,000,000 is intended to complete the highway system of main trunk roads and county seat laterals. The \$3,000,000 will be applied on a county aid co-operative basis in the building of greatly needed cross state and other important connecting roads.

The California state highway building is administered by a committee of the advisory board of the department of engineering composed of Messrs. Charles D. Blaney, chairman; Newell D. Darlington, and C. Frank Stern, known as the California highway commission. Austin B. Fletcher, highway engineer, is the executive officer in charge of the work.

California is fortunate in that her system of state highways was begun after the automobile traffic had shown that fast moving traffic was a most important factor to be considered by the road engineer. Her system of state highways is, therefore, speaking in automobile terms, the very latest test and most improved model. As compared with most of the states older in highway building, California has today a "1920" model of state highways while most other states are still repairing their old "1890" or "1900" models and are having all the heavy upkeep that goes with old style roads not suited to modern conditions.

POWER CONTRACT MADE IN TASMANIA.

In previous reports it was forecasted that there would be an extension of the State hydroelectric plant at the Great Lakes. A contract has now been closed between the hydroelectric department and Amalgamated Zinc (Ltd.) of Melbourne, in which the local plant agrees to furnish the company with 4,000 horsepower not later than January 1, 1918.

Amalgamated Zinc (Ltd.) will establish a plant here for the electrolytic treatment of ores. If the process, which is similar to that used by the Anaconda Co. of the United States, is successful, Amalgamated Zinc (Ltd.) can demand an additional 26,000 horsepower from the hydroelectric department, and if power is available, a further 20,000 horse power will be supplied to this company upon request.

The Mount Lyell Mining and Railroad Co. also is negotiating for 25,000 horsepower for treatment of silver-lead ores in the Zeehan field, and the Complex Ores Co. (Ltd.) has contracted for 3,500 horsepower, with an option on an additional 6,500 horsepower for a carbide and ore-treatment plant that will be constructed at Northwest Bay as soon as conditions become more favorable.

Increased Power to Be Offered at Reduced Price.

Amalgamated Zinc (Ltd.) will pay about \$17 per horsepower per annum for the initial 4,000 horsepower and has already paid \$68,121 to the hydroelectric department for the first year's power. In case the zinc company decides to avail itself of the privilege of demanding the large increase in power on which it has an option, the price will be \$9.73 per horsepower per annum.

The Tasmanian Government has offered a tract of land near Hobart to

the zinc company for its plant, but the consent of Parliament is necessary to confirm the offer. It is stated that arrangements can be made for locating the factory elsewhere in case Parliament will not grant this particular tract.

No information is available here as to the size and cost of the initial plant contemplated by the zinc company, but as the power will be available January 1, 1918, and the company will be charged for it whether it is used or not, it is likely that work will be started in the near future. This information will be forwarded as soon as available. Persons interested in this particular phase of the undertaking should note that the company intends to employ in the electrolytic treatment of zinc concentrates the methods employed by the American company mentioned, although it may happen that some minor changes will be necessary to obtain the best results from Australian concentrates.

ISSUE PAMPHLET ON USE OF HYDRATED LIME FOR CONCRETE ROADS.

A discussion of the use of hydrated lime in concrete roads has been issued in pamphlet form by the National Lime Manufacturers' Association of Pittsburgh. No claim is made that the use of the material will prevent or overcome defects in concrete roads built under unfavorable conditions. It is stated, however, that the addition of hydrated lime will, to a great extent, overcome such defects as cracking and soft spots, and will generally improve the durability and wearing qualities of any properly constructed concrete road.

Statements of men of authority in the roads field, who have used hydrated lime, are included in the pamphlet.

EFFECT OF DRY HEAT ON RUBBER INSULATION OF WIRE.

Numerous tests have been made by the United States Bureau of Standards in connection with an investigation to determine the effect of dry heat on the physical properties of the rubber insulation of wire. This work is being carried out in collaboration with the testing department of the Pennsylvania Railroad Co. and other laboratories identified with the American Society for Testing Materials, the object being to develop an accelerated test for insulated wire that will indicate the problem life of the wire insulation under normal service conditions.

MODE ORDERS FOR CALIFORNIA MANUFACTURERS.

"How Easily Big Orders Can Be Obtained by California Factories From the Honorable Julean H. Arnold American Commercial Attache to China and Japan, of the Bureau of Foreign Trade of the United States Department of Commerce, at the weekly luncheon meeting of the Home Industry League of California to be held at the Palace Hotel, on Thursday, September 28th. The kind of goods either grown or manufactured in California for which

there is a great demand in China and Japan,—especially since the long duration of the European war has caused the stored supplies of such goods to be used up in those countries,—will be told in detail by Mr. Arnold. He will also tell of goods made and grown in China and Japan which were exported so extensively before the war to Europe and Australia, there to be used in various manufactures, but which now are a drag in the export markets of China and Japan, and which could be utilized by California factories in turning out more goods at cheaper prices.

The illustrations will be colored stereopticon views the authenticity of which is vouched for by the government of the United States.

At the conclusion of the talk, any questions asked by local manufacturers about the why and wherefores of getting more business from or with China and Japan will be answered by Mr. Arnold. The Home Industry League extends a cordial welcome to all businessmen to come to hear the talk and ask questions affecting their own particular needs, membership in the League not being necessary to business people wishing to attend the regular luncheons.

SACRAMENTO'S GOOD ROADS FACTS.

The bond issue calls for 124.42 miles of road that will cost \$1,750,000. They will be constructed of concrete never less than four inches thick and fifteen feet wide. The wearing surface will be of asphalt.

The bonds are 4½ per cent, 25-year serials.

They will cost \$1.01 per thousand dollars existing valuation per year.

The bulk of the \$1,750,000 will be paid for labor in the construction of the roads and will go for the purchase of the necessities of life from Sacramento County merchants.

The roads will be constructed by the Sacramento County Highway Commission consisting of F. B. McKevitt, George N. Randall and W. S. Carruthers.

R. M. Morton, former Government Engineer who built the San Joaquin County roads and was consulting engineer in the construction of the San Mateo system of highways, will supervise the road construction.

Plans and specifications have been checked up and O. K'd by the County Highway Commission.

No money can be expended except with the authority of the County Highway Commission.

If the bond issue carries Sacramento County will get one hundred cents worth of roads for every dollar expended.

A vote for the bonds is a vote for reduction in the tax levy, because it will eliminate the present expensive system of maintenance.

If the bond issue fails, the construction of the river road alone by direct tax, will boost the tax rate far above what it is at the present time.

CALIFORNIA'S CHANCES IN CHINA.

The great opportunities in China today for selling California cottons, both raw and manufactured, the wonderful chances there today for selling mining, agricultural, electrical and manufacturing machinery made in California

mills, together with an outline description of how easily these opportunities may now be grasped were told in word and picture at the luncheon meeting of the Home Industry League of California at the Palace Hotel yesterday noon by the Hon. Julian Arnold, commercial attache to China of the United States Government Department of Commerce. The value of the talk was evidenced by the fact that all of the hundred members remained until the end although the affair lasted over an hour longer than the time set for adjournment.

"If you want to sell to China today, all you need to do is to write to any of the American consuls there, for the consulates of the United States located in China have become so efficient during the past four years that they are the envy of all the European powers," declared Mr. Arnold. "It is best of course to open up a headquarters of your own over in China, but when that is impracticable on account of the cost, it is safe to trust your business affairs over there to any American firm located in China who is recommended by the department of commerce which has a branch information bureau in San Francisco at the Custom House. While some English and German houses located in China can be trusted to handle American orders with fairness, it is always best to turn them over to an American firm, for various reasons.

"China wants Americans to go over there—they are welcomed everywhere as the best friends China has abroad. No American has ever lost a dollar's worth of property through any of the revolutions—any damage done by troops of either side being rapidly compensated for by the Chinese government. The Chinese will go out of their way to do business in China with an American who goes there with his goods.

"Sending catalogs to China, printed in English, is a waste of American money, although quite a number of United States firms are trying for business there by such absurd means. The goods must be shown the Chinese on their own ground—either by Americans themselves or by men who understand Americanism. A million small marine engines of the kerosene variety are needed in China today; any interested parties can write direct to the American Chamber of Commerce in Shanghai and get reliable information and responsible agents to handle their goods. So badly are American railroads needed in China that hordes of coolies make their living by carrying bales of cotton, weighing as much as 175 lbs., on their own backs a distance of 1600 miles. English firms representing American goods are frequently holding the agencies simply to shelve the American merchandise while really pushing the British; same with the German importing firms. No American need fear so-called 'Japanese Aggression' in China. The Chinese want the American and will give him the preference every time."

BETHLEHEM STEEL EARNINGS.

NEW YORK—The strength of Bethlehem Steel is attributed to assurances that net earnings in the current year will be fully up to the expectations of the management. Earnings since the first of the year, indicate that net

profits for the full year will be \$60,000,000 or more. Of course large sums will be deducted for depreciation and new construction, but there will still remain an enormous surplus. It is estimated that Bethlehem Steel now has on its books a gross business of close to \$250,000,000. This, notwithstanding the fact that it has been working on orders off the books to the extent of approximately \$20,000,000 gross per month. Big earnings for Bethlehem in the first half of next year are now assured. This is in contrast with the feeling in certain quarters early in the year that Bethlehem's prosperity might now extend into the year 1917. Earnings of \$100,000,000 for Bethlehem for the 18 months to end June 30, 1917, is the estimate of the steel man. This would be 3½ times the authorized capital of \$30,000,000 preferred and common.

Bethlehem Steel is now employing in its mills, furnaces, ore properties and various subsidiaries a total of 60,000 men, which is a new high record. Wall street is paying very little attention to talk or a readjustment of Bethlehem's capitalization, now that present market value of the common will soon be covered by actual earnings since the first of last year. The munition tax may cost Bethlehem \$5,000,000 annually, but this amount, while large, is no cause for concern when considered with present earnings.

UNION IRON WORKS.

ALAMEDA—A ship per month for the next three years is to be the shipbuilding output of the Union Iron Works plant on the inner harbor, according to the statement of J. R. Christy before the recent hearing on the estuary bridge matter, and it is announced by officers of that concern that within the next year their working force, now approximately 2,000 men, will be increased to 10,000. Recently acquired ground adjoining the plant of the former United Engineering Works has been fitted for a rolling mill plant by the driving of 7,000 piles and work is now in progress on this plant. Additional ground is to be leased or purchased for further necessary extensions, which are directly connected with the shipbuilding plant, exclusive of the big steel mills project, formal announcement of which is expected soon.

AMERICAN SHIPPING PROSPECTS ON THE PACIFIC.

Notwithstanding the fact that the war has cut down the total shipping of all nations engaged in trans-Pacific trade from 350,000 gross tons to 250,000, and that the American share, at its lowest mark of the past two years, has fallen from 21 per cent to 2 per cent of the total, recent developments have shown that gradually the American flag is returning to the Pacific. A report on these conditions has been published by the Bureau of Foreign and Domestic Commerce.

The report states that the United States has more merchant vessels under construction than any other country in the world, and while the greater part of this new tonnage is not intended for immediate use in the Far East, it is probable that sooner or later some of it will be diverted to that trade.

Whether American shipping will fully regain its former standing on the Pacific cannot now be definitely foretold, but there is no further danger of the flag disappearing in that quarter. The recent purchase of three large ships by the Pacific Mail Steamship Co. marked the turning point. It adds 17,100 gross tons to the 5,000 tons that remained. Prior to the war the total American tonnage engaged in this trade was 80,000 gross tons.

Before the war British shipping represented 39 per cent and Japanese 33 per cent of the total. When our share was at its lowest point, however, British tonnage had fallen off to 30 per cent, Japanese tonnage had increased to 55 per cent of the total, and Dutch shipping had jumped from practically nothing at all to 13 per cent. English tonnage fell from 150,000 gross tons to 84,000 tons, Japanese tonnage increased from 125,000 to 155,000 tons, and the Dutch increased from a negligible quantity to 35,000 tons.

Shipbuilding Activities in Japan and China.

A very interesting section of the report is devoted to shipbuilding activities in Japan and China. Japanese shipyards are taxed to the limit of their capacities. Orders for ships from abroad have been refused, as the yards have booked orders for Japanese ships that will keep them busy for the next two years. The builders, however, are handicapped by a lack of material, and it is an interesting fact that one large shipbuilding company is buying all of its material from this country. Boilers, engines, and other fittings cannot be had at very reasonable prices for they cannot be manufactured at home as cheaply as they can be turned out in the United States and England. But in spite of all handicaps, Japan is losing no time in taking advantage of the present unparalleled opportunities. Purchases of foreign ships have been made at very high prices. The Chinese also are busy in their yards in Shanghai and Hongkong, although badly handicapped by scarcity of materials. One Hongkong company is at work on eight ocean freighters for Norwegian owners.

The new report is entitled "Trans-Pacific Shipping," Miscellaneous Series No. 44, and is the work of Julean Arnold, American commercial attaché at Peking, who has made a very careful study of the recent development of Japanese shipping. Much of the report is devoted to this subject. For the nominal price of 5 cents this bulletin may be obtained from the Superintendent of Documents, Washington, or from the nearest district office of the Bureau of Foreign and Domestic Commerce.

INFANTILE PARALYSIS, DUSTY STREETS AND THE AUTO-MOBILE.

Never has any city experienced such an epidemic of infantile paralysis as that that has afflicted New York this summer, says Engineering and Contracting. Never in the memory of the editor have the streets of New York been so generally dusty as this summer, and never have there been so many effective devices for stirring up the dust. May it not be more than a coincidence that these three conditions are

conjoined — infantile paralysis, dusty streets and automobiles.

Whether the paralysis germ is blown about or not is open to question, but the evidence seems to indicate that it travels through the air. Note, for example, the decrease in the disease following the recent showers.

Infantile paralysis disappears almost entirely in the autumn, and this has been attributed to the fact that its germs are carried by flies or other insects. But flies and insects seem to have remained quite as active as ever, although the number of new paralysis cases has decreased.

Many diseases, such as tuberculosis and "colds" are known to be transmitted on or with dust that is inhaled. Infantile paralysis seems to be carried in a similar manner. In any case, the lesson is apparent: Cities must have cleaner streets.

The rapidly moving automobile has greatly increased the dust nuisance, and, as the number of motor cars is increasing in geometric ratio, the inference is plain that a formidable problem confronts all cities. Before there can be really clean streets there must be more pavements that can be readily cleaned. The old cobble pavement obviously must go, and the old water-bound macadam pavements either must go or be resurfaced with some bituminous compound. In fact every type of pavement that has become worn or pounded into humps and hollows must give way to a smooth, clean pavement.

We believe that, with the general advent of smooth, non-porous pavements, street flushing will be universally demanded as a matter of sanitation.

A ROAD IS NO BETTER THAN ITS BRIDGES.

A highway can be no better than its bridges. A score of years ago when bridges seldom had to bear a greater weight than an occasional two-ton load of hay, light timber construction sufficed for the needs of the day. In those days the sign "Five dollars fine for crossing this bridge faster than a walk," deterred reckless souls who were tempted to trot their horses across the shaking structures.

The problem is a different one today. Heavy automobiles whirling along at a road speed of twenty-five miles an hour do not pause to creep across a bridge on "low." Farm machinery is of increased weight. The heavy motor trucks and the tractors have invaded even the most remote agricultural regions. The tendency is constantly toward increasing weight, larger loads and more speed. This places added burdens on the bridges. Therefore, in progressive communities strong steel and concrete bridges and well-built culverts are being built. A good highway with a poor bridge is as lacking in economy as an excellent piece of machinery with a weak part. The machine is no stronger than its weakest part—the road in the final analysis is no better than its bridges.

The Hon. W. A. McLean, deputy minister of highways of Ontario, has advised the taxpayers of that province to pay for large bridge expenditures by bond issue, so that the burden will be distributed over a number of years. Where there are few bridges and the cost is not great he advocates paying

for them out of the annual tax levy.—Improvement Bulletin.

FOREST NOTES.

An automobile with car wheels is used for fire-fighting purposes on the mountain railroads by the rangers in the Sierra National Forest.

Investigations made by the Forest Service of the wooden piling in wharves about San Francisco Bay have disclosed the fact that the damage done this season by the destructive pile borer, teredo, is apparently much less than usual.

Artificial silk manufactured from wood pulp for which several kinds of California timber are suitable is used annually in this country to the amount of seven billion pounds. It is utilized principally in the manufacture of millinery, sweaters, and hosiery.

In Southern California electric companies and the Forest Service are co-operating in testing out zinc chloride, creosote, crude oil, and their combinations as preservatives for poles.

The relative durability of California commercial timber is being experimented upon at the Forest Service Laboratory, Madison, Wisconsin, in rotting pits. These pits, constructed of cement, are kept in a condition of temperature and humidity most favorable for the development of wood destroying fungi, of which cultures are introduced.

FILING CASE CONTRACT AWARDED.

FAIRFIELD, Solano Co., Cal.—At the last meeting of the Solano County Supervisors The Berger Manufacturing Co. of San Francisco was awarded a contract for furnishing and installing additional document filing cases in the office of the County Clerk on a bid of West & Co., \$375, and the General Fireproofing Co., \$372.

HIG DEMAND FOR MAGNESITE.

A sudden increase in the demand for magnesite has been experienced by the mine operators at Porterville. One of the mines has just secured a contract for two thousand tons while several of the other mines have orders that will keep them busy for several months. Several of the small mines that have been closed down for weeks are opening up again.

COLORING CONCRETE.

You can not use paints or stains, but must use a pure mineral cement color that is free from clay, gypsum and organic matter, says a well-informed contractor.

I recommend the use of an average of 5 lbs. of color to every bag of cement, with the exception of green, in which instance use 7 lbs., and in the case of black use 2 lbs. in 1 to 2½ mix.

I submit, says another, the following formula for coloring cement, which I am sure he will find to be satisfactory, and, I might say, durable. The colors will not fade if the directions are closely followed. These recipes

were given me some years ago, and I find that wherever tried they have proved to be all that was expected of them. The quantities given are per barrel of cement, the coloring matter in each instance being mixed dry with the cement and sand. Caution is given that Venetian red and common lamp-black should not be used, as the color obtained with these materials will run and fade. The various colors and quantities of coloring materials for each barrel of cement are as follows:

For brown, 25 lbs. of best roasted iron oxide; or 15 lbs. to 20 lbs. of brown ochre.

For black, 45 lbs. of manganese dioxide.

For blue, 19 lbs. of ultramarine.
For buff, 15 lbs. of ochre. (This is likely to considerably reduce the strength of the mixture).

For green, 23 lbs. of greenish-blue ultramarine.

For gray, 2 lbs. boneblack.

For red, 22 lbs. of raw iron oxide.

For bright red, 22 lbs. of Pompeian or bright vermillion.

In using coloring matter with concrete, the color should always be mixed with the cement dry, before any sand or water is added. The mixing should be thorough, so that the mixing is uniform in color after this mixing. The combination is treated in the same way as clear cement.—Exchange.

BIG LAKE PROJECT.

The proposition to reclaim 262,000 acres of the Tulare Lake basin and construct a reservoir and canals to hold the lake waters for irrigation purposes, at a cost of \$6,000,000, is being presented to land owners, and after a few more signatures are secured the plan will be presented to the State Reclamation Commission, according to a statement made by A. G. Wishon, general manager of the San Joaquin Light and Power Company, when he returned from the lake to Fresno last week. At present 175,000 acres of the lake bed is under water, and the damage this season was \$2,000,000. The cost of the reclamation project is estimated at \$20 per each acre of land benefited, but more than this amount will be added to the value of the land. It is planned to confine the lake to a reservoir covering 20,000 acres, to lead the water into the reservoir from the various rivers and streams flowing into the lake, and to provide canals to carry off the surplus water.

HISTORY OF CONCRETE-SHIP CONSTRUCTION.

The following statement from the Washington office of The Panama Canal add to information regarding the history of concrete ships which was published in Commerce Reports for September 15, 1916:

In 1910 the Isthmian Canal Commission constructed three concrete barges on the Isthmus for use in supporting the dredging pumps for the hydraulic excavating and pumping plant of the Pacific Division. The first of these barges was launched on April 20, 1910, and the last on August 8 of the same year. The barges were 64 feet long by 24 feet wide, having a depth of 5 feet, 8 inches. In an article which appeared in the Canal Record of February 3, 1910, relative to the proposed construction of these barges, it was stated: "While the construction of barges from concrete is not a new idea, its adaptation is not known to have hitherto been attempted in American engineering. Concrete barges have been successfully used in Italy during the past few years, and recently the use of this material in the construction of floating craft in that country was extended to the building of transfer boats, a type of vessel similar to the New York car ferries. The plans of the Pacific Division barges contain numerous modifications from the Italian type, some to meet local conditions and some because of the continual improvement in concrete construction methods."

PROPOSED IMPROVEMENT OF CHILEAN RIVER PORT.

SANTIAGO, Chile.—A bill for the improvement of the river port of Lebu is under discussion in the Chilean Congress. A recent number of the *Diario Ilustrado* states that Manuel Jervasio Alarcon, resident in London, and Carlos Alarcon have presented a project for the improvement of this port with American capital. The plans have been prepared by Julio Delaunay, and the cost is estimated at approximately \$3,000,000. The port of Lebu is near the Chilean coast and is in the region of important coal mines.

PAPER MILL AT GRAYS HARBOR.

There is no section on the Pacific Coast where a more abundant supply of hemlock, spruce and white fir for pulp and paper making purposes can be more easily secured than at Grays Harbor, Wash. It is rather remarkable that the manufacture of pulp or paper has not been undertaken as every indication, insofar as raw material is concerned, is favorable. The question of a supply of water could probably be solved by tapping the Wiskah and Wynoochee and other river.—The Timberman.

HIGHWAY ACCEPTED.

SACRAMENTO, Cal.—Over twenty-three miles of State Highway in Butte and Monterey counties have been accepted by the State Highway Commission.

The highway accepted in Butte county is 12½ miles between Chico and Nelson.

With the exception of a few small connecting links in various parts of the state, there is no more roadway to be constructed out of the \$18,000,000 bond issue of which remains a little over \$1,000,000.

With the completion of the two new links of highway, a little more than 1500 miles of highway have been built out of the big bond issue. Of this total about 950 miles is in concrete pavement.

Purchase your equipment direct from the manufacturer.

40 per cent Saved

Concrete Mixers.

Pavers.

Asphalt Plants and Tools.

Rollers

Tanden and Macadam

Concrete Carts.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Phone Market 1675 San Francisco

Cut this out and mail to-day

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News

560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 42.

Publication Office,
500 Mission St.

San Francisco, Cal., October 18, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

PYROPHOR is a
Tool Steel which

is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,

San Francisco

Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

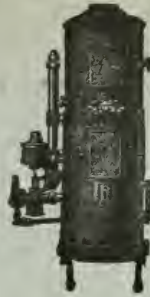
Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

**Automatic
Gas Water Heater**

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Sutter 5231

Member
Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE
68 POST STREET

Foxcroft Building

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 5041

THE

Safe Deposit Vaults

of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

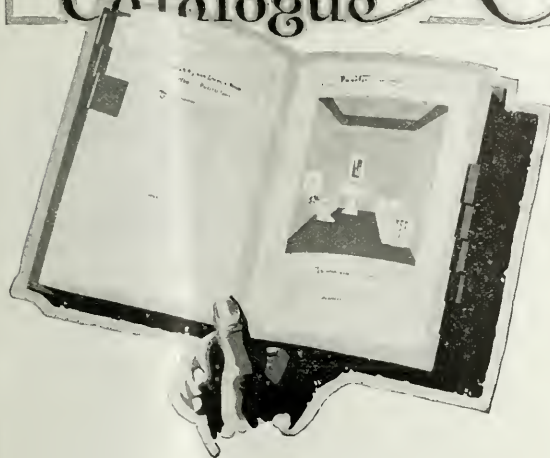
Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Cough and Octavia

SAN FRANCISCO, CAL.

Announcing Catalogue C



Catalogue C is far in advance of any of the plumbing catalogues.

There are a dozen or more new ideas combined in it.

It has every section classified with index tabs on the sides—so you can find what you are looking for in a second.

And its a convenient size—six inches by nine. You'll find Catalogue C invaluable. Drop us a line and we'll mail you a copy.

"Pacific"



Plumbing Fixtures

Main Offices and Showroom,
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. October 18, 1916

Sixteenth Year, No. 42



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,

Publisher and Proprietor.

W. D. Manville, News Editor.

J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	1
Apartment Houses.....	4
Bonds.....	4
Bridges, Dams and Harbor Work.....	3
Editorial Comment.....	3
Factories and Warehouses.....	4-5
Fire Houses and Jails.....	5
Flats.....	5
Fresno, Modesto, Stanislaus and Central California.....	23-24
Garages.....	5
Government Work and Supplies.....	5
Halls and Society Buildings.....	5
Hospitals.....	5
Irrigation and Reclamation Projects.....	5-6
Libraries.....	6
Los Angeles and Southern California.....	25-26
Marin, Contra Costa and Sonoma Counties.....	23
Oakland and Alameda County.....	17-18-19-20-21
Portland and Oregon.....	26
Post Offices.....	6
Power Plants and Water Systems.....	6
Railroad Construction, Stations and Equipment.....	6
Residences.....	6-7
Sacramento, Stockton and Northern California.....	24-25
San Francisco.....	11-12-13-14-15
San Jose and Santa Clara Valley.....	22-23
Schools.....	7
Sealed Proposals.....	9-10
Seattle and Washington.....	26
Sewers and Street Work.....	7-8
Stores and Offices.....	9
Theatres.....	9

CAN MOBILIZE SWISS ARMY IN 30 HOURS.

BY CHARLES EDWARD RUSSELL.

Noted Writer and Economist Touring Europe.

A stirring old picture of life in Switzerland AS IT USED TO BE hangs in one of the galleries at Berne. It shows a village roused at night by the war alarm. The signal is burning on the hundspitz, or alarm station, that overlooks the valley, and the people are rushing from their houses, the men arming themselves as they come.

That was the war summons, right enough, in those days. The moment an invader set foot in the land fires flashed from hill to hill like the fiery cross of Scotland, and the stern Swiss warriors came out to fight.

The mundskitzen are still there, the alarm signal tripod is on each of them, as every traveler knows; and the people, you may say, still sleep on their arms, but other things have changed.

At 10 minutes past midnight on Aug. 1, 1914, the Swiss government, for the first time, sent out the war alarm or fiery cross in its modern shape. It was an order by telegraph mobilizing the Swiss army, and in two hours it had reached every station in the country.

At the word, government officers in every city, town and village went forth to post up the notices prepared for such an emergency, and to notify the people, in some cases with the telephones and in others with the fire engines.

By 6 o'clock the men began to issue from their homes, fully uniformed and fully equipped, each with his rifle. At half past 7 the ranks in the towns and cities were full, every man knowing his place and falling into it automatically. Before 9 o'clock the trains that were ready and waiting on the government railroads began to move the troops toward the frontier.

In the sparsely settled rural regions, where the meeting places were far off, more time was required, but by nightfall 300,000 soldiers were on the border or nearing it, and at 7 o'clock the morning of August 2 practically the entire active army of Switzerland, 100,000 men, was in its positions guarding the boundary lines. A few hours before they had been working in the fields, factories and stores!

This beat all the records of quick mobilization. It beat even the Germans, with all their deserved fame for efficiency and preparation. All the other nations of Europe were mobilizing. NONE OF THEM MOBILIZED SO SWIFTLY AND EFFICIENTLY AS THE SWISS.

Four hundred thousand men, fully equipped, at their posts in 30 hours, was the record of Switzerland.

If I remember rightly, 30,000 men in 30 days was the record of the United

States militia when called by the Mexican crisis.

The 100,000 trained, equipped and efficient troops of Switzerland cost little more than one-half as much as the 30,000 untrained troops of the United States.

Our system, put to the test, FILLED US WITH CHAGRIN AND DISGUST; THE SWISS SYSTEM, PUT TO THE TEST, WORKED WITH THE PRECISION OF A STEAMSHIP'S ENGINES.

It is no wonder that now, when the republic of Colombia wishes to reorganize its army, it sends for Swiss officers to do the job. Artillery, ammunition, transport, commissariat, cavalry, infantry, ready as at the touching of a button. Even the horses and carts had been tagged in the farmers' barns.

"Ah yes—militarism," says some American, as wrapped in self-satisfaction as a turtle in his shell. Ah no! Not militarism. Not in 600 years. There is no militarism in Switzerland—not a particle of it. This is no soil for such a growth. To put militarism on these stiff-necked and independent people that have been free of it for 600 years would be some task. As a matter of fact, complacent American, there is much more of the military caste idea in the United States than there is in Switzerland.

But in Switzerland every citizen of the republic expects to serve her and defend her and that abolishes caste at the same time that it produces THE CITIZEN ARMY. BEST IN THE WORLD.

BIG EXPORT BUSINESS.

WASHINGTON—The export trade shows a trade balance for the first eight months of 1916 of \$1,730,000,000 in favor of the United States, and department officials predict that by the end of the year it will exceed \$2,500,000,000. The total exports amounted to \$3,435,963,212, an increase of \$1,205,052,010 over the same eight months a year ago. The largest gain was in exports to the United Kingdom, which took nearly one-third of all goods exported from the United States in that period. They amounted to \$1,207,751,939, an increase of \$554,000,000 over the same period last year and \$731,000,000 more than the entire fiscal year of 1914. France, the second best customer of the United States, took goods valued at \$541,475,000, an increase of \$211,000,000 over the previous eight months, and \$384,000,000 more than 1914. Canada was third taking \$373,736,569, an increase of \$163,000,000 over the eight months of last year, but only \$29,000,000 more than 1914. Russia in Europe and Asia took \$300,362,626 worth, an increase of \$219,000,000 over the previous eight months' period. Greece imports from the United States amounted to \$23,597,141, compared with \$1,100,000 in the whole fiscal year before the war.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction. Cost not stated. Architect, O. R. Thayer, 240 Montgomery street, S. F. Owner's name withheld. Location, Sutter street. Will contain eighteen apartments of two, three and four rooms. Plans nearly complete.

Contracts Awarded.

LOS ANGELES, CAL.—Apartment house, 2 story and base, frame, \$25,000. Architect, none. Owner, M. M. Olin. Contractors, Taylor Bros., Black Bldg., L. A. Contract price, \$25,000.

BONDS

TRACY, SAN JOAQUIN CO., CAL.—A petition of the land owners of the West Side Irrigation District was presented to the board of directors at a recent meeting, asking them to call an election and submit the question of voting bonds of \$195,000 to be used for the construction of ditches, pumping plant, etc., for the district. After consideration, November 14th was set as the date to hold the election.

RICHMOND, CONTRA COSTA CO., CAL.—The Richmond Water Commission has decided to call a bond issue to finance the Martin water project. As yet, no date for the election has been set.

DUNSMuir, SISKIYOU CO., CAL.—A special election has been called for October 28th for the purpose of determining whether bonds shall be issued and sold in the amount of \$30,000 for building and equipping a modern school building in Dunsmuir.

YREKA, SISKIYOU CO., CAL.—The Trustees of the Siskiyou Union High School have voted to submit the question of a \$50,000 bond issue to the voters of this high school district on November 14th, the purpose of the proposed bonds being the construction of a new high school building to replace the structure recently destroyed by fire.

FRESNO, FRESNO CO., CAL.—An election has been called for the purpose of deciding whether or not Fresno County shall issue bonds for the sum of \$3,500,000 to construct a permanent highway system.

LOS ANGELES, CAL.—Another big irrigation project, which will bring under intensive cultivation 35,000 acres of rich land, is on the eve of coming into active development. This rich area lies in Apple Valley, lying in the southeastern portion of the great Victor Valley district. The irrigation project contemplates the expenditures through a \$3,000,000 bond issue to carry waters from the easterly slopes of the San Bernardino Mountains to these lands. Final signatures have been secured on the petitions for the formation of the Mojave River Irrigation District.

TERRA BELLA, TULARE CO., CAL.—November 13th is the date set by the directors of the Terra Bella Irrigation District at which time the \$600,000 bond issue for improvements will be sold to the highest bidder.

ST. JOHNS, ARIZ.—A movement has been started to vote bonds in the amount of \$15,000, to be held in conjunction with the general election in November, for erecting a court house for Apache County.

SAN DIEGO, SAN DIEGO CO., CAL.—The City Council has called an election for November 20th to vote \$125,000 bonds for constructing water-front improvements at Ocean Beach, consisting of two rock jetties, a concrete pleasure pier, eight timber groins, cement walks and stairs and a comfort station.

WATERFORD, STANISLAUS CO., CAL.—Bids for the \$465,000 bond issue, recently voted by the Waterford Irrigation District were not as high as the directors expected, and it is probable that all will be rejected. A meeting will be held shortly to again consider the bids.

ANDERSON, SHASTA CO., CAL.—An additional bond issue for \$110,000 is being considered by the Board of Directors of the Anderson-Cottonwood Irrigation District. Several hundred thousand dollars are already being invested in improvements in the district.

PIEDMONT, ALAMEDA CO., CAL.—The Board of Trustees has decided on a \$115,000 bond issue for parking improvements.

CHANDLER, ARIZ.—Bonds of \$12,000 have been voted for a new primary school and equipment.

TERRA BELLA, TULARE CO., CAL.—Bids will be received by the Board of Directors of the Terra Bella Irrigation District up to 12 o'clock noon, November 13th, for the purchase of bonds in the sum of \$600,000, funds from which are to be used in the construction of irrigation works.

BRIDGES, DAMS AND HARBOR WORK

RED BLUFF, TEHAMA CO., CAL.—Bridge, timber. Cost not stated. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Bids will be opened on October 25th at 10 a. m. for the construction of a wooden bridge across a slough on the road to the citrus farms in Road District No. 3.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Protection work. Cost not stated. Engineer, County Surveyor, San Bernardino. Owners, San Bernardino County. Bids will be received by the Board of Supervisors up to 11 a. m. of October 30th for the construction of protection work along the Mojave River near Barstow, and for repairs and addition to the bridge now in place at the Barstow Crossing on the Mojave River, in accordance with plans and specifications on file at the office of the Clerk of the Board.

Certified check of 10 per cent required. L. R. Patty is Clerk of the Board.

EUREKA, HUMBOLDT CO., CAL.—Bridge and dike work. Cost as follows. Engineer, County Surveyor, Eureka. Owners, Humboldt County. The County Supervisors received only one bid at their last meeting for the construction of the Ohman Creek bridge that of the Mercer-Fraser Co. First and G streets, Eureka, at \$2,887. By one bid was received for the construction of a dike near Arcata for road purposes at \$1,200, this being submitted by the Suisun Dredging Co. It is probable that the contracts will be awarded to the bidder in each case.

BAKERSFIELD, KERN CO., CAL.—Bridge and culverts. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on November 9th for grading and construction of bridges and culverts on Division 10, Section 3, Bakersfield-Mojave road, being that portion lying between the Keene School and the summit of Old Town grade, length approximately 12.3 miles.

VISALIA, TULARE CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Visalia. Owners, Tulare County. Bids will be received by the Board of Supervisors up to 2 p. m. of October 27th for constructing a reinforced concrete 30-foot bridge across Deep Creek near the Bliss ranch, about 6 miles south of Visalia, in accordance with plans and specifications.

Contracts Awarded

SANTA ROSA, SONOMA CO., CAL.—Bridge and road construction. Cost as follows. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. The Board of Supervisors at their last meeting took the following action on road contracts: D. E. Albers, 175 Ellis street, Santa Rosa, awarded contract for Sausal Creek bridge on his bid of \$1,350. The contract for the construction of the Harbne bridge on the Sebastopol and Fort-stville road was awarded to The Call Construction Co. for \$371.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Steel plant addition, steel and corrugated iron. Cost not stated. Engineer, none. Owners, Pacific Coast Steel Co., Rialto Bldg., S. F. The Pacific Coast Steel Co. will shortly start construction on a large addition to their plant at South San Francisco. A large blooming mill and soaking pit will be the first of the improvements undertaken, and these will be followed later by the construction of a building housing machinery for the manufacture of ship plates. The work will probably be done by Day Labor.

SAN FRANCISCO—Warehouse, 7 story, reinforced concrete. Cost not stated. Architect, not selected. A sale is pending between a company, report-

ed to headed by Capt. John Barneson, Alaska Commercial Bldg., and the present owners of Mission Rock. If the sale is consummated the new owners plan to convert the rock in to a modern terminal warehouse site, and by the construction of a railroad bridge between the present tracks and the rock, unload the largest freighters direct into the cars.

ALAMEDA, ALAMEDA CO., CAL.—Warehouse, 1 story, brick, \$1,500. Architect, none. Owner, Jacob House, 1818 Hearst street, Berkeley. Location, Tunnel street. Plans complete and work to be done by Day Labor.

PETALUMA, SONOMA CO., CAL.—Warehouse addition, 1 story, concrete and frame, \$9,000. Architect, Brainerd Jones, 110 Washington street, Petaluma. Owners, Golden Eagle Milling Co. Building will cover a large ground area. Special machinery to be installed. Plans are being prepared.

PORTLAND, ORE.—Warehouse, 3 story and base, brick and concrete, \$28,000. Architect, Houghtaling & Young, Henry Bldg., Portland. Owners, Rodney L. Glisan, leased to Winston & Haynes Auto Co. Location, northwest 10th and Burnside streets. Will cover a considerable ground area. Plans complete and figures being taken.

Contracts Awarded.

SAN FRANCISCO—Warehouse andactory, 4 story and base, reinforced concrete. Cost not stated. Architect, William H. Crim, Jr., 425 Kearny St., S. F. Owners, United States Envelope Co. Contractor, P. A. Palmer, Monadnock Bldg., S. F. Contract price not stated. Sub contracts will be let.

LOS ANGELES, CAL.—Warehouse, 7 story and base, reinforced concrete. Cost not stated. Architect, none. Owner, Lyon Fireproof Storage Co. Contractors, Richards-Neustadt Construction Co., Wright and Callender Bldg., L. A. Contract price not stated. Building will cover an area of 80 by 80 feet.

FIRE HOUSES AND JAILS

SAN FRANCISCO—Jail and detention home equipment. Cost not stated. Architect, Architectural Department, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on October 20th for furnishing and installing toilet fixtures in the County Jail and for shades for the Juvenile Detention Home.

Contracts Awarded.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Detention addition, 2 story, brick, \$17,277. Architect, Roland P. Sauter, 338 San Marcos street, Santa Barbara. Owners, Santa Barbara County. Contractors, The Kling Co., 613 East 15th street, L. A. Contract price, \$17,277.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, A. Kauffmann. Location, east 5th avenue north Lake. Will contain two flats of eight rooms, two baths and sleeping porch. Basement garage. Plans complete and segregated figures being taken.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$6,000 each. Architect, Edward E. Young, 251 Kearny

street, S. F. Owner, Thomas Scoble, 5445 Geary street, S. F. Location, west Pierce north Sacramento, covering an area of 25 by 32 feet. Each building will contain two flats of five and six rooms and basement garages. Plans complete and work to be done by Day Labor.

GARAGES

SAN FRANCISCO—Auto sales rooms, 3 story and base, reinforced concrete, \$15,000. Architect, W. H. H. Weeks, 75 Post street, S. F. Owner's name withheld. Location, Van Ness avenue near Pine street. Will cover an area of 65 by 100 feet. Plans complete and figures have been taken under advisement.

BERKELEY, ALAMEDA CO., CAL.—Garage, brick and concrete, \$6,000. Architect, F. Holberg Reimers, Acheson Bldg., Berkeley. Owner, A. M. Harvey. Location, Colusa and Solano streets. Garage on first floor and flats above. Plans complete and owner taking figures for all work except brick.

GOVERNMENT WORK & SUPPLIES

Denver, Colo., Mail-Handling Apparatus.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing mail-handling devices in the U. S. post office at Denver, Colo.:

Alvey Ferguson Co., Cincinnati, Ohio, \$7,700; 75 days.

The Lamson Co., Boston, Mass., \$8,448; 120 days.

Standard Store Service Co., Plantsville, Conn., \$11,222; 120 days.

Reclamation Service, Steel Pipes, Etc.

Bids for steel pipes, bronze casting, etc., for north tunnel, Roosevelt Dam, Ariz., were received at the U. S. Reclamation Service, Denver, Colo., as follows:

Item 1, Three bronze inlet castings.

54 in riveted steel pipe $\frac{3}{4}$ in flange steel.

2, 54 in riveted steel pipe $\frac{3}{4}$ in flange steel.

4, 3 54 in cast iron anchor pipes.

Western Pipe and Steel Co., Los Angeles, Cal., item 1, \$900; 2, and 3, \$8,090; 4, \$2,185.

Llewellyn Iron Works, Los Angeles, Cal., item 1, \$1,015; 4, \$2,105.

Puget Sound, Wash., Heating and Power Plant.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for a heating and power plant at the Naval Torpedo Station, Puget Sound, Wash.:

Item 1, heating and power plant complete; 2, do, with bidder's modifications; 3, increase or decrease in price for furnishing a radial brick chimney in lieu of concrete; 4, add or deduct for furnishing boilers as described under paragraph 31 of the specifications; 5, deduct from items 1 and 2 for the omission of the concrete pump well; 6, price for wooden crib; 7, deduct from items 1 and 2 for omitting the 3-inch oil piping connection between wharf and oil tank.

Applying-Griggs Co., 2906 6th avenue, Tacoma, Wash., item 1, \$49,670, 180

days; 6, add \$170; 5, deduct, \$2,100; 6, \$18,670; 7, deduct \$325.

A. P. Bassett Plumbing and Heating Co., Everett, Wash., item 1, \$47,679, 14 months; 5, \$3,000; 6, \$2,365; 7, \$150.

Charles C. Moore & Co., San Francisco, Cal., item 1, \$50,375, 8½ months; 2, \$18,380; 3, add \$200; 5, deduct \$2,457; 6, add \$1,691; 7, deduct \$500.

Stockton, Cal., Repairs and Painting.

The contract for repairs and painting in the U. S. post office at Stockton, Cal., has been awarded to C. A. Towrie at \$289.

The Bureau of Supplies and Accounts, Washington, D. C., will receive bids on October 24th for eight turbine driven blowers for Mare Island and for 216,000 pound of chain for Bremerton.

On October 31st for a turret track turning machine for Mare Island and for an electrically operated refrigerating apparatus for Bremerton. Plans and full particulars can be secured from the Navy Pay Officer at San Francisco, Cal.

HALLS AND SOCIETY BUILDINGS.

SAN FRANCISCO—Association Building, 2 and 6 story and base, Class C construction. Cost not stated. Architect, Lewis P. Hohart, Crocker Bldg., S. F. Owners, Young Women's Christian Association. Location, north Sutter near Mason. Will cover an area of 65 by 120 feet. Designed so that the entire building may be brought up to the height of six stories. Plans being prepared.

VAN NUYS, LOS ANGELES CO., CAL.—Branch City Hall, 2 story and base; brick, \$24,100. Architect, L. J. Backus, Chief Building Inspector, L. A. Owners, City of Van Nuys. Contractors Edwards & Willey Co., L. A., presented the lowest figures for this work at \$24,100. All bids have been referred to Architect Backus.

HOSPITALS

SAN FRANCISCO—Hospital equipment. Cost as follows. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Bids for installing disinfecting and sterilizer in the Central Emergency Hospital were opened by the Board of Public Works at their afternoon meeting. Burnham Plumbing Co. bid \$3,575 and J. E. O'Mara bid \$2,687.

FRESNO, FRESNO CO., CAL.—Hospital addition, 2 story and base, reinforced concrete, \$55,000. Architects, Glass & Butler, Republican Bldg., Fresno. Owners, Fresno County. Location, County Hospital grounds. Will cover an area of 158½ by 55 feet. Plans complete and figures being taken.

IRRIGATION PROJECTS

R. Whitehead of Oakland has applied to the State Water Commission for permission to appropriate 150 cubic feet per second of the waters of Plumas Lake and Feather River, tributary to the Sacramento River, for the purpose of raising rice and other agricultural products. The proposed diversion is in Butte County. A main canal three miles long is a part of the

works, the only data given in the application on the engineering phases. Complete maps will have to be prepared before the application can be further considered by the Commission. The estimated cost of the project is given as \$50,000, and the number of acres to be watered at 6,309.

The Lucerne Water Co., of Montague, Siskiyou County, has applied to the State Water Commission for permission to appropriate 50 cubic feet per second of the waters of Shasta River, tributary to Klamath River, for irrigating 5,000 acres. A dam is proposed to back the water into a sump. A pumping plant at the dam will elevate the water 70 feet above the river through a 40-inch pipe. For the main lift there is proposed a 20-inch pump driven by a 300 h. p. motor, and for the secondary lift a 12-inch pump operated by a 200 h. p. motor. The water will be carried thence 720 feet through a pipe line and a flume 1,170 feet long to the main ditch. The estimated cost of the project is given as \$50,000.

The Mono Canal Company has applied to the State Water Commission for permission to appropriate 750 cubic feet per second of the waters of Rush and Lee Vining Creeks in Mono County, tributary to Mono Lake. No data is given in regard to the engineering phases of the project except to mention that there is a canal 30 miles long. The application states that it is proposed to irrigate 50,000 acres at an estimated cost of \$500,000.

TERRA BELLA, TULARE CO., CAL.—Irrigation project, \$500,000. Engineer, Stephen E. Kieffer, 57 Post street, S. F. Owners, Terra Bella Irrigation District. Bids will be received up to and including 3 p. m. on November 13th for the construction of the first of the Terra Bella Irrigation District, Tulare County, which will include 16 wells and 5 pumping stations.

MODESTO, STANISLAUS CO., CAL.—Irrigation work. Cost not stated. Engineer, Chief Engineer, Modesto. Owners, Modesto Irrigation District. All bids for lining approximately 700 feet of the main canal with concrete were rejected as being too high. Thurston & Co., 57 Post street, S. F., presented the lowest figure as \$6,969. New bids were ordered received up to November 2nd.

Contracts Awarded.

LOS ANGELES, CAL.—Irrigation canals, \$31,525. Engineer's name not given. Owners, Dominguez Estate Co., Title Insurance Bldg., L. A. Contractor, T. J. Shea, 2039 Oxford avenue, L. A., was awarded contract at \$31,525 for constructing 21,000 linear feet of canal starting at Harbor Boulevard, crossing of Nigger Slough and running south to an ocean outlet, to drain 1,800 acres.

LIBRARIES

MADERA, MADERA CO., CAL.—Library heating system. Cost not stated. Architects, Coates & Travers, Rowell Bldg., Fresno. Owners, Madera County. Bids will be opened on October 28th at 10 a. m. for the heating system to be installed in the new library building. Plans can be secured from the architects.

Contracts Awarded.

SACRAMENTO, CAL.—Library, 3 story and base. Class C construction, \$130,000. Architect, Loring P. Rixford,

Sharon Bldg., S. F. Owners, City of Sacramento. Contractors, Knowles & Mathewson, Call-Post Bldg., S. F. general construction except structural steel. Contract price, \$75,000. Bids now being taken for the structural steel and iron.

POWER IMPROVEMENTS

SAN FRANCISCO—Hydrants. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids will be opened on October 27th for furnishing and installing hydrants in the Presidio of San Francisco. Plans can be secured from the office of the Constructing Quartermaster.

LOS ANGELES, CAL.—Power plant project. Cost as follows. Engineer, Public Service Commission, Los Angeles. Owners, City of Los Angeles. The City of Los Angeles Public Service Commission has applied to the State Water Commission for permission to appropriate 10 second feet of the waters of Cartago Creek in Inyo County. The proposed diversion relates to one of the units of the power scheme of the city of Los Angeles. The application sets forth that the applicant proposes to divert the water into the Los Angeles aqueduct, 232 miles long, by means of a concrete flume and gives the estimated cost of the power and aqueduct plants at \$33,000,000.

POST OFFICES

WENATCHEE, WASH.—Post office, 2 story and base, brick and steel. Cost not stated. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be opened on November 10th for the construction of this building. Revised plans are now available from either the Supervising Architect or the Custodian of the site. An official proposal appears in another column of this issue.

RAILROAD CONSTRUCTION AND EQUIPMENT

Contracts Awarded.

VANCOUVER, B. C.—Freight sheds, 1 story, steel and corrugated iron, \$125,000. Engineer, Engineering Department Canadian Northern Railway. Owners, Canadian Northern Railway. Contractors, Nettleton, Bruce & Eschbach, American Bank Bldg., Seattle. Contract price, \$125,000.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, E. J. Spence, 537 25th avenue, S. F. Owner, Mr. Logan. Location, 30th avenue. Will contain six rooms, bath and basement garage. Plans being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architects, Koening & Christiansen, Humboldt Bank Bldg., S. F. Owner, H. C. Christiansen. Location, south Caselli west Dougall. Will contain seven rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$3,500. Architect, none. Owner, C. D. Bevier, 60 Cordova street, S. F. Location, south Athens east Naples. Will contain six

rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, E. J. Spence, 537 25th avenue, S. F. Owner, Martin Brannon. Location, 40th avenue north Fulton. Will contain six rooms, bath and sleeping porch. Plans being prepared.

SAN FRANCISCO—Residences, 2, 1½ story and base, frame, \$2,800 each. Architect, E. J. Spence, 537 25th avenue, S. F. Owner, James Brown and E. J. Spence. Location, 26th avenue. Each house will contain six rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$2,250. Architect, none. Owner, F. C. Bogle, 147 College avenue, S. F. Location, east College north St. Marys. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story, frame, \$3,500. Architect, none. Owner, E. Maasberg, 3915 Greenwood, Oakland. Location, north Fairbanks west Warfield. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$2,500. Architect, W. E. Schirmer, Dalziel Bldg., Oakland. Owner, F. R. Jordan. Location, south Lakeside avenue east Walla Vista. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, D. A. Sinclair, 2828 Prince street, Berkeley. Location, east 38th and Elston. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, A. E. Olson, 2129 Telegraph avenue, Berkeley. Location, Park street north Oregon. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owners, W. and O. Johnson, 3228 Adeline street, Oakland. Location, north Alcatraz avenue east Baker. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, A. T. Anderson, 7325 Lakewood street, Oakland. Location, south Brookdale west Short. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, L. A. Kellogg, 3401 Champion street, Oakland. Location, west Rhoda north Montana. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, William H. Kerrigan, 5153 Shafter avenue, Oakland. Location, east Warfield avenue north Wickson. Will contain seven rooms, bath

and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, south Montana west Curran. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, H. A. Pleitner, 954 Fruitvale avenue, Oakland. Location, north Noble opposite 61st avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,000. Architect, none. Owner, C. J. Pfarr, 5187 Claremont avenue, Oakland. Location, north Lawton avenue west Manilla. Will contain four rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$2,000. Architect, none. Owner, H. S. Butler, 5648 Oak Grove avenue, Oakland. Location, west Miles avenue south Forest. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$20,000. Architects, Schirmer & Bugbee Co., Dalziel Bldg., Oakland. Owner's name withheld. Location, Sequoyah Hill. Will contain fourteen rooms, several baths and sleeping porches. A separate garage and concrete swimming tanks are other features of the plans. Plans are being prepared.

ALAMEDA, ALAMEDA CO., CAL.—Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Owner, G. H. Noble, 2220 Central avenue, Alameda. Locations, 2414 and 2910 Santa Clara avenue. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Seoble, 263 14th avenue, S. F. Location, east 19th avenue south Geary. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1 story and base, frame, \$2,500. Architect, Willis Polk & Co., Hobart Bldg., S. F. Owner, Mrs. Lillian Upton. Location, Edgewood avenue. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, I. W. Button, 367 63rd street, Oakland. Location, east Arbor north Hudson. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN MATEO, SAN MATEO CO., CAL.—Residence, 1 story and base, frame. Cost not stated. Architect, C. S. McNally, 46 Kearny street, S. F. Owners, Mr. and Mrs. Wm. B. Kneass. Location, Hayward Park. Will contain six rooms, bath and sleeping porch. Plans complete and work to be let shortly.

LOS ANGELES, CAL.—Residence, 2 story and base, frame, \$60,000. Archi-

tect, A. B. Benton, 114 North Spruce street, L. A. Owner, Dr. E. A. Bryant. Location, 3210 West Adams street. Will cover an area of 135 by 95 feet and contain 20 rooms, seven baths and sleeping porch. Separate garage. Plans complete and figures being taken.

Contracts Awarded.

LOS ANGELES, CAL.—Residence, 2 story and base, hollow tile. Cost not stated. Architects, The Milwaukee Bldg., Co., Wright and Callender Bldg., L. A. Owner, R. T. Gaffney, L. A. Contractors, The Milwaukee Building Company, Wright and Callender Bldg., L. A. Contract price not stated.

LOS ANGELES, CAL.—Residence, 2 story and base, hollow tile construction, \$50,000. Architects, The Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, D. A. Mizener, 1103 Haas Bldg., L. A. Contractors, The Milwaukee Building Co., Wright and Callender Bldg., L. A. Contract price, \$50,000.

SCHOOLS

BERKELEY, ALAMEDA CO., CAL.—School addition, 1 story, brick, \$14,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Location, Garfield School. The Parents' Association has requested that a one-story addition be constructed at the Garfield School at once to relieve the crowded condition. The City Architect has been instructed to prepare plans and specifications.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—School, 2 story and base, brick and concrete, \$50,000. Architect, W. H. Weeks, 75 Post street, S. F. Owner, South San Francisco School District. A complete list of the bids opened for this building will be found under the heading of San Jose and the Santa Clara Valley in this issue. All bids were taken under advisement and it is generally believed that plans will have to be revised.

SAN CARLOS, SANTA CLARA CO., CAL.—School, 1 story and base, frame, \$15,000. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, San Carlos School District. Preliminary plans are now being prepared for a four-class room school. Two of the rooms will be open air class rooms. Beside the class rooms the plans provide for a library and teachers' room. Further mention will be made of the work.

SAN JOSE, SANTA CLARA CO., CAL.—School addition, frame, \$9,545. Architect, F. G. Aitken, Theatre Bldg., San Jose. Owners, City of San Jose. Charles Thomas, San Jose, presented the low bid for the one-story addition to be made to the Washington School and will probably be awarded the contract on his bid of \$9,545. Bids for the heating and high pressure water system in the High School were taken under advisement.

WATSONVILLE, SANTA CRUZ CO., CAL.—School, 2 story and base, brick and concrete, \$100,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Watsonville Union High School District. Plans are nearly complete and figures will be taken this week for a fourteen class room building. Besides the class rooms there will be a library and large auditorium. Plans can be secured from the architect's office.

PAISLEY, ORE.—School, 2 story and base, concrete and stucco. Cost not stated. Architects, Tourtellotte & Hummel, Rotheild Bldg., Portland. Owners, Paisley School District. Will cover an area of 70 by 108 feet and contain nine class rooms and a large auditorium. Plans being prepared.

Contracts Awarded.

ALAMEDA, ALAMEDA CO., CAL.—School, 2 story and base, brick and concrete, \$65,900. Architects, Cunningham & Polito, First National Bank Bldg., S. F. Owners, City of Alameda. Contractors, Canham & Mulford, 45 Kearny street, S. F. Contract price, \$65,900.

SEWERS, STREET WORK & WATER SYSTEMS

FORT MASON, CAL.—Sewer extension. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Sealed proposals will be received in triplicate for constructing extension to sewer system, Letterman General Hospital, until 11 a. m. October 26, 1916, and then opened. Further information on application.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 20th for street improvements authorized under the following resolutions: For the grading, curbing with redwood, guttering with concrete gutters 3 feet wide, paving with oil macadam and sidewalk with cement sidewalks 6 feet wide, of all that portion of Bissell street that lies north-west of the northwest line of 73rd avenue.

That the portions of 51st avenue in the vicinity of East 10th and East 12th streets be graded, construct redwood curbs, concrete gutters 3 feet wide, pave with oil macadam and construct cement sidewalks 6 feet wide.

Also the crossing or East 10th street with 51st avenue be regraded, re-curbed with redwood, concrete gutters 3 feet wide, paved with oil macadam and sidewalk with cement; a corrugated iron and concrete culvert with two banches be constructed.

SAN LEANDRO, ALAMEDA CO., CAL.—Street improvements. Cost as follows. Engineer, Town Engineer, San Leandro. Owners, Town of San Leandro. Three bids for the contract of bituminizing East Fourteenth street, from the San Leandro bridge to the county limits on the east end of town, were considered at a special meeting of the Town Board Thursday night. The contract will be let at a meeting of the Board Monday night. The bids were as follows: Johnson-Shea Co., Central Bank Bldg., Oakland, \$26,325.60. California Bitulithic Co., 1109 Franklin street, Oakland, \$31,144.35. Ransome-Crummey Co., First National Bank Bldg., Oakland, \$31,490.70.

SAN RAFAEL, MARIN CO., CAL.—Road improvement, \$10,000. Engineer, County Surveyor, San Rafael. Owners, Marin County. Marin County scenic road, the Bolinas-San Rafael highway, is to be made immediately available. The Marin Supervisors have adopted a resolution calling for bids for widening the stretch from the town of Bolinas to the summit of the Bolinas ridge. It is the intention of the Board to widen the road 20 feet. Plans for

the work may be had from the County Clerk.

SAN JOSE, SANTA CLARA CO., CAL.—Resurfacing street, \$3,115. Engineer, City Engineer, San Jose. Owners, City of San Jose. The bid of John W. McDonald, Jr., Bank of Italy Bldg., San Jose, at \$3,115, for resurfacing North First street, from Santa Clara to Saint John, was laid over until the next meeting. It is probable that he will be awarded the contract.

STOCKTON, SAN JOAQUIN CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Bids will be opened on October 20th at 10 a. m. for grading and graveling work and installation of culverts on the Grant Line and Lammers Ferry road, from the intersection of the Grant Line road with the east line of the State highway in Sec. 13, T. 2 S., R. 4 E., M. D. B. and M., east 2,325 feet, thence north on the Lammers Ferry road 9,900 feet.

SONOMA, SONOMA CO., CAL.—Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids were opened by the State Highway Commission for constructing approximately three and one-half miles of highway located in Sonoma County between Sonoma and Cotati, W. C. Price & Co., 211 Clay street, San Francisco, presented the lowest bid at \$12,224.50. A complete list of the bids received will be found under the heading of Marin, Contra Costa and Sonoma Counties.

LONG BEACH, LOS ANGELES CO., CAL.—Drainage system, \$96,000. Engineer, R. V. Pearsall, First National Bank Bldg., Long Beach. Owners, Signal Hill Drainage District. The Signal Hill Drainage District will shortly call for bids for 11,266 feet of 48-inch reinforced concrete pipe to be laid in trench averaging 11.4 feet in depth, 31,000 cubic yards of clay and sand excavation. The pipe will be laid for the greater part below water level. The district embraces about three square miles.

LOS ANGELES, CAL.—Sewer system. Cost not stated. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Bids will be opened on October 23rd at 10 a. m. by the Board of Public Works for the construction of a sewer system in the Florence Avenue Sewer District, involving the following approximate quantities: 122 feet 42-inch concrete or 2-rung common brick, 4,048 feet 38-inch brick or concrete, 3,593 feet 34-inch brick or concrete, 5,433 feet 30-inch brick or concrete, 5,229 feet 26-inch double strength vitrified pipe with 82 20x6-inch T's and 72 20x6-inch Y's, 2,678 feet 18-inch double strength vitrified pipe with 50 18x6-inch T's, 2,654 feet 16-inch vitrified pipe, 1,165 feet 12-inch vitrified pipe, 1,216 feet 8-inch vitrified pipe, 2,427 feet 10-inch cement pipe, 5,677 feet 6-inch house connections with 176 6x4 1/2 inch bends, 25 manholes "B," 15 manholes "C," 5 junction chambers "F," 4 junction chambers "N," 7 drop manholes "S," 22 drop manholes "T," 1 flush tank and 1 flushing manhole "E," 81 manhole cover sets, 205 chimney pipe "R," 165 chimney pipe "D." Total length of sewer 34,245 feet. Plans and specifications are available to contractors at the City Engineer's office.

LOS ANGELES, CAL.—Highway improvement, \$52,112.61. Engineer, County Surveyor, Los Angeles. Owners, Los Angeles County. S. C. Contracting Co., 543 Title Insurance Bldg., Los Angeles, was the lowest bidder at \$52,112.61 for improving 2.21 miles of Beverly road and Scenic road, known as Road Improvement District No. 126, under the 1907 Act. Beverly road will be paved with concrete 18 feet wide, 5 inches thick, surfaced with bituminous wearing coat with 3 1/2-foot oiled shoulders; Scenic road will be graded 16 feet wide.

VENTURA, VENTURA CO., CAL.—Paving. Cost not stated. Engineer, County Surveyor, Ventura. Owners, Ventura County. Bids will be opened on October 28th by the Board of Supervisors for paving of Castitas bridge, La Crosse bridge, Mantalvo bridge extension, Saticoy bridge extension, Sespe bridge and Sespe concrete trestle, according to plans and specifications on file in the office of the County Surveyor. The approximate quantities are 47,798 square feet oil macadam pavement and 11,660 feet B. M., 1x3 O. P. battens. J. R. McCloskey, County Clerk.

OAKLAND, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 26th for street improvements authorized under the following resolution. That cement sidewalks 6 feet wide, where cement or bitumen do not already exist, be constructed on the sidewalks of Seminary avenue, from the northeast line of East 14th street to the southwest line of Foothill Boulevard.

SALINAS, MONTEREY CO., CAL.—Highway improvements. Cost not stated. Engineer, County Surveyor, Salinas. Owners, Monterey County. The County Supervisors at their last meeting approved plans and specifications for the following road work and ordered bids received up to November 6th at 2 p. m. for the construction of a new road in the King City Road District on the Arroyo Seco near Piney Creek; also for the reconstruction of the new road in San Antonio Road District on the Milpitas ranch. Plans for the work and full particulars may be had from the County Clerk.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. After three unsuccessful attempts to secure bids for the construction of the Surfside avenue sewer, the City Council has decided to abandon proceedings on the work. It is probable that the work will now be carried on by Day Labor.

SANTA ROSA, SONOMA CO., CAL.—Road construction, \$9,000. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. The Sonoma County Supervisors at their last meeting rejected the bid of E. T. Stoddard at \$9,750 for the construction of several miles of road in the Austin Permanent Road District. It is probable that new bids will be called.

FRESNO, FRESNO CO., CAL.—Cement. Cost not stated. Engineer, County Surveyor, Fresno. Owners, Fresno County. Bids will be opened on November 6th for furnishing the County of Fresno with 1,890 barrels of

Portland cement, f. o. b. Fowler, Cal., in the original packages, with the brand and name of the manufacturer plainly marked thereon at the time of delivery. Said Portland cement shall conform to the standard specifications for Portland cement adopted by the American Society for Testing Materials, August 16, 1909, and amendments thereto, supplemental and mandatory thereof. If cement is delivered in cloth bags, all such bags to be returned to bidder f. o. b. Fowler, Cal.

BAKERSFIELD, KERN CO., CAL.—Road roller. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on November 8th for furnishing a gasoline road roller. Full particulars from the County Clerk.

CHINO, SAN BERNARDINO CO., CAL.—Street improvement, \$53,715.75. Engineer, City Engineer Paul E. Kressly, Chino. Owners, City of Chino. The California-Arizona Construction Co., 1700 Washington street, L. A., presented the lowest figures for improving streets in Chino. All bids were taken under advisement.

SANTA ANA, ORANGE CO., CAL.—Road improvement, \$16,728. Engineer, County Surveyor, Santa Ana. Owners, Orange County. Brashear-Burns Co., Van Nuys Bldg., L. A., submitted the low bid for about 3 miles of highway improvement and will probably be awarded the contract at the next meeting of the Board of Supervisors.

Contracts Awarded

WOODLAND, YOLO CO., CAL.—Street paving, 12.2 cents per square foot. Engineer, City Engineer, Woodland. Owners, City of Woodland. Contractors, Clarke & Henery Co., Stockton. Contract price, 12.2 cents per square foot.

OROVILLE, BUTTE CO., CAL.—Road improvement, \$5,800. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractors, Hewitt & Felch, Palermo. Contract price, \$5,800.

LOS ANGELES, CAL.—Road improvement, \$52,112.61. Engineer, County Surveyor, L. A. Owners, Los Angeles County. The S.-C. Construction Co., Title Insurance Bldg., L. A., submitted the lowest bid for improvements in Road District No. 126 and will be awarded the contract. Contract price \$52,112.61.

TUCSON, ARIZ.—Highway construction. Cost not stated. Engineer, County Surveyor W. C. Gotz, Tucson. Owners, Nogales County. All bids received for the construction of 17 1/2 miles of highway have been rejected as being above the engineer's estimate. The work will be readvertised. The lowest bid was \$64,221.60.

LOS ANGELES, CAL.—Street improvement, \$29,437.54. Engineer, City Engineer, L. A. Owners, City of Los Angeles. Contractors, Los Angeles Paving Co., 2900 Santa Fe avenue, L. A. Contract price, \$29,437.54.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Street paving, \$26,455.48. Engineer, City Engineer, San Bernardino. Owners, City of San Bernardino. Contractors, Highway Construction Co., First National Bank Bldg., Highland. Contract price, \$26,455.48.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. The City Council has awarded a contract to the Clark & Henery Construction Co. First

Savings Bank Building, Oakland, Oakland, for the following work: That all that portion of Oak street that lies north of the north line of 14th street, and all that portion of Lake street that lies east of the east line of Jackson street, each be graded, curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt; a vitrified pipe conduit, having an internal diameter of 10 inches; two brick storm water inlets and two brick manholes be constructed.

STOCKTON, SAN JOAQUIN CO., CAL.—Highway improvement, \$8,861.80. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, Cy Moreing & Sons, Commercial and Savings Bank Bldg., Stockton. Contract price, \$8,861.80.

VALLEJO, SOLANO CO., CAL.—Sewer construction, \$2,982.55. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Contractors, Worsick Construction Co., Fresno. Contract price, \$2,982.55.

STORES AND OFFICES

SAN FRANCISCO—Stores and offices, 8 to 10 story and base. Class A construction. Cost not stated. Architect not selected. Owners, Matson Navigation Co. The Matson Navigation Co., has purchased the southeast corner of Market and Main streets and will construct a large office building on the site as soon as leases expire, which will be in March, 1917. Mr. Roth, of the Matson Navigation Co., states that as yet no architect has been selected. The building will probably be eight or ten stories in height. Further mention will be made of the work when an architect is selected.

ROSS VALLEY, MARIN CO., CAL.—Stores, 1 story and base, frame. Cost not stated. Architects, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owner, H. S. Scott. Will contain five stores. Plans being prepared.

SEATTLE, WASH.—Stores, 1 story and base, brick and concrete, \$30,000. Architects, Webster & Ford, Lyon Bldg., Seattle. Owners, Frank Ebright & Co., Location, Westlake avenue and Stewart street, covering an area of 150 by 150 feet. Plans being prepared.

Contracts Awarded.

SEATTLE, WASH.—Department store heating, ventilating and plumbing. Cost as follows. Architect, John Graham, Green Bldg., Seattle. Owners, Frederick & Nelson Department Store. Contractors, Rautman Plumbing and Heating Co., Seattle, heating and ventilating. Contract price, \$55,000. P. J. Glennon, Seattle, plumbing. Contract price, \$55,000.

THEATRES.

BERKELEY, ALAMEDA CO., CAL.—Theatre and stores, 2 story and base, Class A and Class C construction, \$100,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, Williamson & Bradshaw, Location, south University avenue west Shattuck avenue. Will contain a large theatre in the Class A portion and stores and offices in the Class C portion. Plans complete and segregated figures being taken.

ENTERPRISE, ORE.—Theatre and stores and offices, 3 story and base,

brick. Cost not stated. Architects, Tourtelotte & Hummel, Rothchild Bldg., Portland. Owner, L. W. Riley. Location, Main and West streets. Besides the theatre and stores the building will be arranged for both offices and apartments. Plans are being prepared.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 6, 1916.—SEALED PROPOSALS will be received in this office until 3 p. m. November 6, 1916, and then opened for furnishing and delivering metal vault shelving for the buildings under the control of the Treasury Department in accordance with drawing attached hereto, and the specification, copies of which may be had at this office. JAMES A. VICT-MORE, Acting Supervising Architect. (*)

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS, in triplicate, for constructing extension to Sewer System, Letterman General Hospital, will be received here until 11 A. M., October 26, 1916, and then opened. Further information on application. (*)

BIDS WANTED FOR SCHOOL FURNITURE.

LAS VEGAS, Nev.—Until noon Oct. 21, bids will be received by the county Board of Education of Clark county for furnishing furniture and equipment, f. o. b. at city nearest possible to Las Vegas, for use in the branch county high school in Bunkerville, including 5 teachers' desks, 10 tables, 12 folding tables, 1 dozen plain oak chairs, 1/2 dozen plain tablet arm chairs, 3 1/2 dozen plain chairs, 6 dozen folding chairs, 2 dozen steel desks, 8 pens, 1 dozen adjustable desks, 2 sections double tier steel lockers, wall type, fibre rug, typewriter stand, 41 window shades, school call clock, blackboard surfaces for 1600 sq. ft. of coats, green, 1 machine, 1 steel filing cabinet for letters, etc. Bids must be marked "Sealed Bids for Furnishing School Furniture," and addressed to MRS. ELLEN CONNELLY, Las Vegas, Nev. Certified check, O. C. Cazal, President; Ellen I. Connelly, Clerk. (*)

CALL FOR BIDS.

OFFICE CONSTRUCTION QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS, in triplicate, for furnishing and installing fire hydrants at Presidio of San Francisco, Cal., will be received here until 11 A. M. October 27, 1916. Further information on application. (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1089 — Proposals for Suction Pipe and Fittings, Bolts, Rivets, Nails, Horseshoes, Toe Caulks, Sheet Copper, Copper Tubing, Sheet Brass, Bronze Bars, Sheet Iron, Banca Tin, Sheet Lead, Solder, Wire, Electric Cable, Electrical Attachments, Telephone Supplies, Wire Molding, Peewax Compound, Twine, Steel Lockers, Drinking Fountains, Cooling Boxes, Showcases, Pipe Extinguishers, Cable Clips, Cable Thimbles, Turnbuckles, Shovels, Wheelbarrows, Jacks, Anchor Lights, Cables, Valves, Ferrules, Wagon Parts, Rubber Tires, Horse Brushes, Manila Rope, Oakum, Leather, Soap, Sol Ammoniac, Acetone, Ultramarine Blue, and Sand Timbers.—Sealed proposals will be received at the office of the general purchasing agent, Fort Mason, San Francisco, D. C., until 10:30 a. m. October 25, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1089) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1088 — Proposals for Two Colliers of 12,000 Tons Cargo Capacity.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. December 1, 1916, at which time they will be opened in public, for furnishing the above mentioned colliers. Blanks and general information relating to this circular (No. 1088) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; or from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Monday October 30, 1916, for the construction of a Cottage No. 16, Southern California State Hospital, Patton, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the entire work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Forum Building, Sacramento, California, and plainly marked on the envelope: "Proposal for Cottage No. 16, Southern California State Hospital, Patton, California."

(SIGNED) W. F. McCLURE, State Engineer. (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1085 — Proposals for Equipment for Hydro-Electric Station, including Penstocks, Water Turbine-Driven Exciter, Power Transformers, Induction Motor-Driven Pumps and Traveling Crane.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. October 30, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1085) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 2, 1916.—Sealed proposals will be opened in this office at 3 p. m. November 10, 1916, for the construction complete of the United States Post Office at Wenatchee, Washington. Drawings and specifications may be obtained from the Custodian of site at Wenatchee, Washington, or at this office, in

the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

PROPOSALS FOR CRANE.

CRANE—Sealed proposals indorsed "Proposals for Locomotive Crane" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. November 11, 1916, and then there publicly opened, for a locomotive jib crane of 50 gross tons capacity at the naval station, Pearl Harbor, T. H. Plan and specification can be obtained on application to the bureau or to the commandant of the naval station named. F. R. HARRIS, chief of bureau.

BEGIN IRRIGATION WORK.

LINDSAY, Cal.—Work has been started by the Lindsay-Strathmore Irrigation district at Exeter. The district's contractors are now hauling and installing redwood pipes to carry the water from Exeter to the Lindsay district where the water will be required for irrigation purposes. A trenching machine will be put to work in a few days.

MADERA TO HAVE OLIVE PLANT.

Plans are being formulated for the construction of a big olive plant that will be built at Madera by the California Associated Olive Growers. The majority of the olive growers in Madera county belong to the association. At present it is necessary to ship the crop for processing.

CONSTRUCTION COMPANY HEADS IN FRESNO.

FRESNO, Cal.—H. V. E. Malcolm, vice-president of the Coast Construction Co., and H. F. Armstrong, head of the office department, arrived from Los Angeles recently and opened offices in the Griffith-McKenzie Building. The company has the contract for the new storm and sanitary sewer.

PROMINENT ARCHITECT PLACED UNDER ARREST.

LOS ANGELES, Cal.—Charles Krueger, prominent architect of Los Angeles, is under arrest here as a result of a request for his detention by the Sheriff of Twin Falls, Idaho. The complaint stated Krueger was wanted in connection with a charge of obtaining a signature to a forged document in which several hundred dollars were involved. Krueger is very well known among Los Angeles architects and has designed a number of large buildings here.

TWOHY DENIES HE WILL BUILD OREGON LINE.

PORTLAND, Ore.—Is the contracting firm of Twohy Brothers Company endeavoring to float a \$2,000,000 bond issue of the old proposed California and Coast Railroad for the purpose of building forty-five miles of road from Wilderville to Waldo, Oregon, in the extension of the railroad from Grant's Pass? Reports current here assert the fact with great positiveness, but John Twohy, from his apartments in the Hotel Biltmore, New York, sends an emphatic denial.

The construction of the road would open up a richly productive country

PIERCE-BOSQUIT Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

that is now undeveloped for lack of rail facilities. Twohy has long been active in promoting the railroad, which originally was projected to run between Grant's Pass and Crescent City, California, a distance of ninety miles.

LIGHTING PROBLEM IS AGITATING SALINAS.

SALINAS, Cal.—The Chamber of Commerce committee on Main street electroliters have met and discussed the new lighting system, its cost, the best way to obtain it, and who should share in its maintenance. Committee members present were J. A. Anderson, chairman; George White, H. L. Burns and Clarence Tynan.

VISALIA'S CITY ENGINEER DIES.

VISALIA, Cal.—Sidney Benton Greeley, former city engineer of Bakersfield, died Tuesday morning at Three Rivers where he had been living for the past 18 months. He was 41 years of age and was considered one of the most capable engineers in the valley.

BANK RESOURCES INCREASE.

SACRAMENTO—The report of State Bank Commissioner, W. E. Williams, for the past 60 days shows that the total resources and liabilities of the 570 banks in California have increased \$17,972,053.

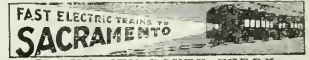
SELMANS OPPOSE GOOD ROAD BONDS.

SELMA, Cal.—A strong organization of taxpayers has been formed at Selma for the purpose of fighting the proposed good roads bond issue of \$3,600,000 in Fresno County.

WORK STARTS ON MILK PLANT.

MODESTO—The first activity on the ground to be occupied by a \$100,000 Borden's Condensed Milk Co. factory was started with the drilling of a 300-foot well from which the water supply for the plant will be secured. Contracts are expected to be let within the next week for the first building of the plant. Arrangements for sewers and switching connections have already been made by Manager C. D. Van Dersen. It

is planned to have the plant built and in operation by January 1. Contracts have been signed with ranchers for the entire milk output of more than 2000 cows and this number will be increased as soon as the factory is opened.



LEAVE KEY ROUTE FERRY.	
Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland, Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2219
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 1731.

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry,
Phone Sutter 2339.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

SEWER EXTENSION—Cost not stated. Fort Mason, Cal. Engineer, Constructing Quartermaster, Fort Mason, Owners, United States Government. Sealed proposals will be received in triplicate for constructing extension to sewer system, Letterman General Hospital, until 11 a. m. October 26, 1916, and then opened. Further information on application.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, E. J. Spence, 537 25th avenue, S. F. Owner, Mr. Logan. Location, 30th avenue. Will contain six rooms, bath and basement garage. Plans being prepared.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, H. C. Christiansen. Location, south Caselli west Dougall. Will contain seven rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$3,500. San Francisco. Architect, none. Owner, C. D. Bevier, 60 Cordova street, S. F. Location, south Athens east Naples. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, E. J. Spence, 537 25th avenue, S. F. Owner, Martin Brannon. Location, 40th avenue near Fulton. Will contain six rooms, bath and sleeping porch. Plans being prepared.

RESIDENCES—2, 1½ story and base, frame, \$2,800 each. San Francisco. Architect, E. J. Spence, 537 25th avenue, S. F. Owners, James Brown and E. J. Spence. Location, 26th avenue. Each house will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$2,250. San Francisco. Architect, none. Owner, F. C. Bogle, 147 College avenue, S. F. Location, east College north St. Marys. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—4 story and base, Class C construction. Cost not stated. San Francisco. Architect, O. R. Thayer, 240 Montgomery street, S. F. Owner's name withheld. Location, Sutter street. Will contain 18 apartments of two, three and four rooms. Plans nearly complete.

STEEL PLANT ADDITION—Steel and corrugated iron. Cost not stated. San Francisco. Engineer, none. Owners, Pacific Coast Steel Co., Rialto Bldg., S. F. The Pacific Coast Steel Co. will shortly start construction on a large addition to their plant at South San Francisco. A large blooming mill and soaking pit will be the first of the improvements undertaken and these will be followed later by the construction of a building housing machinery for the manufacture of ship plates.

This work will probably be done by Day Labor.

WAREHOUSE—7 story, reinforced concrete. Cost not stated. San Francisco. Architect not selected. A sale is pending between a company, reported to be headed by Capt. John Barneson, Alaska Commercial Bldg., and the present owners of Mission Rock. If the sale is consummated the new owners plan to convert the rock into modern terminal warehouse site and by the construction of a railroad bridge between the present tracks and the rock unload the largest freighters direct into the cars.

JAIL AND DETENTION HOME EQUIPMENT—Cost not stated. San Francisco. Architect, Architectural Department, City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on October 26th for furnishing and installing toilet fixtures in the County Jail and for shades for the Juvenile Detention Home.

AUTO SALES ROOMS—3 story and base, reinforced concrete, \$45,000. San Francisco. Architect, W. H. Weeks, 75 Post street, S. F. Owner's name withheld. Location, Van Ness avenue near Pine street. Will cover an area of 65 by 100 feet. Plans complete and figures have been taken under advisement.

FLATS—2, 2 story and base, frame, \$6,000 each. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 5445 Geary street, S. F. Location, west Pierce north Sacramento, covering an area of 25 by 32 feet. Each building will contain two flats of five and six rooms and basement garages. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame. Cost not stated. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owner, A. Kauffmann. Location, east 5th avenue north Lake. Will contain two flats of eight rooms, two baths and sleeping porch. Basement garage. Plans complete and segregated figures being taken.

ASSOCIATION BUILDING—2 and 6 story and base. Class C construction. Cost not stated. San Francisco. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Young Women's Christian Association. Location, north Sutter near Mason. Will cover an area of 65 by 120 feet. Designed so that the entire building may be brought up to the height of six stories. Plans being prepared.

HOSPITAL EQUIPMENT—Cost as follows. San Francisco. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Bids for installing a disinfecting and sterilizer in the Central Emergency Hospital were opened by the Board of Public Works at their afternoon meeting. Burnham Plumbing Co. bid \$3,575 and J. E. O'Mara bid \$3,687.

HYDRANTS—Cost not stated. San Francisco. Engineer, Constructing Quartermaster, Fort Mason, Owners, United States Government. Bids will be opened on October 27th for furnishing and installing hydrants in the Presidio of San Francisco. Plans can be secured from the office of the Constructing Quartermaster.

RESIDENCE—1 story and base, frame, \$2,500. San Francisco. Architect, Willis Polk & Co., Hobart Bldg., S. F. Owner, Mrs. Lillian Upton. Location, Edgewood avenue. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. Location, east 19th avenue south Geary. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

STORES AND OFFICES—6 to 10 story and base. Class A construction. Cost not stated. San Francisco. Architect not selected. Owners, Matson Navigation Co. The Matson Navigation Co. has purchased the southeast corner of Market and Main streets and will construct a large office building on the site as soon as leases expire, which will be in March of 1917. Mr. Roth of the Matson Navigation Co. states that as yet no architect has been selected. The building will probably be eight or ten stories in height. Further mention will be made of the work when an architect is selected.

Contracts Awarded.

WAREHOUSE AND FACTORY—4 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owners, United States Envelope Co. Contractor, P. A. Palmer, Monahock Bldg., S. F. Contract price not stated. Sub contracts will be let.

City Bids Opened.

Bids for installing a disinfecting and sterilizer in the Central Emergency Hospital were opened by the San Francisco Board of Public Works at their Wednesday afternoon meeting. Burnham Plumbing Co. bid \$3,575 and J. E. O'Mara bid \$3,687.

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
2967	Riordan	Bessett	400
2968	Farrish	Nichols	400
2969	Pow Sang	Mowat	400
2970	Hajtuta	Petier	705
2971	Samuelson	Olsen	1800
2972	Same	Same	1800
2973	O'Ryan	McLaughlin	20000
2974	Carey	Wolfender	400
2975	Riesul	Ludwig	400
2976	Anderson	Johnson	2800
2977	Anderson	Johnson	2800
2978	Anderson	Johnson	2800
2979	Franklin	Johnson	16000

2980	S P Co.	McGinn	
2981	Thornton	Davies	3434
2982	City & Co of S F	Burtheall	1295
2983	Same	Warden	14420
2984	Same	Monson	22436
2985	Christiansen	Koenig	3000
2986	Quinn	Hanlon	475
2987	Bevier	Bevier	3500
2988	Costello	Costello	1400
2989	Farren	Farren	400
2990	Reading	Reading	850
2991	Brewer	Brewer	850
2992	Mereseau	Tower	400
2993	Logan	Holm	450
2994	White Lunch	Ostlund	3000
2995	O'Connell	Petersen	4200
2996	City Electric	Jensen	37800
2997	Anderson	Anderson	1200
2998	Korn	Garibaldi	400
2999	Merlo	Garibaldi	2000
3000	Daugers	Cason	9000
3001	Grimes	Mulcahy	2650
3002	Fritschsen	Bergfeld	5100
3003	Basia	Basia	600
2'04	Wilson	Wilson	400
3005	O'Brien	Cummings	1000
3006	Sanders	Ratto	1900
3007	Dent	Phillips	3000
3008	Westphal	Anderson	4000
3009	Winfrey	Born	5000
3010	Crown Oil	Brode	600
3011	Temple Luth Ch	Henricks	450
3012	Torres	Miller	600
3013	Market St. Rlty.	Forbes	16754
3014	Warren	Bloom	900
3015	Laird	Neill	1800
3016	Mills	Mills	2000
3017	Fitch	O'Neill	851
3018	Samanet	Pene	900
3019	Zubac	W'n Hdwd	800
3020	Marquard	Koenig	500
3021	Bossini	Maffei	400
3022	Bogle	Bogle	2150
3023	Peschell	Stock	4500
3024	Allee	Zelinsky	1460
3025	Simmons	Hampton	1161
3026	Hawkins	Bienfeld	18100
3027	Rev	Marbury	1600
3028	Otis	Coast Ref	2261
3029	Levy	Wallen	1224
3030	O'Brien	Piconi	2450
3031	Same	Atlas Hig	900
3032	Same	Ideal Hig	1025

ALTERATIONS

(2967) N HAIGHT 50 E Pierce. Alter store.

Owner.....J. H. Rlordan, 1210 Humboldt, San Francisco.

Architect...None.

Contractor...C. H. Bessett, 343 29th Ave. San Francisco.

COST, \$100

ALTERATIONS

(2965) NO. 43 SIXTH. New front.

Owner.....Mrs. E. Farrish, 151 Sutter, San Francisco.

Architect...None.

Contractor...H. L. Nichols, 1581 Stevenson, San Francisco.

COST, \$400

ALTERATIONS

(2969) NO. 1067 GRANT AVE. Alter market.

Owner.....Pow Sang Co. Premises.

Architect...None.

Contractor...Mowat Refrigerating Co., 2025 Market, S. F.

COST, \$400

ALTERATIONS

(2970) SE HOWARD AND SEVENTEENTH. Alter store.

Owner.....Mrs. J. Hajaiba, 94 Sanchez San Francisco.

Architect...None.

Contractor...F. Fetter, 301 Guerrero, San Francisco.

COST, \$705

FRAME DWELLING

(2971) N BRUNSWICK 130 W Newton.

One and one-half-story and basement frame dwelling.

Owner.....A. M. Samuelson, 3732 21st San Francisco.

Architect...None.

Contractor...H. C. Olsen, 338 Holloway Ave., San Francisco.

COST, \$1800

FRAME DWELLING

(2972) N BRUNSWICK 72 E Curtis

One and one-half-story and basement frame dwelling.

Owner.....A. M. Samuelson, 3732 21st, San Francisco.

Architect...None.

Contractor...H. C. Olsen, 338 Holloway Ave., San Francisco.

COST, \$1800

CHURCH

(2973) W EIGHTH AVE 100 N Geary.

One-story (rear wing) reinforced concrete church.

Owner.....Rev. Father P. O'Ryan, 372 8th Ave., San Francisco.

Architect...Shea & Lofquist, Bankers Invst. Bldg., S. F.

Contractor...J. L. McLaughlin, 244 Kearny, San Francisco.

COST, \$20,000

NOTE:—Foundation in.

FRAME GARAGE

(2974) NW CLEMENT & 14TH AVE.

One-story frame garage.

Owner.....Maurice Carey, Premises.

Architect...None.

Contractor...Geo. Wolfender, 827 Waller, San Francisco.

COST, \$400

ALTERATIONS

(2975) NO. 223 SANSOME. Minor alterations to office.

Owner.....T. C. Kieuslf, 907 Flatiron Bldg., San Francisco.

Architect...None.

Contractor...H. T. Ludwig, 636 Jessie, San Francisco.

COST, \$400

FRAME RESIDENCE

(2976) W FIFTEENTH AVE 125 S Geary.

Two-story and basement frame residence.

Owner.....Jonathan Anderson, 423 16th Ave., San Francisco.

Architect...None.

Contractor...Alfred Johnson, 433 24th Ave., San Francisco.

COST, \$2800

FRAME RESIDENCE

(2977) W FIFTEENTH AVE 150 S Geary.

Two-story and basement frame residence.

Owner.....Jonathan Anderson, 423 16th Ave., San Francisco.

Architect...None.

Contractor...Alfred Johnson, 433 24th Ave., San Francisco.

COST, \$2800

FRAME RESIDENCE

(2978) W FIFTEENTH AVE 160 S Geary.

Two-story and basement frame residence.

Owner.....Jonathan Anderson, 423 16th Ave., San Francisco.

Architect...None.

Contractor...Alfred Johnson, 433 24th Ave., San Francisco.

COST, \$2800

FRAME FLATS

(2979) N PACIFIC AVE 169 E Buchanan E 37-3xN 127-8 1/2.

All work for two-story and basement frame flats.

Owner.....Harry P. Franklin, Care Provident Security Corp., 58 2nd, San Francisco.

Architect...Bernard J. Joseph, 74 New Montgomery, S. F.

Contractor...J. Harold Johnson, 507 15th Ave., San Francisco.

Filed Oct. 9, '16. Dated Oct. 4, '16.

Frame up and walls and roof sheathed.....\$1750

Partitions set, ready for lathing 2000

Lath and plaster done, sash glazed and hung.....1500

Finished pine floors laid, brick veneering and tile work completed in entrance and interior

finish completed.....3000

Completed and accepted.....3750

Usual 35 days.....4000

TOTAL COST, \$16,000

Bond, \$8000. Sureties, H. A. Norman and I. Friedman. Limit, 120 days.

Forfeit, \$10. Plans and specifications filed.

PAVEMENT, ETC.

(2980) ON TWENTY-SECOND, bet. Iowa and Pennsylvania. Install approximately 200 lineal feet concrete curb and 4200 square feet asphalt pavement, 2 catch basins, furnish and install approximately 45 lineal feet 10-in. verified stone pipe culvert.

Owner.....Southern Pacific Co., Flood Bldg., San Francisco.

Architect...None.

Contractor...Geo. W. McGinn & Co., Phelan Bldg., S. F.

Filed Oct. 9, '16. Dated Aug. 14, '16.

Usual 35 days after completed and accepted, all money due.....

TOTAL COST—Concrete curb, 60 cts. per lineal foot; asphalt pavement, 13 1/2 cts. per sq. ft.; pipe, \$1.50 per lineal foot; catch basins, \$50 each.

Bond, \$600. Surety, U. S. Fidelity & Guaranty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(2981) NE LAIDLEY 325 SE Harper St 25xNE 100 Ptn Bk 20, Flint Tst.

All work for two-story and basement frame residence.

Owner.....Frank Thornton, 14th and Treat Ave., S. F.

Architect...Plans by Contractor.

Contractor...Wm. Davies, 536 28th Ave., San Francisco.

Filed Oct. 9, '16. Dated Oct. 6, '16.

Frame up.....\$858

Brown coated.....858

Completed.....858

Usual 35 days.....860

TOTAL COST, \$3413

Bond, none. Limit, 90 days after Oct. 7. Forfeit, none. Plans and specifications, none.

LIGHTING FIXTURES

(2982) WEST MISSION near Otis.

Lighting fixtures for Juvenile Detention Home.

Owner.....City & County of San Francisco.

Architect...Louis C. Mullgardt, Chronicle Bldg., San Francisco.

Contractor...J. W. Burchaell, 357 Ellis, San Francisco.

COST, \$1295

FRAME SCHOOL

(2983) PARKSIDE DISTRICT. All work for one-story frame and plaster school to be known as Parkside School.

Owner.....City and County of San Francisco.

Architect...A. G. Scholz.

Contractor...F. Warden.

COST, \$41,420

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not **FOUR WHEEL DRIVE.**

On the F-W-D Truck every wheel is a **Driving Wheel.** The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;

Salt Lake City

ADDITION

(2984) EIGHTEENTH AND DOLORES
Two-story addition to Mission High
School.

Owner.....City and County of San
Francisco.

Architect...Bureau of Architecture,
City Hall, S. F.

Contractor..Monson Bros., 1907 Bryant
San Francisco.

COST, \$23,136

FRAME RESIDENCE

(2985) S CASELLI 411-8 W Douglass.

Two-story and basement frame residence.

Owner.....H. C. Christiansen, 685 3rd
Ave., San Francisco.

Architect...Koenig & Christiansen,
914 Humboldt Bank Bldg.,
San Francisco.

Contractor..Koenig & Christiansen,
914 Humboldt Bank Bldg.,
S. a Francisco.

COST, \$3000

ALTERATIONS

(2986) NO. 1542 McKINNON AVE.

Raise, underpin and ratproof dwlg.

Owner.....Miss Elizabeth Quinn, 1542
McKinnon Ave., S. F.

Architect...None.

Contractor..Frank I. Hanlon, 1007
Mendell, San Francisco.

COST, \$475

FRAME RESIDENCE

(2987) S ATHENS 140 E Naples. One
and one-half-story and basement
frame residence.

Owner.....C. D. Bevier, 60 Cordova,
San Francisco.

Architect...None.

Day's work. COST, \$3500

FRAME DWELLING

(2988) S ARMY 75 W Bryant. One

and one-half-story and basement
frame dwelling.

Owner.....M. McDonough, 90 St.
Mary's Ave & I, Costello, 93
College Ave., S. F.

Architect...None.

Day's work. COST, \$1400

ALTERATIONS

(2989) NO. 7521 GEARY. Raise and
add two rooms and concrete foundation.

Owner.....James Farren, Premises.

Architect...None.

Day's work. COST, \$100

FRAME DWELLING

(2990) NE ULLA AND TWENTY-

fifth Ave. One-story and basement
frame dwelling.

Owner.....Wm. J. Redding, 1609 Fell,
San Francisco.

Architect...None.

Day's work. COST, \$850

FRAME DWELLING

(2991) S ORD 152 E Levant. One-

story and basement frame dwelling.

Owner.....G. Brewer, 1227 20th Ave.,
San Francisco.

Architect...None.

Day's work. COST, \$850

ALTERATIONS

(2992) NO. 2232 MISSION. Enlarge
store front.

Owner.....F. E. Mereseau, Premises.

Architect...None.

Contractor..Walter Tower.

COST, \$400

ALTERATIONS

(2993) NW VAN NESS AVE AND
Sutter. Alter interior of store.

Owner.....Logan & Cadwalder, 1201
Van Ness Ave., S. F.

Architect...None.

Contractor..Hohn & Merchant.

COST, \$150

ALTERATIONS

(2994) NOS. 44-46 SECOND. Alter
and change interior for restaurant.

Owner.....White Lunch Co., 122
Kearny, San Francisco.

Architect...None.

Contractor..Ostlund & Johnson, 1901
Bryant, San Francisco.

COST, \$3000

FRAME FLATS

(2995) W CHURCH 30 S Liberty 27x
165. All work except excavating,
concrete work and lumber for two-

story frame flats.

Owner.....Dennis O'Connell, 140 Fair
Oaks, San Francisco.

Architect...Plans by Contractor.

Contractor..Elmar Petersen, 3530 23rd,
San Francisco.

Filed Oct. 10, '16. Dated Oct. 9, '16.

Frame up\$1650

Brown coated 1650

Completed 1650

Usual 35 days..... 1650

TOTAL COST, \$4200

Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

SUB-STATION

(2996) N BUSH 68-9 W Grant Ave W
68-9xN 137-6. All work for sub-

station building.

Owner.....City Electric Co., 347
Grant Ave., San Francisco.

Supt.E. W. Beardsley, 347 Grant
Ave., San Francisco.

Contractor..G. P. W. Jensen, 320 Mar-
ket, San Francisco

Filed Oct. 10, '16. Dated Oct. 9, '16.

On 10th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$37,800

Bond, \$20,000. Surety, California Casu-
alty Co. Limit, 100 days. Forfeit, \$25.

Plans and specifications filed.

FRAME RESIDENCE

(2997) W HARRISON 200 S Precita.
One-story and basement frame resi-

dence.

Owner.....Mrs. Anna A. Anderson,
3887 20th, San Francisco.

Architect...None.

Contractor..Martin N. Anderson, 3857
20th, San Francisco.

COST, \$1260

ALTERATIONS

(2998) SW GEARY AND SCOTT. Alter
stores.

Owner.....Eugene Korn, 15 Kearny,
San Francisco.

Architect...None.

Contractor..Camp & Carillon, 110 Jes-
sie, San Francisco.

COST, \$400

FRAME FLATS

(2999) S PFEIFFER 180 W Grant
Ave. Two-story and basement frame

(2) flats.

Owner.....Natale Merlo, 298 Goet-
tingen, San Francisco.

Architect...Louis Mastropasqua, 550
Washington, S. F.

Contractor...O. Garibaldi, 14 Crane,
San Francisco.

COST, \$3000

FRAME RESIDENCE

(3000) N JACKSON 34 W Lyon. Two-

story and basement frame residence.

Owner.....D. Daugers, Petaluma, Cal.

Architect...None.

Contractor..Cleeve Carson & Son, 215
32nd Ave., San Francisco.

COST, \$9000

BRICK STORAGE

(3001) S MINNA 320 E Sixth. One-

story brick storage.

Owner.....S. T. Grimes.

Architect...T. J. Maas.

Contractor..Thos. F. Mulcahy, 180 Jes-
sie, San Francisco.

COST, \$2650

FRAME STORE AND FLAT

(3002) W MISSION 25 S Brook. Two-

story and basement frame store and
flat.

Owner.....J. Fritzschien, 3544 Mission
San Francisco.

Architect...None.

Contractor..H. H. Bergfeld, 496 Utah,
San Francisco.

COST, \$3400

EXCAVATE, ETC.

(3003) W GRANT AVE 42 N Pacific.
Excavate and concrete work for store

Owner.....Wm. Basia, 2053 Bush,
San Francisco.

Architect...P. Righetti, 663 Phelan
Bldg., San Francisco.

Day's work. COST, \$600

REPAIRS

(3004) NO. 3564 EIGHTEENTH. Re-
pair fire damage.

Owner.....Ida Wilson, Premises.

Architect...None.

Day's work. COST, \$400

REPAIRS

(3005) NO. 3002 JACKSON. Repair
residence.

Owner.....Gertrude O'Brien, 246
Motgomery, S. F.

Architect...None.

Contractor..Geo. A. Cummings, 161 4th
Ave., San Francisco.

COST, \$1000

ALTERATIONS

(3006) E SEVENTH 193 S Howard.
Alter planing mill.

Owner.....Louis Sanders, Golden Gate
and Van Ness, S. F.

Architect...None.

Contractor..A. Ratto, 232 Hartford,
San Francisco.

COST, \$1000

FRAME FLATS

(3007) N ANZA 574 W Twenty-

second Ave. Two-story and basement
frame (2) flats.

Owner.....Charlotte Dent, 1915-A
Divisadero, S. F.

Architect...None.

Contractor..J. H. Phillips, 228 23rd
Ave., San Francisco.

COST, \$3000

FRAME STORES

(3008) SW POLK AND PACIFIC. One-

story frame stores.

Owner.....C. H. Westphal, San Mateo.

Architect...None.

Contractor..Gustave Anderson, 2330
24th, San Francisco.

COST, \$4000

FRAME DWELLING

(3009) LOT 12, Ashbury Terrace. Two story and basement frame dwelling. Owner.....V. U. Winfrey, 660 Market, San Francisco. Architect...None. Contractor...S. A. Born Bldg. Co., 660 Market, San Francisco. COST, \$5000

SUPPLY STATION

(3010) SE GOLDEN GATE AVE AND Larkin. One-story steel frame supply station. Owner.....Crown Oil Co., 247 Golden Gate Ave., S. F. Architect...None. Contractor...Brode Iron Works, 37 Hawthorne San Francisco. COST, \$600

MOVE CHURCH

(3011) SE BAY VIEW AND LATONA. Move church, brick foundation, etc. Owner.....Temple Lutheran Church, Premises. Architect...None. Contractor...Henry Henricks, Quesada and Bay View, S. F. COST, \$150

ALTERATIONS

(3012) NO. 2008 RANKIN. Raise and alter dwelling. Owner.....C. Torres. Architect...None. Contractor...Wm. Miller, 49 Park, S. F. COST, \$600

EXCAVATION, ETC.

(3013) SW FOURTH AND MARKET S 170x E 100. Excavation, footing and retaining walls in concrete for building. Owner.....Market Street Realty Co. Architect...Alfred H. Jacobs, 110 Sutter, San Francisco. Contractor...Richard J. H. Forbes, Monadnock Bldg., S. F. Filed Oct. 11, '16. Dated Oct. 10, '16. Excavation completed and concrete footings ready for cast iron bases\$900.00 On completion 3565.50 Usual 35 days 4188.50 TOTAL COST, \$16,754.00 Bond, \$16,754. Surety, London & Lancashire Indemnity Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(3014) W TWENTY-FIRST AVE 175 S Santiago. One-story and basement frame dwelling. Owner.....Mrs. A. Warren, 131 34th Ave., San Francisco. Architect...None. Contractor...Reinstadler & Bloom, 112 Church, San Francisco. COST, \$900

FRAME DWELLING

(3015) E SANCHEZ 195 N 23rd. One-story and basement frame dwelling. Owner.....J. T. Laird. Architect...None. Contractor...Neil Bros., 4221 Moraga, San Francisco. COST, \$1800

ADDITION

(3016) E ELEVENTH AVE 130 N Anza. Add one story for flats. Owner.....R. H. Mills, Premises. Architect...None. Day's work. COST, \$2000

ALTERATIONS

(3017) NO. 378 OAK. Alter dwelling. Owner.....Clara V. Fitch, 28 Montgomery, San Francisco. Architect...None. Contractor...Daniel O'Neill, 273 Minna, San Francisco. COST, \$851

FRAME GARAGE

(3018) NO. 3412 CALIFORNIA. One-story frame garage. Owner.....P. Samanet, 240 4th Ave., San Francisco. Architect...None. Contractor...Gustave Pene, 1655 Mason, San Francisco. COST, \$900

ALTERATIONS

(3019) NO. 9 TAYLOR. Alter front. Owner.....T. R. Zubac, Premises. Architect...None. Contractor...Western Hardwood Mfg. Co., 1034 Golden Gate Ave., San Francisco. COST, \$800

ALTERATIONS

(3020) NOS. 1708-14 WALLER. Erect partition and install toilets and bath. Owner.....Henry Marquard, 144 O'Farrell, San Francisco. Architect...Koenig & Christiansen, Humboldt Bank Bldg., S. F. Contractor...Koenig & Christiansen, Humboldt Bank Bldg., S. F. COST, \$500

ALTERATIONS

(3021) SW LAGUNA AND UNION. Alter cigar stand. Owner.....Peter Rossini, 1957 Union, San Francisco. Architect...None. Contractor...Paul Maffei, 231 Pixley, San Francisco. COST, \$400

FRAME RESIDENCE

(3022) E COLLEGE 100 N St. Marys. One and one-half-story and basement frame residence. Owner.....F. C. Bogle, 147 College Ave., San Francisco. Architect...None. Day's work. COST, \$2150

ALTERATIONS

(3023) NO. 1815 CALIFORNIA. Alter and add to dwelling. Owner.....Dr. Kaspar Peschell, Prem. Architect...A. J. Evers, Balboa Bldg., San Francisco. Contractor...Lester H. Stock, 930 Hearst Bldg., S. F. COST, \$4500

PAINTING

(3024) W FOLSOM 198 S 17th W 122-6 xS 150. All work for painting two-story reinforced concrete dyeing and cleaning works. Owner.....Jean Allec, 2148 Folsom, San Francisco. Architect...August G. Headman, Call Bldg., San Francisco. Contractor...R. Zelinsky, 1512 California, San Francisco. Filed Oct. 13, '16. Dated Oct. 5, '16. Work received 1st coat paint...\$400 Completed and accepted..... 695 Usual 35 days 365 TOTAL COST, \$1460 Bond, \$730. Sureties, Wm. A. Newsom and M. H. Gneco. Limit, as soon as possible. Forfeit, \$20. Plans and specifications filed.

WIRING, ETC.

(3025) W 1/2 BLK BDED BY STOCKTON, Bay, Powell and North Point. switches, switch boxes, conduits, terminals, etc., for Simmons Co. plant. Owner.....Simmons Co. Premises. Architect...None. Contractor...Hampton Elec. & Machine Co., 502 Mission, S. F. Filed Oct. 13, '16. Dated Oct. 9, '16. On completion\$800 Usual 35 days 361 TOTAL COST, \$1161 Bond, none. Limit, 20 days after Oct. 9. Forfeit, none. Plans and specifications filed.

SEWER SYSTEM, ETC.

(3026) PROPERTY KNOWN AS EL Portal, containing approximately 31 acres. All work for sewer system and water system. Owner.....Hawkins Improvement Co. Engineers...Daniels & Wilhelm, Inc., 681 Market, San Francisco. Contractor...D. L. Bienfield, 329 Phelan Bldg., San Francisco. Filed Oct. 13, '16. Dated Oct. 11, '16. Payments on 7th of each month 75% Usual 35 days 25% TOTAL COST, \$18,490.70 Bond, \$9250. Surety, California Casualty Co. Limit, Dec. 1, 1916. Forfeit, \$20. Plans and specifications filed.

FRAME STORES

(3027) SE MISSION 50 NE Fair Ave NE 25xSE 3-6. All work for one-story frame store building. Owner.....Laurent Rey, 311 Noe, S. F. Architect...None. Contractor...J. Narbury, 131 Leese, San Francisco. Filed Oct. 13, '16. Dated Oct. 4, '16. Enclosed and roof sheathed...\$400 White coated and exterior finish on 400 Completed and accepted..... 400 Usual 35 days 400 TOTAL COST, \$1600 Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications, none.

REFRIGERATORS

(3028) SE MARKET 75 SW Eighth SW 200 SE 275 NE 155 NW 105 NE 45 NW 170. All work for refrigerators required at Hotel Whitcomb. Owner.....James Otis, Trustee, 310 California, San Francisco. Architect...Wright & Rushforth, 354 Pine, San Francisco. Contractor...Coast Refrigerator Co., Feil and Gough, S. F. Filed Oct. 13, '16. Dated Oct. 6, '16. Cork walls, ceilings and floors in place\$ 695 Completed and accepted..... 1000 36 days after..... 566 TOTAL COST, \$2261 Bond, \$1131. Surety, U. S. Fidelity & Guaranty Co. Limit, 30 days. Forfeit, \$20. Plans and specifications, none.

ALTERATIONS

(3029) W SCOTT - N McAllister: No. 929, 931 and 933 Scott. All work for alterations and additions to 3-story and basement frame building. Owner.....Mrs. D. Levy. Architect...O'Brien Bros., 240 Montgomery, San Francisco. Contractor...A. M. Wallen, 251 Kearny, San Francisco. Filed Oct. 13, '16. Dated Oct. 11, '16. Ready for lathing.....\$206 Plumbing roughed in & plastered 306 Completed and accepted..... 306

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED

10 days after..... 306
TOTAL COST, \$1224
Bond, \$----- Sureties, P. J. Carney and
H. J. Schober. Limit, 50 days. Forfeit,
none. Plans and specifications filed.

LATHING AND PLASTERING

(3030) S BUSH 137-6 E Mason E 45-6
BX 137-6. Lathing and plastering
for four-story Class "C" brick apart-
ment building.

Owner.....O'Brien Bros., Inc.
Architect...O'Brien Bros., 240 Mont-
gomery, San Francisco.

Contractor...J. Piccoli.

Filed Oct. 13, '16. Dated Oct. 6, '16.
Brown coated.....\$1225.00
Finished and accepted..... 612.50
Usual 35 days..... 612.50

TOTAL COST, 2450.00

Bond, none. Limit, 30 days after build-
ing ready for lathing. Forfeit, none. Plans
and specifications filed.

(3031) STEAM HEATING PLANT AND
hot water tank, coil, asbestos cover-
ing, etc., on above.

Contractor...Atlas Heating & Ventilat-
ing Co., 4th and Freelon,
San Francisco.

Filed Oct. 13, '16. Dated Oct. 4, '16.
On 15th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$990

Bond, none. Limit, 30 days after ready
for rough piping. Forfeit, none. Plans
and specifications filed.

(3032) TINNING, GALVANIZED IRON
flashings, conductors, vents, shafts,
garbage pails, barrels, skylights, etc.,
on above.

Owner.....Ideal Cornice Works, 1040
Howard, San Francisco.

Filed Oct. 13, '16. Dated Oct. 5, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$1025

Bond, none. Limit, 30 days after ready
for cornices and bay covering. For-
feit, none. Plans and specifications
filed.

LEASES.

SAN FRANCISCO COUNTY.

Oct. 13, 1916—NO. 18 TURK N line 75
W Mason. Meads Co to Leighton &
Co. 2 years. \$5700.

Oct. 9, 1916—NOS. 2851-53 TWENTY-
fourth. Chas II Dolan to Antonio
Bisazza. 10 years. \$75 per month.

Oct. 10, 1916—NW MISSION AND
Twenty-fourth N 75xW 117-6. Com-
mercial Centre Realty Co to Lippman
Bros. 10 years. \$120,000.

Oct. 9, 1916—S PINE 150 W Franklin
W 28-9xS 120. Alexander and Lillie
Levison to M J and Annie T Adams.
5 years. \$2100.

Oct. 11, 1916—NO. 516 CENTRAL AVE.
Honore Bourie to Philippe Ipas. 5
years. \$3000.

NOTICE OF NON-LIABILITY.

Oct. 7, 1916—SE SIXTEENTH AND
Mission 105x95. P J Duffy, Gene-
vieve Howard and Regina Upham,
John Barich, Dusan Barkovich,
Marca Banovich, George Murray,
Frank S Hohson, Foster & Kleiser,
Gustave and Edward Lachman, G
W and M J Harkins, F Steffen and
J II Bruns as to improvements on
leased property.....

RECORDED ACCEPTED

Sept. 27, 1916—W MISSION 240-9 N
Onondaga Ave N 160-6 W 274-7½ S
160 E 261-6. G Capurro to A Brisa
and J Canepa.....Sept. 26, 1916

Sept. 27, 1916—N CLEMENT 82-6 W
24th Ave W 25xN 100. Jno L David-
son to J W Marsden.....Sept. 25, 1916

Sept. 27, 1916—N GEARY 47-6 E Lar-
kin E 40 N 137-6 W 27 S 57-6 W
12-6 S 80. H H Helbus to G L
Woerner.....Completed

Sept. 27, 1916—S MINNA 470 W Third
40x70. Frederick Marriott Sr to
Jno Spargo.....Sept. 20, 1916

Sept. 27, 1916—SW TWENTY-SIXTH
and Folsom W 170 S 150-9½ m or
1 S 86 deg 35 min E 175 m or 1 N 173
Cogswell Polytechnical College to
Lange & Bergstrom.....Sept. 20, 1916

Sept. 28, 1916—415 FORTY-FOURTH
Ave, Lot 23 Oustide Lands Blk 225
Map of Blks 224 and 225. Rich-
mond District. Anna Jensen to
whom it may concern.....Sept. 20, 1916

Sept. 28, 1916—S MAYNARD 350 W
Craut W 25x100. Jno Christensen
to whom it may concern.....Sept. 28, 1916

Sept. 28, 1916—LOT 10 BLK 6, Crock-
er Amazon Tract. Gussle A Meyer
to whom it may concern.....
.....Sept. 28, 1916

Sept. 29, 1916—S RIVERA 60 W 21st
Ave 30x100. N F Nilsson to whom
it may concern.....Sept. 29, 1916

Sept. 29, 1916—N SPEAR & FOLSOM
NE 137-6xNW 137-6. San Francisco
Warehouse Co to Frasier & Frasier
.....Sept. 28, 1916

Sept. 30, 1916—NW CLIPPER AND
Sanchez N 24xW 78. Anna M.
Abigail A and Helen J Clifford to
Mager Bros.....Sept. 29, 1916

Sept. 30, 1916—W LARKIN 30 S Post
S' 40xW 95. Savings Union Bank
& Trust Co to William Makin.....
.....Sept. 25, 1916

Sept. 30, 1916—E TWENTY-SIXTH
Ave 100 N Balboa. W F St. Ores to
whom it may concern.....Sept. 30, 1916

Sept. 30, 1916—E DIVISADERO 110
S, Geary S 52-6x E 100. Anixter &
Sons to A H Wilhelm.....Sept. 28, 1916

Sept. 30, 1916—NW TWENTY-4TH
and Diamond. H E and L W Mac-
Arthur to whom it may concern.....
.....Sept. 29, 1916

Oct. 2, 1916—S ARMY 50-0½ W Bry-
ant W 25-0½xS 80. Michael Mc-
Donough and Lawrence Costello to
whom it may concern.....Sept. 30, 1916

Oct. 2, 1916—N POST 62-6 E Leaven-
worth E 50 N 137-6 W 25 S 80 W
25 S 87-6. Lange & Bergstrom to
Dresser McDonald & Co.....Sept. 27, 1916

Oct. 2, 1916—NO. 1231 MARKET S line
bet 8th and 9th. Jas Otis, Trustee
to Jesse E Steere.....Sept. 26, 1916

Oct. 3, 1916—SE NAPLES AND PERU
Ave 25x100. Joseph Hoegler to
whom it may concern.....Sept. 30, 1916

Oct. 3, 1916—E HOWARD 155 N 20th
N 45x E 122-6. Margaret L O'Keefe
Extr Est Peter Swall to R W
Moller.....Sept. 27, 1916

Oct. 3, 1916—NE COLUMBUS AVE &
Vallejo E 77-8½xN 137-6. Roman
Catholic Archbishop of S F to
Schrader Iron Works.....Sept. 30, 1916

Oct. 3, 1916—SE HAYES & OCTAVIA
E 62-6xS 120. Daniel or D M Moran

to J J Siebert, C R Danziger, Sel-
bert Co & New England Equitable
Insurance Co.....Sept. 30, 1916
Oct. 3, 1916—SE WASHINGTON AND
Presidio Ave S 52-8½xE 105. Isl-
dore Rosenberg to whom it may
concern.....Aug. 23, 1916
Oct. 4, 1916—W BOYCE 537 N Geary
—25 W 120 S 25 E 120. Catherine
Nugent to D W Ross & Co.....
.....Sept. 27, 1916
Oct. 4, 1916—NW MARSTON & EDNA
N 120xW 32. Wm T and Ella Hunter
or Wm T Hunter to Frank C
Rounds.....Oct. 2, 1916
Oct. 4, 1916—SW EIGHTEENTH AND
Vermont 25-6x100. Peter J Barich
to J H Randall and Tony Christian
(as Randall & Christian).....Sept. 28, '16
Oct. 4, 1916—W RUSS AND FOLSOM
SW 50xNW 100. Henry C Hincken
to O E Evans Co.....Oct. 2, 1916
Oct. 5, 1916—W TENTH AVE 150 N
Kirkham N 25xW 120. Alpheus and
Mary E Duffee to whom it may con-
cern.....Oct. 5, 1916
Oct. 5, 1916—NOS. 201-223 POTRERO
Ave Cor. 15th. International Har-
vester Co of America, Lessee to M
C Rench.....Oct. 5, 1916
Oct. 5, 1916—E TWENTY-EIGHTH
Ave 280 N California N 25xE 120.
Harry B and Laurence D Allen to
whom it may concern.....Sept. 30, 1916
Oct. 5, 1916—E TWENTY-EIGHTH
Ave 305 N California N 25xE 120.
Harry B and Laurence D Allen to
whom it may concern.....Sept. 30, 1916
Oct. 5, 1916—S PRECITA AVE 608 E
Coso Ave E 25xS 100. E G Emerson
to H M Lohlaw.....Sept. 27, 1916
Oct. 5, 1916—SE SAN JOSE AVE 214-
514 SW Santa Ynez Ave SW 24,202
Sub Lots 1 and 2 Blk 33 West End
Map 1; SE San Jose Ave 190,312 SW
Santa Ynez Ave SW 24,202 Sub Lots
1 and 2 Blk 33 West End Map 1.
Henry Steinbach to Louis Johnson
.....Oct. 4, 1916
Oct. 5, 1916—NEAR END OF 25TH
Street. The Western Pacific Rail-
road Co to Hyde Harjes & Co.....
.....Sept. 26, 1916
Oct. 5, 1916—E TWENTY-EIGHTH
Ave 255 N California N 25xE 120.
Harry B and Laurence D Allen to
whom it may concern.....Sept. 30, 1916
Oct. 6, 1916—NO. 600 STOCKTON.
Metropolitan Life Insurance Co to
James Furlong.....Oct. 1, 1916
Oct. 6, 1916—HAVELOCK 359 to 409
W San Jose Ave being Lots 15 and
16, Belle Roche. G Palma to Gholto
Bros.....Sept. 25, 1916
Oct. 7, 1916—NE NAPLES & CURTIS
Catherine and S Henry Hauser to
Wm McIntosh.....Oct. 5, 1916
Oct. 7, 1916—LOTS 1, 28 AND 29 Map
Ducas Sub Ptn Lots 5, 6, 11 and 12
Blk 26 West End Map No. 1. C S
Allred to whom it may concern.....
.....Oct. 7, 1916
Oct. 9, 1916—N UNION 106 E Grant
Ave E 23xN 68-9. Frank Spingola
to Chas King.....Aug., 1916
Oct. 9, 1916—N BEAVER 175 E Castro
25x115. Karl Yngve to whom it
may concern.....Oct. 7, 1916
Oct. 9, 1916—NW MISSION & MINT
30x85. San Francisco Remedial
Loan Ass'n to Sibley Grading &
Teaming Co.....Sept. 30, 1916
Oct. 9, 1916—N EIGHTEENTH 100 E
Mission E 25xN 116. Amanda Maas
to Samuel Schell.....Sept. 30, 1916
Oct. 9, 1916—N FOLSOM AND 11TH
NW 275 NE 205 SE 137 SW 69 SE

0-6 SW 35 SE 137-6. Kleiber & Co, Inc to Robt Frost.....Sept. 30, 1916
 Oct. 10, 1916—SE MAJESTIC AVE 175 NE Lakeview Ave NE 35-6xSE 100. James D Smith to George M Wilson.....Oct. 7, 1916
 Oct. 11, 1916—S TWENTY-SEVENTH Ave (Carroll) 125 W Jennings 25x 100. Sutton Hamilton to whom it may concern.....Oct. 11, 1916
 Oct. 11, 1916—NE EXCELSIOR AVE 75 NW Lisbon NW 25xNE 75 Blk 17. Execd Hld Ass'n. Martin Person to whom it may concern.....Oct. 20, 1916
 Oct. 11, 1916—NE CHESTNUT AND Montgomery, Sewall Lot No. 7. The Western Pacific Railroad Co to E H Sundberg.....Oct. 9, 1916
 Oct. 11, 1916—W MISSION 184-2 1/2 N 24th N 25x125. Frank and Louis Comes to P F Reilly.....Oct. 9, 1916
 Oct. 11, 1916—N WASHINGTON 77-6 E Spruce N 127-8 1/2x E 65. Mary A Hammon to M W Brady.....Oct. 4, 1916
 Oct. 11, 1916—S TWENTY-SEVENTH Ave (Carroll) 150 W Jennings 25x 100. Sutton Hamilton to whom it may concern.....Oct. 11, 1916
 Oct. 13, 1916—S TWENTY-THIRD 225 W Douglass W 25xS 114; Lot 139 Heyman Tract. Mrs Meta Melnen to F F Ralston.....Oct. 5, 1916
 Oct. 13, 1916—W TWENTIETH AVE 250 S Anza S 50xW 120. Frank T Leahy to whom it may concern.....Oct. 13, 1916
 Oct. 13, 1916—S PAGE 175 W Webster W 25xS 137-6. Bessie Selix to Higginson Co.....Oct. 10, 1916
 Oct. 13, 1916—W THIRTY-FOURTH Ave 150 S Balboa S 50xW 120. Leigh & Schultz to whom it may concern.....Oct. 6, 1916
 Oct. 13, 1916—W HOWARD 160 N 19th N 24xW 122-6. Mrs E E Campbell to Mac Gruer & Co and F H Cress.....Oct. 12, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED AMOUNT

Sept. 28, 1916—SW CALIFORNIA AND 14th Ave W 90xS 100. The Dean Reversible Window Co, Inc vs W L Hemminga, Inc; Louis Friedman and Samuel Gerson.....\$159.85
 Sept. 28, 1916—SW UNION & SCOTT 52-6x110. J S Guerlin & Co vs Mrs E S Tuttle Bray, Richard Sinnott, Chas Alsop and L B Melano.....\$400
 Sept. 28, 1916—SW UNION & SCOTT S 52xW 110. J S Guerlin & Co, \$89; Macdonald Lumber Co, \$49.03 vs E S Tuttle Bray, Richard Sinnott and Chas Alsop and W H Daniel.....
 Sept. 29, 1916—SW FOURTEENTH Ave and California W 90xS 100. New Era Marble & Concrete Co vs Louis Friedman, Samuel Gerson and W L Hemminga, Inc.....\$25.50
 Sept. 29, 1916—W SEVENTEENTH Ave 25 N California N 75xW 75. Joost Hardware Co vs The Realty Investment Co and Albert A Russell.....\$75.98
 Sept. 29, 1916—SW CALIFORNIA AND 14th Ave W 90xS 100. Edwin G Benkman, \$61; Akard Door Opener Co, \$75 vs Louis Friedman, Samuel Gerson and W L Hemminga.....
 Sept. 29, 1916—SW FOURTEENTH Ave and California W 90xS 100. J E Higgins Lumber Co vs W L Hemminga, Inc, Samuel Gerson and Louis Friedman.....\$885.25

Sept. 30, 1916—SW CALIFORNIA & 14th Ave W 90xS 100. J H Kruse, \$67.33; F G Norman & Sons, \$308.24 vs Wm L Hemminga, Inc, Louis Friedman and Samuel Gerson.....
 Sept. 30, 1916—SW CALIFORNIA & 14th Ave W 90xS 100. Hart-Wood Lumber Co vs Louis Friedman, W L Hemminga, Inc and Samuel Gerson.....\$485.66
 Sept. 30, 1916—SW CALIFORNIA & 14th Ave W 90xS 100. P J Sullivan and E J Nutting (as Spencer Street Planing Mill) vs Louis Friedman and W L Hemminga.....\$252.76
 Sept. 30, 1916—W GUERRERO 65 N 17th N 25xW 85. E C Nelson and J Holmud vs Jas and Lillian Fitzpatrick, J S Hofmeister and Frank Berdahl.....\$95
 Sept. 30, 1916—SW FOURTEENTH Ave and California W 90xS 100. E A Eatherton & Geo Fensky, \$532.40 Schwartz & Gottlieb, \$316.35 vs W L Hemminga, Inc, Louis Friedman and Samuel Gerson.....
 Sept. 30, 1916—SW FOURTEENTH Ave and California W 90xS 100. J S Guerlin vs Louis Friedman, Samuel Gerson, Royal Indemnity Co, W L Hemminga and W H Daniel.....\$257.55
 Oct. 2, 1916—E FORTY-EIGHTH AVE 175 S Judah S 25x E 120. Peter Koenig vs Maude V Jacobs.....\$219.30
 Oct. 2, 1916—SW CALIFORNIA AND Fourteenth Ave W 90xS 100. J K Stewart vs W L Hemminga, Inc, Louis Friedman and Samuel Gerson.....\$404
 Oct. 2, 1916—SW FRONT & PACIFIC 61x137-6. Samuel Casey, \$27; I W Tufts, \$15; C Merrill, \$26.50; I Walton, \$24 vs Frye & Co.....
 Oct. 3, 1916—LOT 197 Gift Map No. 2 August Reinila vs Charles Thompson.....\$35
 Oct. 3, 1916—SW CALIFORNIA AND 14th Ave S 100xW 90. California Door Co, \$909.55; R W Parkes, \$212.25 vs Louis Friedman and Samuel Gerson.....
 Oct. 4, 1916—W RUSS AND FOLSOM SW 50xNW 100. Wm A Hayes vs Henry C Hincken and O E Evans.....\$175
 Oct. 4, 1916—SW CALIFORNIA AND 14th Ave S 100xW 90. Johns-Duncan Paint Co vs Louis Friedman and Samuel Gerson and W L Hemminga.....\$219.95
 Oct. 11, 1916—S GEARY 92 W Powell S 137-6xW 45. L A Norris Co vs N L Josey.....\$146.74
 Oct. 11, 1916—N ALLSTON WAY 129-98 E Claremont Blvd N 100xW 30; Lot 16 Blk 2977 Merritt Terrace. H A F Smith vs Frank Hyland and C F Palmer.....\$130
 Oct. 13, 1916—S GEARY 92-6 W Powell W 45xS 137-6. Gladding, McBean & Co, \$87.32; Dyer Bros Golden West Iron Works, \$72.25 vs N L Josey.....

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 20th for street improvements authorized under the following resolutions: For the grading, curbing with redwood, guttering with concrete gutters 3 feet wide, paving with oil macadam and sidewalking with cement sidewalks 6 feet wide, of all that por-

tions of Bissell street that lies northwest of the northwest line of 73rd avenue.

That the portions of 51st avenue, in the vicinity of East 10th and East 12th streets, be graded, construct redwood curbs, concrete gutters 3 feet wide, pave with oil macadam and construct cement sidewalks 6 feet wide.

Also the crossing of East 10th street with 51st avenue be regraded, resurfaced with redwood, concrete gutters 3 feet wide, paved with oil macadam and sidewalked with cement; a corrugated iron and concrete culvert with two branches be constructed.

STREET IMPROVEMENTS—Cost as follows. San Leandro, Alameda Co, Cal. Engineer, Town Engineer, San Leandro. Owners, Town of San Leandro. Three bids for the contract of bituminizing of East Fourteenth street, from the San Leandro bridge to the county limits on the east end of town were considered at a special meeting of the Town Board Thursday night. The contract will be let at a meeting of the Board Monday night. The bids were as follows: Johnson-Shea Co, Central Bank Bldg., Oakland, \$26,325.60, California Bithellithic Co, 1109 Franklin street, Oakland, \$31,144.35, Rausome-Crummey Co, First National Bank Bldg., Oakland, \$31,490.70.

RESIDENCE—1 1/2 story and base, frame, \$2,500. Oakland, Cal. Architect, W. E. Schirmer, Dalziel Bldg., Oakland. Owner, F. R. Jordan. Location, south Lakeside avenue east Walla Vista. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, D. A. Sinclair, 2528 Prince street, Berkeley. Location, 35th and Elston. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,500. Berkeley, Alameda Co, Cal. Architect, none. Owner, A. E. Olson, 2129 Telegraph avenue, Berkeley. Location, Park street north Oregon. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owners, W. and O. Johnson, 3228 Adeline street, Oakland. Location, north Alcatraz avenue east Baker. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, A. T. Anderson, 7325 Lakewood street, Oakland. Location, south Brookdale west Short. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, I. A. Kellogg, 3404 Champion street, Oakland. Location, west Rhoda north Montana. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, William H. Kerrigan, 1553 Shafter avenue, Oakland. Location, east Warfield avenue north Wick-

son. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Oakland, Cal. Architect, none. Owner, R. C. Hillen, 130 Haight avenue, Alameda. Location, south Montana west Curran. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, H. A. Pleitner, 934 Fruitvale avenue, Oakland. Location, north Noble opposite 61st avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,000. Oakland, Cal. Architect, none. Owner, C. J. Pfingst, 5487 Claremont avenue, Oakland. Location, north Lawton avenue west Manila. Will contain four rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, H. S. Butler, 5643 Oak Grove avenue, Oakland. Location, west Miles avenue south Forest. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$20,000. Oakland, Cal. Architects, Schirmer & Bugbee Co., Dalziel Bldg., Oakland. Owner's name withheld. Location, Sequoyia Hill. Will contain fourteen rooms, several baths and sleeping porches. A separate garage and concrete swimming tank are other features of the plans. Plans are being prepared.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Alameda, Alameda Co., Cal. Architect, none. Owner, G. H. Noble, 2220 Central avenue, Alameda. Locations, 2144 and 2911 Santa Clara avenue. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOL ADDITION—1 story, brick, \$11,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Location, Garfield School. The Parents' Association has requested that a one-story addition be constructed at the Garfield School at once to relieve the crowded condition. The City Architect has been instructed to prepare plans and specifications.

WAREHOUSE—1 story, brick, \$1,500. Alameda, Alameda Co., Cal. Architect, none. Owner, Jacob House, 1818 Hearst street, Berkeley. Location, Tunnel street. Plans complete and work to be done by Day Labor.

GARAGE—brick and concrete, \$6,000. Berkeley, Alameda Co., Cal. Architect, F. Holberg Reimers, Acheson Bldg., Berkeley. Owner, A. M. Harvey. Location, Colusa and Solano streets. Garage on first floor and flats above. Plans complete and owner taking figures for all work except brick.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, I. W. Button, 367 63rd street, Oakland. Location, east Arbor north Hudson. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENT—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 26th for street improvements authorized under the following resolution: That cement sidewalks 6 feet wide, where cement or bitumen do not already exist, be constructed on the sidewalks of Seminary avenue, from the northeast line of East 14th street to the southwest line of Foothill Boulevard.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. The City Council has awarded a contract to the Clark & Henry Construction Co., First Savings Bank Bldg., Oakland, for the following work: That all of that portion of Oak street that lies north of the north line of 14th street, and all that portion of Lake street that lies east of the east line of Jackson street, each be graded, curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt; a vitrified pipe conduit, having an internal diameter of 10 inches; two brick storm water inlets and two brick manholes be constructed.

THEATRE AND STORES—2 story and base. Class A and Class C construction, \$100,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, Williamson & Bradshaw. Location, south University avenue west Shattuck avenue. Will contain a large theatre in the class A portion and stores and offices in the class C portion. Plans complete and segregated figures being taken.

RESIDENCE—1 story, frame, \$3,500. Oakland, Cal. Architect, none. Owner, E. Maasberg, 3915 Greenwood, Oakland. Location, north Fairbanks west Wardfield. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

Contracts Awarded

SCHOOL—2 story and base, brick and concrete, \$65,900. Alameda, Alameda Co., Cal. Architects, Cunningham & Politeo, First National Bank Bldg., S. E. Owners, City of Alameda. Contractors, Carnahan & Mulford, 45 Kearny street, S. F. Contract price, \$65,900.

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Amt.
2390	Kerrigan	Kerrigan	2250
2391	Ghigliione	Perona	2950
2392	Kellogg	Kellogg	2000
2393	Dunn	Anderson	2500
2394	Anderson	Anderson	1700
2395	Mason	Bartlett	500
2396	Confield	Voorhees	1200
2401	Albany	Hollenbeck	17700
2405	Same	Hurley	991
2406	San Leandro	Manning	50000
2407	Hohaus	Malley	506
2408	Brunning	Brown	400
2409	Maasberg	Owner	3500
2410	Ambrose	Owner	1000
2411	Jordan	Jordan	2500
2412	Nevin	Perona	1575
2414	Crawford	Frostholm	6850
2415	Thomson	McPhee	4000
2416	Pleitner	Pleitner	2000
2417	Havens	Meyer	500
2418	Hillen	Hillen	2000
2419	Hillen	Hillen	2000
2420	Quitman	Stange	4000
2421	Westra	Stange	4000
2422	Pirang	Pirang	1000
2423	Sinclair	Forbes	2500

2424	Butler	Butler	1600
2430	Edminster	Sandberg	2445
2431	Samuelson	Walstrom	1000
2432	Smith	Starr	400
2433	Cal Cotton Mills	Owner	700
2434	Nason	Chick	5000
2435	Button	Button	2500

DWELLING

(2390) E WARFIELD AVE 100 N Wickson Ave., Oakland. One-story 7-room dwelling.
Owner.....Wm. H. Kerrigan, 5153 Shafter Ave., Oakland.
Architect.....None.
Day's work. COST, \$2250

DWELLING

(2391) W 100TH AVE 125 S Longfellow, Oakland. One-story 7-room dwelling.
Owner.....G. Ghigliione, 1826 E-15th, Oakland.
Architect.....None.
Contractor..John Perona, 568 7th, Okd.
COST, \$2950

DWELLING

(2392) W RHODA AVE 290 N Montana Oakland. One-story 6-room dwelling.
Owner.....I. A. Kellogg, 3403 Champion, Oakland.
Architect.....None.
Day's work. COST, \$2000

DWELLING

(2393) NO. 4904 CONGRESS AVE., Oakland. One-story 6-room dwlg.
Owner.....J. O. Dunn, Cor. 23rd Ave. and E-21st, Oakland.
Architect.....None.
Contractor..L. W. Anderson, Syndicate Bldg., Oakland.
COST, \$2500

DWELLING

(2394) S BROOKDALE AVE 100 W Short, Oakland. One-story 5-room dwelling.
Owner.....A. T. Anderson, 7335 Lakeview, Oakland.
Architect.....None.
Day's work. COST, \$1700

GARAGE

(2395) NO. 716 CALMAR AVE., Oakland. Garage.
Owner.....E. E. Mason, Premises.
Architect.....None.
Contractor..John M. Bartlett, 2970 Summit, Oakland.
COST, \$500

DWELLING

(2396) W FIFTY-FIRST AVE 130 N Melrose, Oakland. One-story 4-room dwelling.
Owner.....E. L. Confield.
Architect.....None.
Contractor..W. F. Voorhees.
COST, \$1200

CLASS "C" SCHOOL

(2401) ALBANY. Construction of one and two-story Class "C" school.
Owner.....Albany Board of Education
Architect...W. H. Weeks, 75 Post St., San Francisco.
Contractor..G. E. Hollenbeck, Thomson Bldg., Oakland.
COST, \$17,700

(2405) HEATING AND VENTILATING

on above.
Contractor..J. C. Hurley & Co., 509 6th St., San Francisco.
COST, \$991

HOTEL

(2406) SAN LEANDRO. All work for 80-room fireproof hotel building.
Owner.....San Leandro Hotel Co.
Architect...Crosbie & Judson, Fresno.
Contractor..Manning Bros., General Delivery, San Leandro and 924½ Jay St., Fresno, Cal.
COST, \$50,000

REPAIRS

(2407) NO. 2105 FOURTH AVE., Oakland. Repairs.
Owner.....W. H. Dohahue.
Architect...None
Contractor..F. T. Malley, 3001 Grove, Oakland.
COST, \$500

REPAIRS

(2408) N HOPKINS 200 W Fruitvale, Oakland. Roof repairs.
Owner.....F. H. Brunning, 537 7th, Oakland.
Architect...None.
Contractor..H. C. Brown Roofing Co., 565 16th, Oakland.
COST, \$400

DWELLING

(2409) N FAIRBANKS AVE 61 W Warfield, Oakland. One-story 7-room dwelling.
Owner.....E. Maasberg, 3915 Greenwood Ave., Oakland.
Architect...None.
Day's work. COST, \$3500

GREENHOUSES

(2410) NO. 7412 HALLIDAY AVE., Oakland. Two greenhouses.
Owner.....Jack Ambrose, Premises.
Architect...None
Day's work. COST, \$1000

DWELLING

(2411) S LAKESHORE AVE 200 E Walla Vista, Oakland. One and one-half-story 6-room dwelling.
Owner.....F. R. Jordan.
Architect...W. E. Schirmer, Dalziel Bldg., Oakland.
Day's work. COST, \$2500

ALTERATIONS

(2412) NO. 2950 COLLEGE AVE., Berkeley. Alter one-story dwelling into two-story stores and dwelling.
Owner.....T. H. Nevlin, Premises.
Architect...None.
Contractor..Ben Pearson, 2403 Grant, Berkeley.
COST, \$1575

FRAME STORES

(2414) NW TWENTY-EIGHTH AND Telegraph Ave W 65xN 100, Oakland. All work for one-story frame (6) stores.
Owner.....Mrs. S. B. Crawford.
Architect...A. W. Smith, 1010 Broadway, Oakland.
Contractor..H. M. Frostholt, 6457 Colby, Oakland.
Filed Oct. 10, '16. Dated Oct. 6, '16.
Frame up\$1500
Brown coated 1500
Completed and accepted..... 1900
Usual 35 days..... 1980
TOTAL COST, \$6880
Bond, \$3500. Sureties, H. J. Quinn and Mrs. John Farrer. Limit, Dec. 31, 1916. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS

(2415) NO. 1700 BROADWAY, Oakland. Alter first floor of 10-story office building.
Owner.....Lucy F. Thomson.
Architect...W. D. Reed, Oakland Bank of Savings Bldg., Okd.
Contractor..A. J. McPhee, 2144 E-27th, Oakland.
COST, \$4000

DWELLING

(2416) N NOBLE opp. 61st Ave., Oakland. One-story 5-room dwelling.
Owner.....H. A. Pleitner, 954 Fruitvale Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS

(2417) S SEVENTEENTH 100 W Telegraph Ave., Oakland. Alterations.
Owner.....H. A. Pleitner, 954 Fruitvale Ave., Oakland.
Architect...None.
Contractor..Meyer-Clark, S. F.
COST, \$500

DWELLING

(2418) S MONTANA 235 W Curran Ave., Oakland. One-story 5-room dwlg.
Owner.....R. S. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING

(2419) N MONTANA 155 W Curran Ave., Oakland. One-story 5-room dwelling.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING

(2420) N LAKESHORE AVE 325 W Spring Ave., Oakland. Two-story 8-room dwelling.
Owner.....S. and Rosa Quitman, 572 12th, Oakland.
Architect...None.
Contractor..D. W. Stanage, 1715 Telegraph Ave., Oakland.
COST, \$4000

DWELLING

(2421) N MANDANA BLVD 400 E Calmar, Oakland. Two-story 8-room dwelling.
Owner.....A. Westrand.
Architect...None.
Contractor..D. W. Stanage, 1715 Telegraph Ave., Oakland.
COST, \$1000

DWELLING

(2422) N LAWTON AVE 139 W Manila Ave., Oakland. One-story 4-room dwelling.
Owner.....C. J. Pfrang, 5487 Claremont Ave., Oakland.
Architect...None.
Day's work. COST, \$1000

DWELLING

(2423) E ELSTON AVE 455 N E-38th, Oakland. One-story 5-room dwlg.
Owner.....Mrs. D. A. Sinclair, 698 30th, Oakland.
Architect...None.
Contractor..E. C. Forbes, 2828 Prince, Berkeley.
COST, \$2500

DWELLING

(2424) W MILES AVE 50 S Forest, Oakland. One and one-half-story 5-room dwelling.

Owner.....H. S. Butler, 5648 Oak Grove Ave., Oakland.
Architect...None.
Day's work. COST, \$1600

ALTERATIONS

(2430) LOT 12 BLK 1361 Map Poirier Tract, Oakland. All work for altering one-story dwelling into (two-story dwelling and build garage.
Owner.....Philip M. Edminster and wife, 639 Poirier, Okd.
Architect...Ernest U. Essmann, N. C. SW 24th and Church, S. F.
Contractor..G. Sandberg, S. F.
Filed Oct. 11, '16. Dated Oct. 11, '16.
Frame up\$611.50
Plastered 611.50
Completed and accepted..... 611.00
Usual 35 days..... 612.50
TOTAL COST, \$2445.50
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING

(2431) N WISCONSIN 50 W Magee Ave., Oakland. One-story 3-room dwelling.
Owner.....Axel Samuelson, 3830 Harbor View Ave., Oakland.
Architect...None.
Contractor..Carl Walstrom, 3830 Harbor View Ave., Oakland.
COST, \$1000

ADDITION

(2432) NO. 2062 EIGHTY-FIRST AVE., Oakland. Addition.
Owner.....Ralph W. Smith, Premises.
Architect...None.
Contractor..W. Starr, 1428 84th Ave., Oakland.
COST, \$400

REST ROOM

(2433) W COTTON 100 N Livingston, Oakland. One-story rest room.
Owner.....California Cotton Mills, Premises.
Architect...None.
Day's work. COST, \$700

DWELLING

(2434) N LOWER ROAD 140 E Cross Roads, Oakland. Two-story 7-room dwelling.
Owner.....Arthur G. Nason, Cor. Lower Road & Cross Road, Oakland.
Architect...O. Reed Baxter, 3419 Broadway, Oakland.
Contractor..Edward A. Chick, 2624 60th Ave., Oakland.
COST, \$5000

DWELLING

(2435) E ARBOR AVE 350 N Hudson, Oakland. One-story 7-room dwelling.
Owner.....L. W. and F. Button, 367 63rd, Oakland and 1060 Mariposa, Berkeley.
Architect...None.
Day's work. COST, \$2500

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2397	Walton	Lawton	400
2398	Johnson	Johnson	1750
2399	Adams	Adams	700
2400	Morton	Hanson	800
2401	Hood	Peake	3900
2403	Christy	Schmidt	4500
2413	Olson	Olson	2400
2429	Guevin	Brown	700

2436 GarberKollmer 500
2437 DouglassCoward 1750
2438 WhiteBlethroad 400

ADDITION

(2397) NO. 2937 MAGNOLIA, Berkeley Addition.

Owner.....S. Kalton, Premises.
Architect...None.
Contractor..Lawton & Vezey, Plaza Bldg., Oakland.
COST, \$400

DWELLING

(2398) N ALCATRAZ 35 E Baker, Berkeley. One-story 4-room dwlg.
Owner.....W. and O. Johnson, 3228 Adeline, Berkeley.
Architect...None.
Day's work. COST, \$1750

ALTERATIONS

(2399) NW SAN PABLO AVE AND Cedar, Berkeley. Alterations.
Owner.....Alec Adams, 923 Wood, Berkeley.
Architect...None.
Day's work. COST, \$700

ALTERATIONS

(2400) NO. 2512 HASTE, Berkeley. Alterations.
Owner.....Frank Morton, Premises.
Architect...None.
Contractor..J. S. Hanson, 2131 University Ave., Berkeley.
COST, \$800

DWELLING

(2401) W SANTA BARBARA 180 N Indian Rock Ave., Berkeley. Two-story 6-room dwelling.
Owner.....John Hood, 445 66th, Okd. Architect...None.
Contractor..F. R. Peake, Acheson Bldg., Berkeley.
COST, \$3900

ALTERATIONS

(2403) SE PARKER AND HILLEGASS Ave., Berkeley. All work for addition and alteration to two-story dwelling.
Owner.....Mrs. M. A. Lindblom, 2601 Hillegass Ave., Bkly.
Architect...W. H. Ratcliff Jr., 21 National Bank Bldg., Bkly.
Contractor..H. P. Nelson, 2241 Grove, Berkeley.
Filed Oct. 9, '16. Dated Oct. 6, '16.

Frame up and roof shingled..... 1/4
Plastered 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4
TOTAL COST, \$2500
Bond, \$1250. Surety, U. S. Fidelity & Guaranty Co. Limit, 55 days. Forfeit, none. Plans and specifications filed.

DWELLING

(2413) — PARK 25 N Oregon, Berkeley. One-story 5-room dwlg.
Owner.....Arvid E. Olson, 2129 Telegraph Ave., Berkeley.
Architect...None.
Day's work. COST, \$2400

ALTERATIONS

(2429) NO. 2130 WOOLSEY, Berkeley. Alterations and additions.
Owner.....E. A. Guevin, Premises.
Architect...None.
Contractor..Brown & Worwick, 1642 89th Ave., Oakland.
COST, \$700

ADDITION

(2436) NO. 15 TANGLEWOOD ROAD, Berkeley. Addition.
Owner.....L. J. Garber, Premises.
Architect...None.
Contractor..Jacob Kollmer, 2813 Stuart, Berkeley.
COST, \$500

DWELLING

(2437) S DELAWARE 105 W Grant, Berkeley. One-story 6-room dwlg.
Owner.....A. N. Douglass, 5647 Shafter Ave., Oakland.
Architect...None.
Contractor..Joseph Coward, 6081 Claremont Ave., Oakland.
COST, \$1750

GARAGE

(2438) NO. 1405 SPRUCE, Berkeley. Garage.
Owner.....Mrs. C. G. White, 1314 Spruce, Berkeley.
Architect...None.
Contractor..D. L. Blethroad, 1732 Milvia, Berkeley.
COST, \$400

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2402	Lindblom	Nelson	2500
2425	House	House	1400
2426	Noble	Noble	2000
2427	Noble	Noble	2000
2428	Pereria	Fitch	1400

ALTERATIONS

(2402) NO. 1829 CLINTON AVE., Alameda. All work for alterations and addition to two-story frame dwlg.
Owner.....J. R. Christy, Premises.
Architect...John Reid Jr., First National Bank Bldg., S. F.
Contractor..P. N. Schmidt, 1372 Versailles Ave., Alameda.
Filed Oct. 9, '16. Dated Oct. 4, '16.
Shingling and plastering completed\$1648
Completed and accepted..... 1650
Usual 35 days..... 1099
TOTAL COST, \$4397
Bond, \$2200. Sureties, Sarah E. Waters and Wm. Makin. Limit, 50 days. Forfeit, \$4. Plans and specifications filed.

WAREHOUSE

(2425) TUNNEL ST., Alameda. One-story brick warehouse.
Owner.....Jacob House, 1818 Hearst Ave., Berkeley.
Architect...None.

Day's work. COST, \$1400

DWELLING

(2426) NO. 2414 SANTA CLARA AVE., Alameda. One-story 5-room dwelling
Owner.....G. H. Noble, 2220 Central Ave., Alameda.
Architect...None.

Day's work. COST, \$2000

DWELLING

(2427) NO. 2910 SANTA CLARA AVE., Alameda. One-story 5-room dwelling
Owner.....G. H. Noble, 2220 Central Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

RESTAURANT

(2428) WEBSTER near Tunnel Road, Alameda. One-story restaurant.
Owner.....Mrs. L. E. Pereria, 2305

Webster, Alameda.
Architect...None.
Contractor..Chas. Fitch, 2301 Webster, Alameda.
COST, \$1400

NOTICES OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Oct. 9, 1916—LOCATION NOT GIVEN
K C Rich as to improvements on leased property

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED

Sept. 28, 1916—LOT 1 BLK 15 (Daley's Scenic Park) S 5 of W 90x E 35 Lot 2 Blk 15, Bkly. Marie A Wright to Charles Lock.....Sept. 28, 1916
Sept. 28, 1916—NE LAGUNA AND Montana, Okd. I Ariel Kellogg to whom it may concern.....Sept. 28, 1916
Sept. 28, 1916—E TELEGRAPH AVE 125 from N line 48th N 25x E 131, Okd. Joseph L Bosso to M E ValenteSept. 28, 1916
Sept. 28, 1916—LOT 8 and N 12 1/2 Lot 9 Blk 21 Map Key Route Heights, Okd. S A Isakson to whom it may concern.....Sept. 8, 1916
Sept. 29, 1916—PTN LOT "A" Map College Court, Okd. Eva Wilson to whom it may concern.....Sept. 25, 1916
Sept. 29, 1916—LOT 15 BLK 2, Fairview Park, Okd. T L Hamlin and Ella Reid Hamlin to Oscar SalranenSept. 28, 1916
Sept. 29, 1916—E OAK 50 N Ninth N 30x E 100, Okd. Noble Newsom to whom it may concern.....Sept. 28, 1916
Sept. 30, 1916—SW LAVERNE AVE 247.05 NW 55th Ave NW 35xSW 100, Okd. E H Morison to whom it may concern.....Sept. 29, 1916
Sept. 30, 1916—PTN LOTS 6 AND 7 Blk 3 Map Graves & Taylor Tract, being No. 1415 Bonita, Bkly. T O Hansson to whom it may concernSept. 28, 1916
Sept. 30, 1916—LOT 73 Alida Piedmont Tract, Piedmont. L D Wood to Alfred Peterson.....Sept. 29, 1916
Oct. 2, 1916—LOT 36 BLK 2 Map Oak Lawn, Okd. Mary E Lazear to Jones Bros.....Oct. 2, 1916
Oct. 2, 1916—LOT 32 BLK 1 Map Fairview Park, Okd. Charles R Stone to Cederberg & Anderson, Oct. 2, 1916
Oct. 2, 1916—LOT 16 BLK 1—58th Ave East Lawn Sbdn, Okd. Henry C Smith to whom it may concern.....Oct. 2, 1916
Oct. 2, 1916—SIXTEENTH DEPOT, U. S. P Co to Paraffine Paint Co.....Sept. 23, 1916
Oct. 4, 1916—SW EAGLE AVE AND Willow W 103.5xS 115, Alameda. J R Sloan by Chester H Miller to whom it may concern.....Sept. 25, 1916
Oct. 4, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James K Moffitt to Clinton Constr. Co.....Sept. 25, 1916
Oct. 4, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James K Moffitt to N Clark & Sons.....Oct. 4, 1916
Oct. 4, 1916—W GROVE 35.80 S 33rd S 40 W 116.56 N 40 E 115, Oakland. Joseph Antonio and Frank Busse to J C Neilson.....Oct. 2, 1916
Oct. 5, 1916—LOT 14 BLK 3 Brookdale Terrace at NE Cor. Brookdale and Lilac, Okd. E C Jeffreys to

Roy Coburn.....Sept. 30, 1916
Oct. 7, 1916—NEAR WEBSTER ST.
Bridge, Alameda. Union Iron Wks
Co to Golden Gate Iron Works.....
.....Sept. 28, 1916
Oct. 9, 1916—LOT 9 BLK 7 Rock
Ridge Terrace, Okd. Blake Bros
Co to whom it may concern.....
.....Oct. 7, 1916
Oct. 9, 1916—LOT 22 Resbvn Bk 8
Rock Ridge Terrace, Okd. Blake
Bros Co to whom it may concern
.....Oct. 7, 1916
Oct. 9, 1916—LOT 1 PTN BLK "V"
Vernon Park, Okd. Ida C Winter-
mure to Jacob House.....Sept. 18, 1916
Oct. 10, 1916—LOT 5 and N 25 Lot 4
Blk "A" Excelsior Heights, Okd.
Helen M Schmidt to Alfred Legault
.....Oct. 9, 1916
Oct. 10, 1916—NW SEVENTEENTH
and Clay, Oakland. Louise Jatho
and Charles J Heseman to Van
Sant-Houghton Co.....Oct. 2, 1916
Oct. 10, 1916—LOT 42 Map Henry &
Phillips Tract, Brooklyn Tp. Anna
Maria Farapillia Luis to Bold &
Sons.....Oct. 9, 1916
Oct. 10, 1916—LOT 62 and S ½ Lot 63
Blk 10 Map No. 4, Regents Park,
Albany. Carl Ericsson to whom it
may concern.....Oct. 9, 1916
Oct. 11, 1916—HEARST RANCH near
Pleasanton. P A Hearst to Chas
A Bruce.....Oct. 9, 1916
Oct. 11, 1916—LOT 45, Fremont Tct,
Okd. I Ariel Kellogg to whom it
may concern.....Oct. 5, 1916
Oct. 11, 1916—LOT 59 Sheet No. 2,
Map Nova Piedmont. Piedmont.
F N Strang to whom it may concern
.....Sept. 26, 1916
Oct. 11, 1916—W FRUITVALE AVE
83 S E-14th S 42 NW 80 NE 41.59
SE 77.02, Okd. Derby Estate Co
to whom it may concern.....Oct. 10, 1916

LIENS FILED

ALAMEDA COUNTY.

Oct. 3, 1916—LOT 3 BLK "B" Map
Excelsior Heights, Okd. Panama
Lumber & Mill Co vs Oakland In-
Howett, J C and Ellen E O'Connor
vestment Co, J R Elrod, Emma A
.....\$423.10
Oct. 2, 1916—(1)PTN AUGHINBAUGH
223.274 Acre Tract (2) Lots 22, 25,
26, 27 and Ptn Lots 23 and 24 Sec
11 and Lot 6 Sec 14 Tp 2 S Range
4 W M D M Sale Map No. 10, Salt
Marsh & Tide Lands, Alameda.
United Iron Works vs Surf Beach
Amusement Co, August Freese, A
T Spence, Alameda Park Co, H M
Owens and William Edwards.....\$60
Oct. 3, 1916—LOT 9 BLK 7 Map Re-
sbvn Bk 9, 10, 11, 12, 13, 14 and
Ptn Bk 16 Rock Ridge Terrace,
Okd. Panama Lumber & Mill Co
vs Oakland Invst Co, J R Elrod, J C
and Ellen E O'Connor.....\$359.12
Oct. 3, 1916—LOT 22 BLK 8 Map A
Resbvn of Bk 8 of that portion
Rock Ridge Terrace filed March 16,
1911; filed March 27, 1913, Okd.
Panama Lumber & Mill Co vs Oak-
land Invst Co, J R Elrod, J C and
Ellen E O'Connor.....\$510.87
Oct. 3, 1916—LOT 17 BLK 8 Map Re-
sbvn Bk 8 of part Rock Ridge
Terrace filed March 16, 1911; filed
March 27, 1913, Okd. Panama
Lumber & Mill Co vs Oakland In-
vestment Co, J R Elrod, J C and
Ellen E O'Connor.....\$328.77
Oct. 3, 1916—(1) PTN AUGHIN-

baugh 223.274 Acre Tract; (2) Lots
22, 25, 26, 27 and Ptn Lots 23 and
24 Sec 11 and Lot 6 Sec 14 Tp 2 S
Range 4 W M D M Sale Map No. 10
Salt Marsh & Tide Lands, Alameda.
Panama Lumber & Mill Co vs A T
Spence and Surf Beach Amusement
Co\$430.42
Oct. 3, 1916—LOT 13 BLK 8 A Re-
sbvn Bk 8 of that part of Rock
Ridge Filed March 16, 1911; Filed
March 27, 1913, Okd. Panama Lum-
ber & Mill Co vs Oakland Invest-
ment Co, J R Elrod and J C and
Ellen E O'Connor.....\$238.73
Oct. 3, 1916—LOT 8 BLK 8 A resbvn
Bk 8 of that part of Rock Ridge
Terrace filed March 16, 1911; filed
March 27, 1913, Okd. Panama Lum-
ber & Mill Co vs Oakland Invest-
ment Co, J R Elrod, J C and Ellen
E O'Connor\$358.11
Oct. 3, 1916—LOT 2 BLK "E" Map
Excelsior Heights, Okd. Panama
Lumber & Mill Co vs Oakland In-
vestment Co, J R Elrod, J C and
Ellen E O'Connor\$619.78
Oct. 3, 1916—LOTS 18 AND 19 BLK
"B" Map Broadway Terrace, Okd.
Panama Lumber & Mill Co vs Oak-
land Investment Co, J R Elrod, J C
and Ellen E O'Connor and Country
Club Heights Co.....\$144.11
Oct. 3, 1916—SE BROADWAY 34 NE
Taft Ave NE 35xSE 83, Okd. Pana-
ma Lumber & Mill Co vs Oakland
Investment Co, J R Elrod, J C and
Ellen E O'Connor\$103.49
Oct. 3, 1916—LOT 4 BLK "E" Map
Excelsior Heights, Okd. Panama
Lumber & Mill Co vs Oakland In-
vestment Co, J R Elrod, J C and
Ellen E O'Connor.....\$830.01
Oct. 3, 1916—LOT 8 BLK 7 Map Re-
sbvn Bk 9, 10, 11, 12, 13, 14 and
Ptn Bk 16 Rock Ridge Terrace,
Okd. Panama Lumber & Mill Co
vs Oakland Invst. Co, J C Elrod, J
C and Ellen E O'Connor.....\$526.09
Oct. 3, 1916—PTN LOT 1 Map Rock
Ridge Place, Okd. Panama Lum-
ber & Mill Co vs Oakland Invst Co,
J C Elrod, J C and Ellen E O'Connor
.....\$231.98
Oct. 3, 1916—LOT 15 BLK 8 A resbvn
Bk 8 of that part of Rock Ridge
Terrace filed March 16, 1911; filed
March 27, 1913, Okd. Panama
Lumber & Mill Co vs Oakland In-
vestment Co, J R Elrod, J C and
Ellen E O'Connor\$280.22
C and Gordon J Wiser.....\$51.60
Oct. 4, 1916—PTN LOT 7 BLK "U" Re-
vised Map Oakland Heights, Okd.
H A F Smith vs H Louise Mayon
and C F Fallmer\$35
Oct. 4, 1916—PTN LOT 7 BLK "U" Re-
vised Map Oakland Heights, Okd.
H A F Smith vs C F Fallmer.....\$100
Oct. 4, 1916—LOT 11 Map Showing
Sbvn Alameda Sugar Company's
Fair Ranch, Washington Tp. Fred
J Russell vs Tony D Luiz.....\$146.45
Oct. 5, 1916—PTN LOTS 2 AND 3 BLK
"U" Map Central Piedmont Tract
No. 4, Okd. A F Virgil vs Eunice
C and Gordon J Wiser.....\$51.60
Oct. 9, 1916—LOTS 193 and 195 and
N 15 feet of Lot 197 Terminal Junc-
tion Tract, Albany. J H Jones vs J
W and Madge H Jones.....\$63
Oct. 4, 1916—PTN LOT 7 BLK "U"
Revised Map Oakland Heights,
Okd. Fred R Bammann vs H Louise
Mahon\$14.15
Oct. 4, 1916—PTN LOT 7 BLK "U" Re-
vised Map Oakland Heights, Okd.
Fred R Bammann vs C F Fallmer.....\$36

Oct. 9, 1916—NW SECOND & ADAMS
N 150xW 116, San Lorenzo. Nils
Quist vs Loretta Addison and An-
drew Ramage\$150.01
Oct. 9, 1916—SE TWENTY-FOURTH
Ave 75 SW E-21st SW 37.50xSE
104.66, Okd. Strable Mfg Co vs
William R Crummeys.....\$109.72
Oct. 9, 1916—(1)PTN AUGHINBAUGH
223.274 Acre Tract; (2) Lots 22, 25,
26, 27 and ptn Lots 23 and 24 Sec
11 and Lot 6 Sec 14 Tp 2 S Range
4 W M D M Sale Map No. 10, Salt
Marsh and Tide Lands, Alameda.
Strable Mfg Co vs A T Spence and
Surf Beach Amusement Co.....\$128.51
Oct. 9, 1916—LOT 20 Map Brook-
side Manor, Okd. Hogan Lumber
Co vs Ed Collins, Joseph S Reef
and Frank W Bilger.....\$883.81
Oct. 9, 1916—NE JOHN AND MONT-
gomery N 100xE 55, Okd. Hogan
Lumber Co vs Ed Collins and
Frank Romano\$1120.62
Oct. 9, 1916—LOT 56 Sheet No. 2,
Nova Piedmont. Piedmont. Ham-
mond Lumber Co vs C P and
Mabel T Eggleston.....\$84.44
Oct. 9, 1916—W 37½ LOT 10 BLK
"G" Paradise Park, Bkly. F W
Foss Co vs Florence D McGraw and
William J McGraw\$35.96
Oct. 9, 1916—LOT 20 Map Brookside
Manor, Okd. H H John and C
Post (John & Post) vs Ed Collins,
J S Reef and Frank W Bilger.....\$132
Oct. 11, 1916—NE JOHN AND MONT-
gomery N 100xE 55, Okd. Robert
B MacDonald vs Ed Collins and
Frank Romano\$47
Oct. 11, 1916—NE JOHN AND MONT-
gomery N 100xE 55, Okd. Howard
Co vs Ed Collins and Frank Ro-
mano\$346.25
Oct. 11, 1916—S CHANNING WAY
200 W Telegraph Ave W 40xS 135,
Bkly. Panama Lumber & Mill Co
vs G W Patton & S A Talbert.....\$107.75
Oct. 11, 1916—LOT 20 Map Brook-
side Manor, Okd. Howard Co
vs Ed Collins and H J Reef.....\$226.30
Oct. 13, 1916—LOT 20 Brookside
Manor, Oakland. P Bertinetti vs
Edward Collins, Henry J Reef and
Susan J Reef.....\$50
Oct. 13, 1916—PTN LOT 7 BLK "U"
Revised Map Oakland Heights,
Okd. G L Tyler vs Chas F Fallmer
.....\$49
Oct. 13, 1916—NE JOHN AND MONT-
gomery being No. 98 John St., Okd.
Fred J Jackson, \$134.72; P Ber-
tineti, \$80; Thomas Bally, \$120 vs
Edward Collins, Frank Romano
and Susan Doe Romano.....
Oct. 13, 1916—LOT 20 Brookside
Manor, Oakland. Fred J Jackson
vs Edward Collins, Henry J and
Susan Doe Reef.....\$89.65
Oct. 13, 1916—LOT 20 Brookside
Manor, Oakland. Thomas Bally vs
Edward Collins, Henry J Reef and
Susan Doe Reef.....\$60
Oct. 13, 1916—NE JOHN AND MONT-
gomery N 100xE 55, Okd. Roberts
Mfg Co vs Ed Collins and Frank
Romano\$77.50
Oct. 13, 1916—SE DERRY & CALI-
fornia E 58.70xS 47, Bkly. F W
Foss Co vs Colored M E Church
and J A Stout.....\$41.10
Oct. 13, 1916—NW 55 LOT 7 BLK 5
Howe Tract, Okd. John P Max-
well (Maxwell Hardware Co) vs
E D Collins and Frank Romano.....
\$95.19

SAN JOSE AND THE SANTA CLARA VALLEY

RESURFACING STREET — \$3,115. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. The bid of John W. McDonald, Jr., Bank of Italy Bldg., San Jose, at \$3,115, for resurfacing North First street, from Santa Clara to Saint John, was laid over until the next meeting. It is probable that he will be awarded the contract.

SCHOOL—2 story and base, brick and concrete, \$50,000. South San Francisco, San Mateo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, South San Francisco School District. A complete list of the bids opened for this building will be found under the heading of San Jose and the Santa Clara Valley in this issue. All bids were taken under advisement, and it is generally believed that plans will have to be revised.

SCHOOL—1 story and base, frame, \$15,000. San Carlos, Santa Clara Co., Cal. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, San Carlos School District. Preliminary plans are now being prepared for a four-class room school. Two of the rooms will be open-air class rooms. Beside the class rooms the plans will provide for a library and teachers' room. Further mention will be made of the work.

SCHOOL ADDITION—Frame, \$9,545. San Jose, Santa Clara Co., Cal. Architect, F. G. Aitken, Theatre Bldg., San Jose. Owners, City of San Jose. Charles Thomas, San Jose, presented the low bid for the one-story addition to be made to the Washington School and will probably be awarded the contract on his bid of \$9,545. Bids for the heating system and high pressure water system in the High School were taken under advisement.

SCHOOL—2 story and base, brick and concrete, \$100,000. Watsonville, Santa Cruz Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Watsonville Union High School District. Plans are nearly complete and figures will be taken this week for a fourteen class room building. Besides the class rooms there will be a library and large auditorium. Plans can be secured from the architect's office.

RESIDENCE — 1 story and base, frame. Cost not stated. San Mateo, SEAN Mateo Co., Cal. Architect, C. S. McNally, 46 Kearny street, S. F. Owners, Mr. and Mrs. Wm. B. Kneass. Location, Hayward Park. Will contain six rooms, bath and sleeping porch. Plans complete and work to be let shortly.

SEWER CONSTRUCTION—Cost not stated. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. After three unsuccessful attempts to secure bids for the construction of the Surfside avenue sewer, the City Council has decided to abandon proceeding on the work. It is probable that the work will now be carried on by Day Labor.

HIGHWAY IMPROVEMENTS — Cost not stated. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Salinas. Owners, Monterey County. The County Supervisors at their last meeting approved plans and specifications for the following road work and ordered bids

received up to November 6th at 2 p. m. for the construction of a new road in the King City Road District, on the Arroyo Seco near Piney Creek; also for the reconstruction of the new road in San Antonio Road District on the Milpitas ranch. Plans for the work and full particulars may be had from the County Clerk.

SOUTH SAN FRANCISCO SCHOOL BIDS OPENED

L. G. Bergren & Son Present Low Bid. Minor Changes in Plans Before Contract Is Awarded.

SOUTH SAN FRANCISCO, Cal., Oct. 9, 1916—Bids were opened at the Monday night's meeting of the Board of Education for the construction of a two-story and basement brick and concrete building, designed by Architect W. H. Weeks, 75 Post St., San Francisco.

Bids for this work were taken separately for the general construction; plumbing; heating and ventilating; roofing; electric work; vacuum cleaning, and program clock system.

L. G. Bergren & Son, Call-Post Bldg., San Francisco, presented the lowest bid for the general construction at \$49,872. All bids were taken under advisement until a meeting between the Board and the Architect could be arranged.

Bonds in the amount of \$60,000 are available and it may be necessary to make minor changes in the plans before signing the contract. Following is a complete list of the bids as opened:

General Construction.

McLaren & Peterson.....	\$53,938
L. G. Bergren & Son (low)....	49,872
Harvey A. Klyce.....	57,164
Camahnan & Mulford.....	55,979
Grace & Bernier.....	50,071
Masow & Morrison.....	52,887
Larsen-Sampson Co.....	51,145
Dan R. Wagner.....	54,390
Howard S. Williams.....	53,323
James L. McLaughlin.....	53,599
Bert T. Owsley.....	52,497

Plumbing.

Scott Co.....	\$4,430
Turner Co.....	4,147
Frederick W. Snook Co.....	4,265
W. L. Hickey.....	4,234

Roofing.

Paraffine Paint Co.....(1)\$638 (2)\$...	
H. W. Johns-Manville Co(1) ... (2) 710	
J. W. Bender Roofing Co(1) 610 (2) ...	

Heating and Ventilating.

J. C. Hurley Co.....(1)\$4,621 (2)\$50	
W. Morgan Co.....(1) 4,485 (2) 700	
Murray & Co.....(1) 6,447 (2) 795	
Ideal Heat & Vent. Co(1) 5,252 (2) 600	

Electric Work.

Butte Eng. & Elec. Co.....	\$3,400
The Turner Co.....	2,500
F. E. Newberry Elec. Co.....	2,467
Globe Elec. Works.....	3,060
Asher Elec. Co.....	3,038

Vacuum Cleaning.

Western Vacuum Supply Co.....	\$1,100
Hughson-Merton Co.....	798
S. F. Compressed Air & Mch'y.....	835

Program Clocks.

Standard Electric Time Co.....	\$ 872
Albert S. Samuels Co.....	1,106

BUILDING CONTRACTS

SANTA CLARA COUNTY.

NEAR SARATOGA, Santa Clara County

All work for lathing and plastering for two-story and basement reinforced concrete residence.

Owner.....Charles D. Blaney', Los Gatos Road, Saratoga.

Architect...Willis Polk & Co., Hohart Bldg., San Francisco.

Contractor...Floodberg & McCaffery, Monadnock Bldg., S. F.

Filed Oct. 6, '16. Dated Sept. 27, '16.

On 15th of each month..... 75%

Usual 35 days..... Final

TOTAL COST, \$7200

Bond, \$3600. Surety, Aetna Accident & Liability Co. Limit, March 31, 1917.

Forfeit, \$10. Plans and specifications filed.

TILE ROOFING ON ABOVE.

Contractor...N. Clark & Sons, 116 Na-

toma, San Francisco.

Filed Oct. 6, '16. Dated Sept. 27, '16.

Payments same as above.....

TOTAL COST, \$2485

Bond, \$1250. Surety, Massachusetts

Bonding & Insurance Co. Limit, Feb.

15, 1917. Forfeit, \$10. Plans and specifications filed.

PLUMBING ON ABOVE.

Contractor...J. H. Pinkerton, 2266 Ful-

ton, San Francisco.

Filed Oct. 6, '16. Dated Sept. 27, '16.

Payments same as above.....

TOTAL COST, \$3740

Bond, \$1900. Surety, Guardian Casual-

ty & Guaranty Co. Limit, March 31,

1917. Forfeit, \$10. Plans and specifications filed.

ORNAMENTAL IRON WORK ON

above.

Contractor...Artistic Metal Works, 1426

Howard, San Francisco.

Filed Oct. 6, '16. Dated Sept. 27, '16.

Payments same as above.....

TOTAL COST, \$1165

Bond, \$600. Surety, United States Fi-

delity & Guaranty Co. Limit, March

15, 1917. Forfeit, \$5 per day. Plans

and specifications filed.

BRICK AND TILE WORK ON ABOVE.

Contractor...Eric H. Richardson, Hearst

Bldg., San Francisco.

Filed Oct. 6, '16. Dated Sept. 27, '16.

Payments same as above.....

TOTAL COST, \$2300

Bond, \$1150. Surety, Hartford Ac-

cident & Indemnity Co. Limit, March 1,

1917. Forfeit, \$5 per day. Plans and

specifications filed.

HEATING ON ABOVE.

Contractor...Scott Co., 243 Minna, S. F.

Filed Oct. 6, '16. Dated Sept. 27, '16.

Payments same as above.....

TOTAL COST, \$3600

Bond, \$1500. Surety, New Amsterdam

Casualty Co. Limit, March 31, 1917.

Forfeit, \$10 per day. Plans and spec-

ifications filed.

ELECTRIC WIRING ON ABOVE.

Contractor...McFell Electric Co., 223

Minna, San Francisco.

Filed Oct. 6, '16. Dated Sept. 27, '16.

Payments same as above.....

TOTAL COST, \$2681

Bond, \$1350. Surety, Massachusetts

Bonding & Insurance Co. Limit, March

31, 1917. Forfeit, \$10 per day. Plans

and specifications filed.

PAINTING ON ABOVE.

Contractor, Vincent J. Donovan, 729 Minna, San Francisco.
Filed Oct. 6, '16. Dated Sept. 27, '16.
Payments same as above.

TOTAL COST, \$1900
Bond, \$950. Surety, Massachusetts Bonding & Insurance Co. Limit, May 1, 1917. Forfeit, \$10. Plans and specifications filed.

GARAGE

THIRD ST., bet. Santa Clara and San Fernando Sts., San Jose. All work for one-story reinforced concrete garage.

Owner.....German Methodist Church, 57 S-Third St., San Jose.
Architect.....L. W. Bush.
Contractor.....L. W. Bush, 134 Coe St., San Jose.

Filed Oct. 6, '16. Dated Sept. 12, '16.
As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$1000
Bond, \$2000. Sureties, T. B. and A. L. Hubbard. Limit, Nov. 1, 1916. Forfeit, none. Plans and specifications filed.

RELEASE OF LIENS

SANTA CLARA COUNTY.

RECORDED **AMOUNT**
Oct. 5, 1916—No. 1061 S-TENTH ST., San Jose. T. H. Williams, \$100; A. J. Maisenneuve et al, \$264; Cowell Lime & Cement Co, \$59.80 to Frank Peres

BUILDING CONTRACTS

SAN MATEO COUNTY.

FACTORY

SOUTH SAN FRANCISCO. One-story frame and corrugated iron factory.
Owner.....E. H. Edwards Co.
Architect.....None.
Contractor.....Geo. Wagner, 251 Kearny, San Francisco.

COST, \$—

BUNGALOW

PTN LOTS 7 AND 6 BLK 101, South San Francisco. All work for five-room bungalow with basement.
Owner.....W. R. Waelty, South San Francisco.

Architect.....None.
Contractor.....Ed. Jorgensen.
Filed Oct. 9, '16. Dated Oct. 5, '16.
Framed\$560
Plastered and plumbing done..... 560
When completed 560
Usual 35 days..... 560

TOTAL COST, \$2240
Bond, \$1120. Sureties, P. Pala and Ed. Jorgensen. Limit, 66 days from Oct. 3. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

LOT 7 BLK 22, Easton Addition to Burlingame No. 2. All work for one-story frame dwelling.

Owner.....Beatrice and Ernest G. Lloyd.
Architect.....None.
Contractor.....Henry East.
Filed Oct. 7, '16. Dated Sept. 28, '16.
When framed\$ 500
When plastered 500
When completed 500
Usual 35 days..... 1750

TOTAL COST, \$3250
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

NOTE:—The \$1750 to be paid as follows—\$500 cash and \$1250 in monthly payments of \$10 per month with interest at 7 per cent.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED **ACCEPTED**
Oct. 7, 1916—LOT 30 BLK "U" Peck's Shdvn No. 1, South San Francisco. H C Cassen to J W Walker.....
.....Oct. 3, 1916
Oct. 9, 1916—LOT 71 BLK "C" Mission Street Tract. Antanasia Dairla to whom it may concern.....Oct. 4, 1916
Oct. 10, 1916—SELBY LANE, Atherton. Angel Guirola to F W Fox.....
.....Sept. 29, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES

ROAD IMPROVEMENT—\$10,000. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. Marin County's scenic road, the Bolinas-San Rafael highway, is to be made immediately available. The Marin Supervisors have adopted a resolution calling for bids for widening the stretch from the town of Bolinas to the summit of the Bolinas ridge. It is the intention of the Board to widen the road 20 feet. Plans for the work may be had from the County Clerk.

HIGHWAY CONSTRUCTION—Cost not stated. Sonoma, Sonoma Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids were opened by the State Highway Commission for constructing approximately three and one-half miles of highway located in Sonoma County between Sonoma and Cotati. W. C. Price & Co., 211 Clay street, San Francisco, presented the lowest bid at \$12,224.50. A complete list of the bids received will be found under the heading of Marin, Contra Costa and Sonoma Counties.

BRIDGE AND ROAD CONSTRUCTION—Cost as follows. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. The Board of Supervisors at their last meeting took the following action on road contracts: D. E. Albers, 473 Ellis street, Santa Rosa, awarded contract for Sausal Creek bridge on his bid of \$1,350. The contract for the construction of the Harbinger bridge on the Sebastopol and Forestville road was awarded to The Cal Construction Co. for \$371.

WAREHOUSE ADDITION—1 story, concrete and frame, \$9,000. Petaluma, Sonoma Co., Cal. Architect, Brainerd Jones, 110 Washington street, Petaluma. Owners, Golden Eagle Milling Co. Building will cover a large ground area. Special machinery to be installed. Plans are being prepared.

ROAD CONSTRUCTION—\$9,000. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. The Sonoma County Supervisors at their last meeting rejected the bid of E. T. Stoddard at \$9,750 for the construction of several miles of road in the Austin Permanent Road District. It is probable that new bids will be called.

STORES—1 story and base, frame. Cost not stated. Ross Valley, Marin Co., Cal. Architects, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owner,

H. S. Scott. Will contain five stores. Plans being prepared.

Contracts Awarded.

SEWER CONSTRUCTION—\$2,982.55. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Contractors, Worswick Construction Co., Fresno. Contract price, \$2,982.55.

RECEIVE FIGURES FOR STATE HIGHWAY.

Three and a Half Mile Grading Job in Sonoma County Will Probably Be Awarded at Next Meeting.

(By Special Wire)

SACRAMENTO, Cal., Oct. 9th, 1916.—Bids were opened today by the State Highway Commission for constructing approximately three and one-half miles of highway located in Sonoma County, between Sonoma and Cotati. W. C. Price & Co., 211 Clay street, San Francisco, presented the lowest bid at \$12,224.50. Following is a complete list of the bids received:

State Highway Construction.
Bates-Borland & Ayer, Oakland\$18,484.20
W. C. Price & Co., S. F. 12,224.50
G. W. Connors, Eureka..... 20,841.00
A. J. Fairbanks, Willits..... 23,067.40
W. J. Schmidt, Berkeley..... 16,951.35
T. M. Olney, Oakland..... 17,869.00
Spring Constr. Co., Berkeley, 24,231.80
Contra Costa Con. Co., Bkly., 22,539.90
P. A. Hoare, Oakland..... 22,713.80
J. S. Fitzpatrick, Sacramento, 18,252.00
A. T. Brady, S. F..... 27,542.60
J. A. Marshall, Berkeley..... 17,240.00
D. O. Church, S. F..... 19,042.10
William B. Hoag, S. F..... 18,204.05

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

IRRIGATION PROJECT—\$500,000. Terra Bella, Tulare Co., Cal. Engineer, Stephen E. Kieffer, 57 Post street, S. F. Owners, Terra Bella Irrigation District. Bids will be received up to and including 3 p. m. on November 13th for the construction of the first unit of the Terra Bella Irrigation District, Tulare County, which will include 16 wells and five pumping stations.

BRIDGE AND CULVERTS—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on November 9th for grading and construction of bridges and culverts on Division 10, Section 9, Bakersfield-Mojave road, being that portion lying between the Keene School and the summit of Old Town grade, length approximately 12.3 miles.

HOSPITAL ADDITION—2 story and base, reinforced concrete, \$55,000. Fresno, Fresno Co., Cal. Architects, Glass & Butler, Republican Bldg., Fresno. Owners, Fresno County. Location, County Hospital grounds. Will cover an area of 158 1/2 by 85 feet. Plans complete and figures being taken.

LIBRARY HEATING SYSTEM—Cost not stated. Madera, Madera Co., Cal. Architects, Coates & Travers, Rowell Bldg., Fresno. Owners, Madera County. Bid will be opened on October 28th at 10 a. m. for the heating system to be installed in the new library building.

Plans can be secured from the architects.

IRRIGATION WORK—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, Chief Engineer, Modesto, Owners, Modesto Irrigation District. All bids for lining approximately 700 feet of the main canal with concrete were rejected as being too high. Thurston & Co., 57 Post street, S. F., presented the lowest figure at \$6,969. New bids were ordered received up to November 2nd.

CEMENT—Cost not stated. Fresno, Fresno Co., Cal. Engineer, County Surveyor, Fresno. Owners, Fresno County. Bids will be opened on November 5th for furnishing the County of Fresno with 1,890 barrels of Portland cement, f. o. b., Fowler, Cal., in the original packages, with the brand and name of the manufacturer plainly marked thereon at the time of delivery. Said Portland cement shall conform to the Standard specifications for Portland cement adopted by the American Society for Testing Materials of August 16, 1909, and amendments thereto, supplemental and amendatory thereof. If cement is delivered in cloth bags, all such bags have to be returned to the bidder f. o. b. Fowler, Cal.

ROAD ROLLER—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on November 8th for furnishing a gasoline road roller. Full particulars from the County Clerk.

BRIDGE—Reinforced concrete. Cost not stated. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. Bids will be received by the Board of Supervisors up to 2 p. m. of October 25th for constructing a reinforced concrete 50-foot bridge across Deep Creek near the Bliss ranch, about 6 miles south of Visalia, in accordance with plans and specifications.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOT 6 BLK 17 Alta Vista Tract, Fresno Dwelling and garage.

Owner.....Geo. Beall, Vineyard Temperance Colony, Fresno.

Architect...None.

Contractor..Fred Stone, 2067 Mariposa St., Fresno.

COST, \$3000

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

HIGHWAY IMPROVEMENT—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Bids will be opened on October 20th at 10 a. m. for grading and graveling work and installation of culverts on the Grant Line and Lammers Ferry roads, from the intersection of the Grant Line road with the east line of the State highway in Sec. 13, T. 2 S., R. 4 E., M. D. B. and M., east 2,325 feet, thence north on the Lammers Ferry road 9,900 feet.

BRIDGE—Timber. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Bids will be opened

on October 25th at 10 a. m. for the construction of a wooden bridge across a slough on the road to the citrus farms in Road District No. 3.

BRIDGE AND DIKE WORK—Cost as follows. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. The County Supervisors received only one bid at their last meeting for the construction of the Ohman Creek bridge, that of the Mercer-Fraser Co., First and G streets, Eureka, at \$2,887. But one bid was received for the construction of a dike near Arcata for road purposes at \$1,200. This being submitted by the Suisun Dredging Co. It is probable that the contracts will be awarded to the bidder in each case.

Contracts Awarded.

STREET PAVING—12.2 cents per square foot. Woodland, Yolo Co., Cal. Engineer, City Engineer, Woodland. Owners, City of Woodland. Contractors, Clark & Henery Co., Stockton. Contract price, 12.2 cents per square foot.

LIBRARY—3 story and base. Class C construction, \$130,000. Sacramento, Cal. Architect, Loring P. Rickford, Sharon Bldg., S. F. Owners, City of Sacramento. Contractors, Knowles & Mathewson, Cali-Post Bldg., S. F., general construction except structural steel. Contract price, \$75,000. Bids now being taken for the structural steel and iron.

HIGHWAY IMPROVEMENT—\$8,861.50. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, Cy Moring & Sons, Commercial and Savings Bank Bldg., Stockton. Contract price, \$8,861.50.

ROAD IMPROVEMENT—\$5,800. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractors, Hewitt & Felch, Palermo. Contract price, \$5,800.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

BRICK FACTORY

NO. 1300 U ST., on Lots 1 and 2 Blk U, V, 12th and 11th Sts., Sacramento. One-story brick factory.

Owner.....Adolph Teichert, Ochsner Bldg., Sacramento.

Architect...C. K. Aldrich, 1316 I St., Sacramento.

Contractor..Teichert & Ambrose, Ochsner Bldg., Sacramento. COST, \$15,000

ADDITIONS

NO. 3320 SACRAMENTO AVE., on Lot 3 Blk 20, South Sacramento. One-story addition to rear of store.

Owner.....A. A. Torple.

Architect...None.

Day's work. COST, \$550

REPAIRS

HOUSE TO BE MOVED FROM TENTH and M streets N 84 feet 6 inches of Lot 4 Blk M, N, 8th and 9th Sts., Sacramento. Remodel and repair frame tenement.

Owner.....Theo. Blauth, 824 M St., Sacramento.

Architect...None.

Contractor..Chas. Vanina, 2022 M St., Sacramento. COST, \$9500

Wednesday, Oct. 18, 1916.

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED

ACCEPTED

Oct. 7, 1916—LOT 4, L. M, 27TH AND 28th Sts., Sacramento. Scottish Rite Cathedral Ass'n of Sacramento to Central Iron Works..Oct. 4, 1916

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

BRICK ROOMING HOUSE

BLK 10 LOT 13, East of Center St., Stockton. Electrical wiring, including electrical bells complete, and all electrical wiring for lights for three story and basement brick rooming house.

Owner.....G. B. Gianelli, 437 E-North St., Stockton.

Designer...C. C. Blair, Stockton.

Contractor..C. E. Stanley, C. D. Bass and C. J. Franke, 1400 E-Oak St., Stockton.

Filed Sept. 21, '16. Dated Sept. 19, '16.

On 1st of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$112,930

Bond, \$600. Surety, Hartford Accident & Indemnity Co. Limit, 80 working days. Forfeit, \$5 per day. Plans and specifications filed.

PLUMBING, HEATING PLANT, SHEET metal work and connection with street sewer on above.

Contractor..Brandt Bros., 15 South Eldorado St., Stockton.

Filed Sept. 21, '16. Dated Sept. 19, '16.
Payments same as above.....

TOTAL COST, \$5660

Bond, \$2900. Sureties, C. H. Brandt and L. Brandt. Limit, 80 working days. Forfeit, \$5. Plans and specifications filed.

LATHING AND PLASTERING ON above.

Contractor..Charles Norton, 627 N. Sierra Nevada, Stockton.

Filed Sept. 21, '16. Dated Sept. 19, '16.
Payments same as above.....

TOTAL COST, \$1938

Bond, \$970. Sureties, I. J. Stein and Robert J. Smith. Limit, 80 working days. Forfeit, \$5. Plans and specifications filed.

BRICK WORK ON ABOVE.

Contractor ..E. L. Morrison, 1812 S. Grant St., Stockton.

Filed Sept. 21, '16. Dated Sept. 19, '16.
Payments same as above.....

TOTAL COST, \$2325

Bond, \$1189. Sureties, A. Morrison and I. F. Stein. Limit, 40 working days. Forfeit, \$5. Plans and specifications filed.

COMPOSITION ROOFING ON ABOVE.

Contractor..C. A. Lease, 812 N-Sutter St., Stockton.

Filed Sept. 21, '16. Dated Sept. 19, '16.
Payments same as above.....

TOTAL COST, \$245

Bond, \$175. Sureties, J. A. Kelly and W. E. French. Limit, 80 working days. Forfeit, \$5. Plans and specifications filed.

PAINTING ON ABOVE.

Contractor..A. B. Podesta, 1 1/2 miles West Lane, Stockton.

Filed Sept. 21, '16. Dated Sept. 19, '16.

Payments same as above.....
TOTAL COST, \$627
 Bond, \$320. Sureties, Everett Ulof and G. Ghiglieri. Limit, 80 working days. Forfeit, \$5. Plans and specifications filed.

CARPENTER WORK, MILL WORK,
 iron and steel, hardware and nails on above.

Contractor...C. C. Blair.
 Filed Sept. 21, '16. Dated Sept. 19, '16.
 Payments same as above.....

TOTAL COST, \$9522
 Bond, \$4761. Surety, U. S. Fidelity & Guaranty Co. Limit, 80 working days. Forfeit, \$5. Plans and specifications filed.

CONCRETE WORK, including side walks on above.

Contractor...Angelo Palessi.
 Filed Sept. 21, '16. Dated Sept. 19, '16.
 Payments same as above.....

TOTAL COST, \$1350
 Bond, \$760. Sureties, Matteo Santini and Luigi Amendola. Limit, 80 working days. Forfeit, \$5. Plans and specifications filed.

BRICK ROOMING HOUSE

NO. 311 E-EDDORADO ST., Stockton.
 All plaster work for three-story and basement brick rooming house.

Owner.....Stefano Sanguinetti Co., 638 N-Ophir St., Stockton.
 Architect...Sala & Mayo, Commercial Savings Bk Bldg., Stockton

Contractor...Joseph Chirhart, 1048 N-Sierra Nevada St., Stockton
 Filed Oct. 7, '16. Dated Oct. 4, '16.

On 3rd of each month..... 75%
 On completion 25%

TOTAL COST, \$517
 Bond, \$250. Surety, Tom Scally and A. F. Flannigan. Limit, forfeit, none. Plans and specifications filed.

ALL SHEET METAL WORK ON
 above.

Contractor...Valley Sheet Metal Works (A. J. Veregge), 229 E-Anderson St., Stockton.

Filed Oct. 7, '16. Dated Oct. 4, '16.
 Payments same as above.....

TOTAL COST, \$261
 Bond, \$140. Sureties, Geo. H. Gibson and P. M. Boscoe. Limit, forfeit, none. Plans and specifications filed.

FURNISH AND ERECT STRUCTURAL
 steel work on above.

Contractor...Builders Iron Works, 318 E-Lafayette St., Stockton.
 Payments same as above.....

TOTAL COST, \$500
 Filed Oct. 7, '16. Dated Oct. 5, '16.
 Bond, \$250. Sureties, A. C. Feck and E. L. Seiler. Limit, forfeit, none. Plans and specifications filed.

ALL PAINTING ON ABOVE.

Contractor...A. B. Podesta, West Lane, 1 1/2 miles from Stockton.

Filed Oct. 7, '16. Dated Oct. 4, '16.
 Payments same as above.....

TOTAL COST, \$225
 Bond, \$125. Sureties, Geo. F. Fogacci and Louis Marengo. Limit, forfeit, none. Plans and specifications filed.

COMPLETE ALL ROOFING AND FUR-
 nish material on above.

Contractor...Stockton Roofing Co.

Filed Oct. 7, '16. Dated Oct. 4, '16.

Payments same as above.....
TOTAL COST, \$30
 Bond, limit, forfeit, none. Plans and specifications filed.

ALL CARPENTER, MILL, HARD-
 ware and glass work on above.

Contractor...J. P. Shepherd, 1031 W-Vine St., Stockton.

Filed Oct. 7, '16. Dated Oct. 4, '16.
 Payments same as above.....

TOTAL COST, \$3367
 Bond, \$1700. Sureties, J. H. Miller and W. H. Post. Limit, forfeit, none. Plans and specifications filed.

ALL BRICK AND CONCRETE WORK
 on above.

Contractor...A. W. Cowell, 1231 N-Sutter St., Stockton.

Filed Oct. 7, '16. Dated Oct. 4, '16.
TOTAL COST, \$1928

Bond, \$975. Sureties, I. F. Stein and E. C. Marks. Limit, forfeit, none. Plans specifications filed.

SET & FURNISH TILE FOR THREE
 vestibules, including concrete and furnish 3 cast iron bronze plated grills on above.

Contractor...H. P. Fisher, 318 N-California St., Stockton.

Filed Oct. 7, '16. Dated Oct. 4, '16.
TOTAL COST, \$54

Bond, limit, forfeit, none. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA

DRAINAGE SYSTEM—\$96,000. Long Beach, Los Angeles Co., Cal. Engineer, R. V. Pearsall, First National Bank Bldg., Long Beach. Owners, Signal Hill Drainage District. The Signal Hill Drainage District will shortly call for bids for 11,266 feet of 48-inch reinforced concrete pipe to be laid in trench averaging 11.4 feet in depth, 31,000 cubic yards of clay and sand excavation. The pipe will be laid for the greater part below water level. The district embraces about three square miles.

SEWER SYSTEM—Cost not stated. Los Angeles, Cal. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Bids will be opened on October 23rd at 10 a. m. by the Board of Public Works for the construction of a sewer system in the Florence Avenue Sewer District, involving the following approximate quantities: 122 feet 42-inch concrete or 2-ring common brick, 4,048 feet 38-inch brick or concrete, 3,593 feet 34-inch brick or concrete, 5,433 feet 30-inch brick or concrete, 5,229 feet 20-inch double strength vitrified pipe with \$2 20x6-inch T's and 72 20x6-inch Y's, 2,678 feet 18-inch double strength vitrified pipe with 50 18x8-inch T's, 2,654 feet 16-inch vitrified pipe, 1,165 feet 12-inch vitrified pipe, 1,216 feet 8-inch vitrified pipe, 2,427 feet 10-inch cement pipe, 5,677 feet 6-inch house connections with 176 6x6-inch bends, 25 manholes "B," 15 manholes "C," 5 junction chambers "F," 4 junction chambers "N," 7 drop manholes "C," 22 drop manholes "T," 1 flush tank and 1 flushing manhole "E." 81 manhole cover sets, 265 chimney pipe "B," 165 chimney pipe "1." Total length of sewer 34,245 feet. Plans and specifications are available to contractors at the City Engineer's office.

HIGHWAY IMPROVEMENT—\$52,115.61. Los Angeles, Cal. Engineer, County Surveyor, Los Angeles. Owners, Los Angeles County. S. C. Contracting Co., 543 Title Insurance Bldg., Los Angeles, was the lowest bidder at \$52,115.61 for improving 2.21 miles of Beverly road and Scenic road, known as Road Improvement District No. 126, under the 1907 Act. Beverly road will be paved with concrete 18 feet wide, 5 inches thick with 3 1/2-feet oiled shoulders. Scenic road will be graded 16 feet wide.

PAVING—Cost not stated. Ventura Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Bids will be opened on October 28th by the Board of Supervisors for paying of Casillas bridge, La Crosse bridge, Mantalvo bridge extension, Saticoy bridge extension, Sespe bridge and Sespe concrete trestle, according to plans and specifications on file in the office of the County Surveyor. The approximate quantities are 47,798 square feet oil macadam pavement and 11,660 feet B. M. 1x5 O. P. battens. J. B. McCloskey, County Clerk.

PROTECTION WORK—Cost not stated. San Bernardino, San Bernardino Co., Cal. Engineer, County Surveyor, San Bernardino. Owners, San Bernardino County. Bids will be received by the Board of Supervisors up to 11 a. m. of October 20th for the construction of protection work along the Mojave River near Barstow, and for repairs and addition to the bridge now in place at the Barstow Crossing on the Mojave River, in accordance with plans and specifications on file at the office of the Clerk of the Board. Certified check of 10 per cent required. L. R. Patty is Clerk of the Board.

WAREHOUSE—7 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, none. Owner, Lyon Fireproof Storage Co. Contractors, Richards-Neustadt Construction Co., Wright and Callender Bldg., L. A. Contract price not stated. Building will cover an area of 80 by 80 feet.

BRANCH CITY HALL—2 story and base, brick, \$24,100. Van Nuys, Los Angeles Co., Cal. Architect, J. J. Backus, Chief Building Inspector, Los Angeles. Owners, Town of Van Nuys. Contractors, Edwards & Wildey Co., L. A., presented the lowest figures for this work at \$25,100. All bids have been referred to Architect Backus.

POWER PLANT PROJECT—Cost as follows. Los Angeles, Cal. Engineer, Public Service Commission, Los Angeles. Owners, City of Los Angeles. The City of Los Angeles Public Service Commission has applied to the State Water Commission for permission to appropriate 10 second feet of the waters of Cartago Creek in Inyo County. The proposed diversion relates to one of the units of the power scheme of the city of Los Angeles. The application sets forth that the applicant proposes to divert the water into the Los Angeles aqueduct, 232 miles long by means of a concrete flume, and gives the estimated cost of the power and aqueduct plants at \$32,000,000.

RESIDENCE—2 story and base, frame, \$60,000. Los Angeles, Cal. Architect, A. B. Benton, 111 North Spring street, L. A. Owner, Dr. E. A. Bryant. Location, 3210 West Adams street. Will cover an area of 135 by 95 feet and contain 20 rooms, seven baths and

sleeping porch. Separate garage. Plans complete and figures being taken.

ROAD IMPROVEMENT—\$52,112.61. Los Angeles, Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. The S.-C. Construction Co., Title Insurance Bldg., L. A., submitted the lowest bid for improvements in Road District No. 126 and will be awarded the contract. Contract price, \$52,112.61.

ROAD IMPROVEMENT—\$16,728. Santa Ana, Orange Co., Cal. Engineer, County Surveyor, Santa Ana. Owners, Orange County. Brashear-Burns Co., Van Nuys Bldg., L. A., submitted the low bid for about three miles of highway improvement and will probably be awarded the contract at the next meeting of the Board of Supervisors.

STREET IMPROVEMENT—\$53,715.75. Chino, San Bernardino Co., Cal. Engineer, City Engineer Paul E. Kressly, Chino. Owners, City of Chino. The California-Arizona Construction Co., 1700 Washington street, L. A., presented the lowest figures for improving streets in Chino. All bids were taken under advisement.

Contracts Awarded.

IRRIGATION CANALS—\$34,525. Los Angeles, Cal. Engineer's name not given. Owners, Dominguez Estate Co., Title Insurance Bldg., L. A. Contractor, T. J. Shea, 2029 Oxford avenue, Los Angeles, was awarded contract at \$31,525 for constructing 21,000 linear feet of canal starting at Harbor Boulevard, crossing Nigger Slough and running south to an ocean outlet, to drain 1,800 acres.

RESIDENCE—2 story and base, hollow tile. Cost not stated. Los Angeles, Cal. Architects, The Milwaukee Bldg., Co., Wright & Callender Bldg., L. A. Owner, R. T. Gaffney, L. A. Contractors, The Milwaukee Building Co., Wright & Callender Bldg., L. A. Contract price not stated.

RESIDENCE—2 story and base, hollow tile construction, \$50,000. Los Angeles, Cal. Architects, The Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, D. A. Mizener, 1103 Haas Bldg., L. A. Contractors, The Milwaukee Building Co., Wright and Callender Bldg., L. A. Contract price, \$50,000.

APARTMENT HOUSE—2 story and base, frame, \$25,000. Los Angeles, Cal. Architect, none. Owner, M. M. Olin. Contractors, Taylor Bros., Black Bldg., L. A. Contract price, \$25,000.

DETENTION ADDITION—2 story, brick, \$17,277. Santa Barbara, Santa Barbara Co., Cal. Architect, Roland F. Sauter, 328 San Marcos street, Santa Barbara. Owners, Santa Barbara County. Contractors, The Kling Co., 1613 East 15th street, L. A. Contract price, \$17,277.

STREET IMPROVEMENT—\$29,437.54. Los Angeles, Cal. Engineer, City Engineer, L. A. Owners, City of Los Angeles. Contractors, Los Angeles Paving Co., 2900 Santa Fe avenue, L. A. Contract price, \$29,437.54.

STREET PAVING—\$26,455.48. San Bernardino, San Bernardino Co., Cal. Engineer, City Engineer, San Bernardino. Owners, City of San Bernardino. Contractors, Highway Construction Co., First National Bank Bldg., Highland. Contract price, \$26,455.48.

PORTLAND AND OREGON

THEATRE, STORES AND OFFICES—3 story and base, brick. Cost not stated. Enterprise, Ore. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owner, L. W. Riley. Location, Main and West streets. Besides the theatre and stores the building will be arranged for both offices and apartments. Plans are being prepared.

SCHOOL—2 story and base, concrete and stucco. Cost not stated. Paisley, Ore. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Paisley School District. Will cover an area of 79 by 108 feet and contain nine rooms and a large auditorium. Plans being prepared.

WAREHOUSE—3 story and base, brick and concrete, \$28,000. Portland, Ore. Architects, Houghtaling & Dougan, Henry Bldg., Portland. Owner, Rodney L. Glisan, leased to Winton & Haynes Auto Co. Location, northwest 10th and Burnside streets. Will cover a considerable ground area. Plans complete and figures being taken.

SEATTLE AND WASHINGTON

POST OFFICE—2 story and base, brick and steel. Cost not stated. Wenatchee, Wash. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be opened on November 10th for the construction of this building. Revised plans are now available from either the Supervising Architect or the Custodian of the site. An official proposal appears in another column of this issue.

STORES—1 story and base, brick and concrete, \$30,000. Seattle, Wash. Architects, Webster & Ford, Lyon Bldg., Seattle. Owners, Frank Ehlright & Co. Location, Westlake avenue and Stewart street, covering an area of 150 by 150 feet. Plans being prepared.

Contracts Awarded

FREIGHT SHEDS—1 story, steel and corrugated iron, \$125,000. Vancouver, B. C. Engineer, Engineering Department Canadian Northern Railway. Owners, Canadian Northern Railway. Contractors, Nettleton, Bruce & Eschbach, American Bank Bldg., Seattle. Contract price, \$125,000.

DEPARTMENT STORE HEATING, VENTILATING AND PLUMBING—Cost as follows. Seattle, Wash. Architect, John Graham, Green Bldg., Seattle. Owners, Frederick & Nelson Department Store. Contractors, Rautman Plumbing and Heating Co., Seattle, heating and ventilating. Contract price, \$55,000. P. J. Glennon, Seattle, plumbing. Contract price, \$35,000.

HIGHWAY NOTES.

The Portland Cement Association is planning to undertake some time between October 15 and November 15, a comprehensive survey of all concrete roads in the United States, the object being to determine their condition and to confer with local road authorities everywhere as to maintenance or any similar attention that such roads may need. It is intended to so record the findings of this survey that there will be in existence a real history of the concrete roads at present in the United States.

The first real concrete road Contra Costa County, Cal., was recently started. This will be under constant inspection of a representative of the Portland Cement Association. The new Cowell finishing machine is being used on this work and reports say that the machine eliminates the formation of rolls or waves on the surface. The concrete screened as customary and also subjected to a tamping action which tends to eliminate air bubbles. In fact some of the concrete removed from the road shows the top inch or inch and a half to be much denser than that near the subgrade.

The William Penn Highway Association has started a movement to have Pennsylvania again vote on \$50,000,000 good roads bond issue in 1918. This proposition was defeated three years ago because of opposition from farmers. Efforts are also being made to appropriate \$5,000,000 annually for two years, at the next session of the Pennsylvania legislature, the funds to be added to the income from automobile license fees and other sources to increase the funds available for the State Highway Department.

A. N. Johnson, Consulting Highway Engineer for the Portland Cement Association is making an extended tour through the west, keeping a number of important engagements with highway engineers and others, looking toward good roads extensions. Among these will be one with the Lincoln Highway authorities relative to the concrete road that is to be laid across the desert west of Great Salt Lake. Automobile interests have contributed the funds for this work and President Joy of the Lincoln Highway Association has asked Mr. Johnson to make a survey of the route and present a report on the feasibility of using concrete.

Concrete paving has often proved its adaptability to steep grades. So far as is known, the steepest grade upon which concrete has been used is in Los Angeles. The Portland Cement Association, 111 West Washington Street, Chicago, has recently distributed a photographic reproduction of Baxter street, Los Angeles, showing the concrete pavement mentioned, where grades range from 11 to 29 per cent and some people say concrete is not suited to steep grades.

AUGUST FOREIGN TRADE STATISTICS.

American exports in August last set a new high record, rising to 510 million dollars and exceeding by 35 million the former record made in May, and by 4 million the total for June, 1916. Preliminary figures announced by the Bureau of Foreign and Domestic Commerce of the Department of Commerce show exports valued at \$509,778,680 compared with \$260,609,395 in August, 1915, and \$110,367,494 in August, 1914. For the year ended with August exports exceeded 4½ billion dollars in value, exceeding by 1½ billion the total for the corresponding period one year ago and by 2½ billion that for a like period two years ago.

August imports aggregated \$199,247, 391 in value, being 47 million dollars less than the high record shown by June but exceeding any previous August. This year's monthly total compares with 142 million in August, 1915, and 130 million in August, 1914. Twelve months' imports to August 31 of the present year totaled 23-10 billion dollars, which was 625 million dollars more than the total for the preceding year and 388 million more than that for a like period two years ago.

Of the August imports, 66.5 per cent entered free of duty, compared with 67.5 per cent in August, 1915.

The favorable trade balance for August was 311 million dollars, comparing with an export balance of 119 million in August, 1915, and an import balance of 19 million in August, 1914. For the 12 months to August 31, 1916, the export balance was 2,465 million dollars, as against 1,263 million in the preceding year and 374 million two years ago.

The net inward gold movement for the month of August was 29 million and for the year 410 million dollars, a record total. Last year the net inward gold movement was 146 million and two years ago a net outward movement of 95 million. Gold imports in August were \$11,238,716, compared with \$61,641,191 in August, 1915, and \$3,045,219 in August, 1914. Gold exports in August were \$11,750,129, against, \$1,123,428 in August, 1915, and \$18,125,617 in August, 1914. The year's gold imports were \$518,451,553, as against \$214,035,950 last year and \$59,312,328 two years ago; while gold exports in 1916 were \$108,104,549, compared with \$97,749,270 last year and \$153,934,944 for the 12 months ending with August, 1914.

KNIGHT'S LANDING DRAINAGE.

WOODLAND—Reclamation District 108, above Knights Landing, have let contracts for the building of 32 miles of drainage ditches. The completion of the work will give this district 180 miles of ditches. At the present time the trustees of the district have men engaged in constructing a \$25,000 concrete pump in the pumping plant and \$15,000 worth of headgates at the Howell point levy.

UNCLE SAM'S MAPS AT A PREMIUM.

That Uncle Sam's topographic maps are appreciated by public-utility corporations is shown by the fact that telephone companies throughout the United States are constant purchasers. These companies send frequent orders to the Geological Survey, Department of the Interior, for its maps in lots of 250 or 500, and occasionally when some big contract has been landed as many as 1,000 maps are ordered at a time for the use of the engineers and linemen. Some electrical-supply companies keep complete sets of the maps of areas in States in which they expect to do extended work, and when they hear that contracts are to be let for such work they refer to these maps, and with the "lay of the land" before them can tell at a glance the character of the work that will be required and can make their bids promptly and intelligently. The telephone officials who are "using the maps extensively" state to the Survey that they are of "indispensable value" in their work.

PACIFIC MAIL STEAMSHIPS RUNNING TO CRISTOBAL.

COLON, Panama, Sept. 16.—It is announced that when the *San Jose* of the Pacific Mail Steamship Co. sailed from Balboa on September 12 for Guayaquil via Buenaventura and Tumaco it was the first vessel of that company to sail for a port south of Balboa in 40 years. On the return trip from Guayaquil by way of intermediate ports to Balboa the *San Jose* will come through the Panama Canal to Cristobal on the Atlantic side, which will be the terminus of this line in future. The principal office of the company on the Isthmus has been moved from Balboa to Cristobal-Colon.

OROVILLE IRRIGATION.

OROVILLE—The first step toward the formation of a mutual company for the irrigation of several thousand acres of land south of this city, was taken at a meeting of the irrigation committee of the Chamber of Commerce. The committee was a unit in favor of the formation of a mutual company. An effort will be made immediately to ascertain from the Western Canal Co. the minimum number of acres that would have to be signed up before the company would be granted the land owners to pay for water rights.

LEAD.

The statement on lead issued annually by the United States Geological Survey, Department of the Interior, is now available for distribution for the year 1915. The total production of refined lead in the United States for the year is given at 550,055 short tons.

LUMBER SITUATION IN CHILE.

Previous to May, 1916, the Chilean import duty on rough "pino," that is Oregon pine, or Douglas fir, was 15 centavos Chilean gold (\$55 United States currency) per square meter (10.761 square feet), but to this there had been added a surtax of 5 per cent of its legal value, amounting to 3 centavos Chilean gold. That is, the total import duty was 18 centavos per square meter, or \$6.10 per thousand feet.

Under the new tariff which governs today there is a specific import duty on "pino" of 30 centavos per square meter, or \$10.17 United States gold per thousand feet. A short time previous to the addition of the new duty the market value of rough "pino" was from \$50 to \$55 United States gold per thousand feet, so the increase in price due to the higher duties would hardly be more than 8 per cent. As a matter of fact the present local price is from \$65 to \$70 per thousand feet, due to the condition of stock, increasing freight rates, import duties, and exchange fluctuations. This last item alone often amounts to 5 per cent, and sometimes even 10 per cent, one way or another, within a month, and it may be assumed that \$4.07 increase due to altered import duties would not be a factor of great importance to the consumer.

It happened that this increase of price went into effect about the time there was a sudden improvement in exchange, and there was really a decrease in the price of lumber in Chilean currency almost simultaneous with the increase in gold value.

Slight Variations in Prices of Native Woods.

The quotations on native woods have not varied greatly, as this material is being used chiefly in cheap construc-

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries
ETC.**

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

tion, and the small demand has continued. American lumber is used principally in first class construction of which there is very little at the present time, and the demand is poor. American lumber has no serious competitor, and the Chilean consumers do not buy it because it is cheap but rather because of its quality.

A notable decrease in imports of Northwest American lumber is shown in the following approximate figures: 1913, \$1,160,000; 1914, \$958,000; 1915, \$500,000.

It is obvious that construction was falling off rapidly even previous to the adoption of the new tariff. It is doubtful if general construction will begin in Chile until the effect of the European war on the nitrate industry is known. If this effect is highly detrimental, construction will probably be postponed for some time, while if it is not in any way adverse, there should be a boom period when the slight difference in price would have little effect. The comparatively small stocks carried here would undoubtedly rise rapidly in price, in pure sympathy with the demand.

FORESTRY EXHIBIT TO BE SHOWN AT INTERNATIONAL SOIL PRO- DUCTS EXPOSITION, EL PASO, TEXAS.

WASHINGTON, October 7, 1916—An exhibit devoted to forest windbreak planting, the preservative treatment of farm timbers, and the administration of the National Forests in their relation to the farmers of the West has been prepared for the International Soil Products Exposition at El Paso, Texas, October 14 to 24.

The central feature of the display is a miniature growing windbreak made of young trees of the various species suited for windbreak planting in the Southwest and properly spaced, as they would be in a full-grown shelter-belt. Daily demonstrations of the proper manner of tree planting will be given at this exhibit.

Two models of 160-acre farms, one in the North and one in the South, show the proper location and composition of windbreaks. The shelter afforded by rows and groves of the proper kinds of trees upon farms in the subhumid regions of the United States is most important in the economics of the farming in these regions. Crops and livestock will thrive better and the homestead will be more comfortable if sheltered from the drying winds of summer and the chilling winds of winter by well placed windbreaks. It is important, however, that the right species be selected, that they be spaced properly and handled wisely. Information concerning these matters is given on charts showing prevailing winds during the growing season in various regions, the species suitable for different regions, and in "Ten Rules for Windbreak Owners" and "Fourteen Don'ts for Tree Planters." Colored enlargements, transparent pictures, and stereopticon views of windbreaks and windbreak handling will also be shown.

Another feature of the exhibit will be an actual working model of two types of post-treating plants suitable for use by farmers in treating fence posts and other farm timbers with pre-

servatives. Many species of timber which rot quickly in contact with the ground, if treated with preservatives can be made to last three and four times longer than if left untreated.

The system of fire protection upon the National Forests will be shown, by the miniature of a typical lookout tower from which the Forest guard watches for signs of fire, the telephone system with the wire strung on swinging insulators from the trees, the weatherproof telephone for use at exposed situations, the portable telephone, with which the wire can be tapped at any point, and the fire-fighting tools and other equipment in a fire-fighting tool box placed at convenient locations throughout the Forests. In this connection, a model camp is also shown, with a camp fire built safely so as to prevent forest fires arising, as so many do arise from camp fires improperly built.

A model of a portion of a typical National Forest shows various activities and uses of interest to farmers living in National Forest States. Besides the fire-protection system, the model depicts the grazing of livestock, the disposal of timber, watershed protection, and the improvement of the Forests by roads, trails, and bridges.

A very live exhibit, which has attracted much attention wherever shown and which is to be displayed at El Paso, is a working erosion model. This model demonstrates, by the use of water sprinkled on mounds of actual soil representing forested and deforested hills, the protection from soil erosion and floods afforded by a forest cover on slopes.

Mr. C. A. Lindstrom of the Forest Service, Washington, D. C., will be in charge of the exhibit, and will give continuous demonstrations and distribute literature.

AMERICAN CONCERN TO BUILD CHINA'S ROADS.

**Contract Provides for Construction of
1100 Miles by Siems-Carey Railway
& Canal Company.**

The American International Corporation and the Siems-Carey Railway & Canal Co. have signed a contract with China for the building of 1100 miles of Chinese Government railways, the construction to be financed by Chinese Government bonds to be issued through the American International. The lines to be constructed have not been decided upon, but are to be located by an American engineer appointed by China on the recommendation of the American company.

Until the location of the line is settled the cost of construction cannot be estimated, but it may run as high as \$100,000,000. Certain points between which the line may be built have been mentioned tentatively, but others may be selected. The engineer will be appointed immediately and will set out for China without delay.

In selecting the lines care will be taken to avoid conflicting with agreements for railroad construction between China and any other powers.

The Siems-Carey Railway & Canal Co. was organized recently by the American International Corporation and Siems & Carey of St. Paul, Minn., undertaking railway and canal work in China. A preliminary contract for

the dredging of the Grand Canal has been concluded, but the final contract is not yet signed. It is estimated that this work will cost somewhere in the neighborhood of \$6,000,000.

An advance of \$500,000 has already been made to China by the American International for preliminary investigation expenses.

HOME INDUSTRY LEAGUE OF CALIFORNIA.

C. R. Thorburn, Executive Secretary;
Chauncey McGovern, Secretary of
Publicity Committee, The Ex-
aminer Bldg., 928, S. F.

ANNIE LAURIE BOOSTS CALIFORNIA PRODUCTS — NATURAL AND MANUFACTURED.

Every man, woman and child who loves California; every person who lives in the State, whether native-born or Californian by adoption, will be thrilled to read of what was declared, by Annie Laurie, of California products—either natural or manufactured—at the luncheon given, by the Home Industry League of California, recently, in honor of the newspaper women of the Bay Cities, at the Palace Hotel in San Francisco.

When it is realized that Annie Laurie is not at all interested financially in any product of the Golden State; when it is remembered that she could more conveniently reside in New York than in California, on account of her professional position, as "star" woman writer of the Hearst newspapers, where she has a readership of over 10,000,000 for each of her regular editorials; when it is known that Annie Laurie has been around the world twice, residing in all famous centers, where she has been entertained by kings, queens, princes and presidents, the value of her opinions of California people and things is all the more appreciable. The fact that she is the most highly paid woman newspaper writer in the world gives inestimable weight to her words on this occasion. Annie Laurie stated, in part:

"Among the products of California which rank first in the products of the entire world are California people: Go to any great banquet in New York today—and you'll find that 6 out of every 10 people of prominence there are Californians, either by birth or adoption. And of these 6 as many as 4 are residents of San Francisco.

"A real Californian appreciates travelling abroad mostly for the thought of how he or she will enjoy it when coming back to California to live.

"In many intelligent centers in the East they freely state that there is no natural green grass in California; that the birds never sing; that the fruit has no real flavor, while perfume is unknown to the California flowers.

"The prices of 'living' in California are so much lower than in the East that the common laboring man in San Francisco eats nicer food than the average doctor or other professionals in Boston or New York.

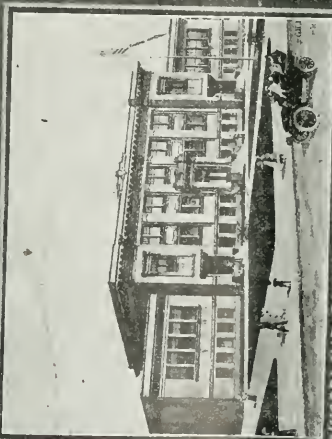
"Everything that grows in California and everything that is made here is bigger or better than any similar thing grown or manufactured anywhere else on earth.



COLLEGE PARK SCHOOL - SAN JOSE. Frank D. Wolfe Architect



ROCK RIDGE SCHOOL, OAKLAND. - J.J. Donovan Supervising Archt.



WOODLAND SCHOOL - W.H. Weeks Architect



INTERIOR VIEW - MCCHESNEY SCHOOL - J.J. Donovan Supervising Archt.

Equipped with **SIMPLEX WINDOWS**

525 Market St., S. F.

Send for Catalog. Agents wanted for unoccupied territory

"What California needs most today is more and better publicity in the East and in Europe, to include moving pictures of our sights and our products. These pictures should be sent East in numbers, and more general paid advertising in the Eastern magazines is very necessary now.

"Without sentiment you cannot do business—not even sell a pair of shoe laces. Every California woman should show her sentiment by insisting upon getting goods with a "Made-in-California" label. It means more prosperity to her own family as well as a more prosperous California.

"In Scotland all the good fruit they have comes from California. Your hostess takes care, when you are helped to grapes, to remind you that they come from California—and no one ever dares to help oneself to more than two or three grapes at one time—they are so expensive! At swell dinners they never eat pineapples; they simply hire them from the caterers and send them back after the meal, for they can't be bought there for less than a guinea apiece.

"In California you can build a house without sending outside the State for a single thing—and you can build it more cheaply and more artistically for the money than in any other place in the world.

"Every time a California woman insists upon having California figs—or any other California product—she is helping to make the price of her other groceries cheaper.

"San Francisco today has an opportunity of becoming the second greatest city in the United States—and if everyone living in California will arise and assert his or her pride in San Francisco, nothing can keep her from becoming the metropolis of the Pacific—with her hands on the purses of the Far East, of Australia and the East Indies, as well as of South America."

CASE-IRON PIPING FOR ARGENTINA.

The Argentine public health works (Obras Sanitarias de la Nacion) have issued a call for bids on an order of cast-iron piping, the bids to be opened on October 13. The River Plate Review, in noting this call, add that the last Argentine order for this class of piping was secured by a British firm. This new contract, on the basis of recent prices, would involve about \$2,000,000. The call is for 31,613 metric tons of straight pipes, conforming to specifications of the Obras Sanitarias light type: 551 tons specials for same, 27,117 tons of straight pipes, conforming to said specifications, heavy type, and 650 specials for same. Inquiries regarding this call should be addressed to "Obras Sanitarias de la Nacion," Buenos Aires.

REPORT ON KINGS DAM SENT TO WASHINGTON.

FRESNO, Cal.—Louis C. Hill, U. S. consulting engineer, and builder of the Roosevelt Dam, is in Fresno conferring with irrigationists in regard to the proposed Pine Flat Dam on Kings River. He has completed his report on the feasibility of the plans made by I. Teilman, L. A. Nares and others, and will present it to the irrigationists as

soon as the report is approved by Arthur P. Davis, head of the reclamation service.

A telegram was sent to Secretary Franklin K. Lane telling him that the report of Engineer Hill had been forwarded to Davis, with the approval of the committee of thirty, and that the irrigators are anxiously awaiting the action of the Department of the Interior on the plans.

RECLAMATION SCHEME IN PANAMA

Use of Reclaimed Land for Building Purposes.

A large undertaking has been begun in Colon. The Panama Railroad Co., which owns almost all the land on which this city is built, has some 300 acres of unoccupied land which was reclaimed from swamp four years ago by means of suction dredges. An area of nearly 20 acres of this land is being filled in to a sufficient depth to make it suitable for residential purposes. The earth for filling in the land, between 90,000 and 100,000 cubic yards, is brought by rail from the vicinity of Mount Hope, 2 miles south of the city, and the temporary tracks are moved along as the grading proceeds. Plans have already been made by the building division of the Panama Canal to erect early next year on this land 19 frame buildings intended for four families each and 25 houses for one family each, thus providing accommodations for 100 families of Panama Canal employees. Most of these families will be moved from Cristobal, where it is desirable to make room for buildings needed for various purposes.

At present there is only one highway leading out of Colon, that to Gatun, 7 miles south of the city. Another road, 16 feet wide, has just been graded on the east side of Folks River between Mount Hope and Fort Randolph at Margarita Point. This road, which is about 6 miles long, will be macadamized during the next dry season.

OIL INDUSTRY.

The oil industry of California represents a direct investment of \$250,000,000. Directly and indirectly it supports industries and communities in which perhaps \$250,000,000 more is represented. This estimate of the value of the oil industry forms a part of the coming annual report of State Oil and Gas Supervisor R. P. McLaughlin. The valuations assigned to each branch of the industry are: Oil lands, \$80,000,000; pipe lines, \$10,000,000; refineries, \$15,000,000; tank steamers \$15,000,000; wells, more than \$100,000,000; total, \$250,000,000. Thirty-one oil wells were started in California last week, the largest number in any one week for the last few years, according to McLaughlin.

HEATING AND SANITARY ENGINEERING IN PEKING.

[John R. Arnold, in charge of commercial attaché's office, Peking, China.]

There are indications that with careful development on the ground a good future is to be looked for in the business of importing and installing heating and sanitary apparatus and equipment in the cities of North China. The

present investigation has covered only the city of Peking, but it is understood that conditions are similar in Tientsin and elsewhere. There are several firms engaged in the business at present, but much the most active of these is an American concern with a head office in Tientsin and a branch at Peking. The only others that do any worth-while business are two of British nationality. The American house referred to has in Peking an experienced heating and sanitary engineer and reports an excellent beginning of business.

The winters in North China are quite severe, and an adequate heating system is a necessity. Unlike the Japanese, the Chinese are accustomed to heat their houses as well as they can afford during the winter, and, while with characteristic national conservatism they will be slow in coming to see the advantage of modern central heating plants, there is reason to expect that they will do so in time. So far most of the orders received by the American company referred to have been from foreign residents and business houses. Coal is plentiful in the region roundabout and it is delivered in Peking at reasonable cost.

Foreigners the Chief Buyers at Present

Sanitary installations are more likely for some time to be confined to properties with which foreigners are concerned, as the Chinese are not strongly interested in this subject. There is no sewer system in Peking, and existing sanitary arrangements are mostly primitive, although the large hotels and some of the other more modern buildings occupied by foreigners have full equipment. There is a very good water system and no insurmountable obstacle to the extension of installations of this character when a demand has been worked up.

While Peking is not a treaty port, nor even a commercial center of great importance, its position as the capital of China is likely to cause it always to be the site of a considerable foreign colony, and it will, of course, attract to itself large numbers of Chinese of the classes able to pay for foreign comforts of the kinds referred to, and who have in some cases been more or less accustomed to them.

Imports of heating and sanitary equipment are not shown separately in the Chinese customs statistics, but the American concern just mentioned is said to have imported more than 200,000 taels (approximately \$125,000) worth of boilers, radiators, and other heating apparatus in about six months, besides large quantities of pipe, valves, and other plumbing equipment. These are all of American manufacture.

MANY TYPHOID OUTBREAKS DUE TO DIRTY MILK.

There have been several milk-borne epidemics of typhoid fever in California during the past ten years, all of which would never have occurred if the new pasteurization law, which goes into effect October 1st, had been in force at the times these epidemics occurred. This means that the 352 cases in the milk-borne epidemics at Palo Alto, Colusa, Richmond, Taft and Maricopa might have been prevented. In the Palo Alto epidemic alone, there were 236 cases traced directly to infected milk supplies, and in the epidemic in the oil

fields, just brought under control, there were 112 cases, and the source of the epidemic was found in a dairy. The epidemics at Colusa and Richmond were of minor importance as far as the number of persons affected is concerned, but as the source of infection not been discovered promptly, these epidemics might have assumed much greater importance.

The following table shows the number of cases and the number of deaths that occurred in these epidemics:

	Cases	Deaths
Colo Alto, 1905.....	236	12
Colusa, 1915.....	22	0
Richmond, 1915.....	12	0
Watt and Maricopa, 1916.....	112	5
	382	17

ALUMINUM SILICATES AND ALUMINATE IN CEMENT.

A report on an investigation of the properties of calcium silicates and calcium aluminate occurring in Portland cement has been published by the United States Bureau of Standards, in Technologic Paper No. 78.

As has been shown comparatively recently, the constituents of Portland cement of normal composition and normal burning are tricalcium silicate, dicalcium silicate, and tricalcium aluminate. The present investigation was undertaken to show what part each of these played in developing the physical properties of this material.

By the use of small amounts of boric acid and chromium oxide as "mineralizers," the two silicates were prepared in a fair condition of purity and in amounts large enough to permit of making of neat and standard sand-cast test pieces. These test pieces were broken over a period of one year. The rate of setting and of hydrating was also studied, the latter both chemically and microscopically. The results show that the aluminate sets and hydrates almost immediately on the addition of water, but never attains a strength much over 100 pounds per square inch. The tricalcium silicate takes several days for setting, and at the end of one year contains but 5.5 per cent water of hydration. It has practically no strength at seven days but at the end of one year has a tensile strength of 600 pounds per square inch. The tricalcium silicate has all the properties of Portland cement, both in regard to setting and attaining strength. Mixtures of either silicate with the aluminate and with the aluminate and plaster, and of both silicates with the aluminate and with the aluminate and plaster, were also studied. The effect of the aluminate was more marked on the setting properties, as was also the case with the plaster additions: the effect of either of these two additions on the strength of either silicate or a mixture of the two was not very striking, in general not materially changing the strength of the silicate.

Copies of Technologic Paper No. 78 will be ready for distribution in a few days and may be obtained without charge upon application to the Bureau of Standards, Washington, D. C.

BEEFLES DESTROY TIMBER.

The Forest Service has recently completed four years' work in the eradication of the timber destroying beetle

Pendroctonus on the Trinity National Forest, according to a report made public. In the course of the campaign thousands of beetle infested trees were cut down and burned in an area of 24,000 acres of virgin yellow and sugar pine in the Hayfork valley country. Crews of from 10 to 30 expert woodmen under the direction of forest officers were employed to do this work. The campaign has resulted in reducing the annual loss of timber from beetles in this section from 2000 trees to less than 100 for this season. The beetle has been at work in the forests of California for many years, and it is stated on good authority that evidence points to much greater losses before the coming of the white men than at present. Some idea of the damage done is disclosed in that the loss in one district alone for the past 20 years has been estimated at 1,500,000,000 feet, valued at present stumpage prices at more than three-quarters of a million dollars. The only known way of combating the beetles is to cut and burn the infested trees. A forest fire which destroys only the brush cover and the young growth and does not destroy the mature infested trees has little effect upon the beetle. The insects' habit of boring deeply beneath the bark into the sapwood affords it protection from the ordinary forest fire.

CONCRETE ROADS FOR NEW ZEALAND.

The New Zealand authorities, both local and national, are carefully studying the subject of good roads, realizing that this is the best way to open up the hinterland of the Dominion. The roads of the country, in the main, are not in very good condition. There are some stone roads about the larger centers, but few of them extend out more than 25 or 30 miles. Their upkeep has been found very expensive, especially in the northern part of the country, since the rainfall is heavy and washouts are numerous because the stone used is soft and grinds up and decays rapidly.

Of late, much has been said in regard to the construction of concrete highways, and it is thought that this will be far cheaper in the long run than the stone roads as they are now constructed, for the reason that the upkeep will be so very greatly reduced. It is estimated that a mile of 12-foot concrete road 4 inches thick could be built for \$2,000 more than a mile of ordinary stone road, on which there would be a saving in upkeep for the first five years of at least 1,200, while at the end of ten years there would be a saving of \$7,000 or \$8,000 per mile.

Information as to American Methods and Machinery Desired.

The experiments being carried on in the United States along this line have received much attention here and are being carefully studied, with the result that it is proposed to adopt some of these methods. This will call for the use of up-to-date American road-making machinery. Alfred A. Winslow, American Consul General at Auckland, suggests that his consulate be supplied with catalogues, price lists, etc., of this class of machinery, together with such printed matter as may be available for distribution covering the construction, cost, and maintenance of concrete roads. This infor-

mation can be put in the hands of persons here who are in position to make good use of it. There is one feature in the construction of concrete roads that does not need to be taken into consideration in New Zealand, and that is frost, since there is no frost to speak of in the North Island and but little in the South Island.

A very good grade of cement is manufactured in large quantities in New Zealand, two large cement works having been installed within the last two or three years, supplied principally with up-to-date American machinery, and it is possible to manufacture the cement here at a price much below the cost of imported cement. This domestic cement seems to be good enough for concrete-road building and ordinary structural work.—Commerce Reports.

NEW CANYON ROADS PLANNED.

VISALIA, Cal.—Acting under authorization of an act of congress passed July 11th last, entitled "An Act to Give Federal Aid to Counties Building Mountain Roads into and Touching Reserves and Parks," the Supervisors have decided to go ahead with all the big mountain projects in mind for months and adopted a resolution asking the government for the proportionate aid agreed upon. The roads outlined costing over \$130,000 are set forth in the resolution to the government as follows:

Badger via Quail Flat, Big Meadows to Giant Forest—thus connecting Grant Park and Sequoia National Park (now being constructed in part) 18 miles at a cost of \$30,000 of which \$10,000 government aid is asked.

Oak Grove to the park line—four miles—cost \$11,000. This is a part of the new Mineral King road through the park which the government is building and which will become part of the Mt. Whitney to the Sea road.

Kern river canyon. Cost \$50,000 of which \$10,000 government aid is asked. This is one of three roads opening up Kern river canyon.

Pine Flat via Parker Meadow to Kern river canyon, costing \$20,000. This road would likewise lead via Hot Springs into Kern river canyon through the bed of which canyon a connecting road would be built to the base of Mt. Whitney.

Mineral King to Kern river canyon via Trout meadows, cost not estimated but close to \$25,000. This road with the Oak Grove and government park road would be the Mt. Whitney to the Sea highway direct through Exeter, Visalia, Hanford and Coalinga to San Luis Obispo.

LOS ANGELES POWER PLANT.

LOS ANGELES—A decision on what price the city will offer the three power companies for the privately owned distributing systems inside the city, so the municipality can take them over for the distribution of aqueduct hydroelectricity will soon be announced. According to members of the council and water board, the city is prepared to make an offer of not more than \$8,500,000 for the distributing systems of the Pacific L. & P. Corp., the Los Angeles G. & E. Corp. and the Southern California Edison Co.

DENTAL PREPAREDNESS.

What is the most important attribute of a soldier?

Good feet?

No.

Good eyesight?

No.

Good brains?

No.

What then?

Good teeth.

A soldier may have good feet, good eyesight, and good brains but if he has bad teeth, he can't eat. If he can't eat he can't march near enough to the enemy to see him and use his brains to fight him.

How does a soldier get good teeth?

By having good teeth in childhood.

How do children keep good teeth?

Through being taught by their mother how to keep their teeth clean and having their teeth looked after while they are growing. This make good teeth for future soldiers.

It would seem then as though the first patriotic duty of a mother was to keep her children's teeth in good condition. It is.

WASTE TANBARK NOW USED TO MAKE ROOFING.

WASHINGTON, D. C.—A method for using waste hemlock tanbark to partially replace expensive rag stock in the manufacture of felt roofing has been developed at the Forest Products Laboratory and is now being used commercially by co-operating mills, according to an announcement made by the Forest Service. It is stated that, in these mills, from 20 to 30 per cent of the rags is being replaced by waste bark and that the quality of the finished product is equal to that manufactured solely from rags. Members of the Forest Service who have been conducting the experiments say that the utilization of the bark will make it possible to effect a considerable saving in the manufacture of felt roofing.

According to the census of 1903, over 698,000 tons of hemlock bark were produced each year in the United States. After the tannin is extracted this bark is used for fuel purposes, for which it is said to have a value of 60 cents per ton.

The extent of the savings rendered possible by the new methods is pointed out by the fact that the roofing mills of the United States have a total estimated annual production of 227,000

tons of finished roofing of all kinds, equal to about 11,300,000 "squares." By a "square" of roofing is meant 100 square feet. The utilization of the waste bark in this industry should, it is said, enable the mills to reduce their manufacturing costs appreciably.

In addition to the use of the bark for roofing, papers made at the Forest Products Laboratory on the basis of 80 per cent of waste tanbark, have been successfully printed on a commercial twelve-color wall-paper printing machine, and give promise of being entirely satisfactory. Other paper of the same make-up has been made into fiber conduits by a commercial manufacturer.

Other possible uses of waste bark which suggests themselves, say the Forest service paper experts, are the use of bark mixed with ground wood for the production of wall board, or with sulphite screenings in the manufacture of car liners. Studies already made at the Forest Products Laboratory indicate that it may be possible to use waste hemlock and oak tanbark in making sheathing paper, carpet liners, bottle wrappers, deadening felt, and the like.

BUTTONLATH RECOMMENDED BY DR. CLYDE PAYNE AFTER USING IN SIX-STORY BUILDING.

Says Most Satisfactory Job in His Experience.

In a letter to the Pioneer Paper Co. Dr. Clyde Payne, goes squarely on record as a champion for Buttonlath. Here is what he says:

San Francisco, Oct. 10, 1916.
Pioneer Paper Co., Hearst Bldg.,
San Francisco, Cal.

Gentlemen:
Regarding the BUTTONLATH that Smyth Bros. have used on my six-story building on Rush street near Jones, wish to say that the cracks in the joints have not materialized. The Button spots have not appeared. The noise from room to room is maximum silenced.

In fact, any and all the bug-a-boo in connection with the use of the BUTTONLATH have not asserted themselves.

This building, the last one of twenty-eight apartment houses I have erected in San Francisco, is by far the most satisfactory job of plastering I have had.

By the use of the BUTTONLATH we have saved a month's time in the completion of the building, which means \$1,000 in rent, and I believe that Smyth Bros. have saved at least 30% in the amount of material used to cover as compared with metal lath.

I believe a plasterer can conveniently put on a much greater yardage per day with one-half the energy.

I am writing this letter unsolicited in appreciation of a most excellent job of plastering due to your BUTTONLATH, and the careful attention of Smyth Bros., the plaster contractors.

Very truly yours,
CLYDE S. PAYNE
(SIGNED)
Inspection of this job invited by all interested.

PUGET SOUND MILLS OUTPUT.

PORT ANGELES—September shipping from the Puget Sound Mills and Timber Co., far surpassed any other month, the shipments by water alone amounting to 12,800,000 feet of lumber. Sixteen ocean carriers loaded at the mill during the month, their destinations being California, Australia and Hawaii and the west coast of Peru.

Purchase your equipment direct from the manufacturer.

40 per cent Saved

Concrete Mixers.

Pavers.

Asphalt Plants and Tools.

Rollers

Tanden and Macadam

Concrete Carts.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Phone Market 1675

San Francisco

Cut this out and mail to-day

To the Building and Engineering News

560 Mission Street, San Francisco

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____

Street and No. _____

City _____

State _____

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 43.

Publication Office,
560 Mission St.

San Francisco, Cal., October 25, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

**PYROPHOR is a
Tool Steel** which

is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco

Telephone Sutter 5231

Member
Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE
68 POST STREET

Foxcroft Building

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

**Automatic
Gas Water Heater**

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 5941

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bot. Cough and Octavia

SAN FRANCISCO, CAL.

THE

Safe Deposit Vaults

of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

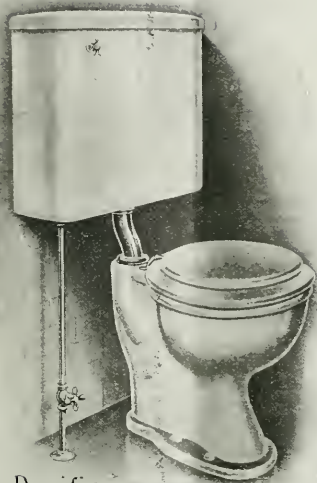
Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Kwy-eta eliminates the embarrassing noise of rushing and gurgling water that your customers wish suppressed.

Kwy-eta is an attractive well built closet that will give years of service without the necessity of constant repairs.

Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.



Pacific

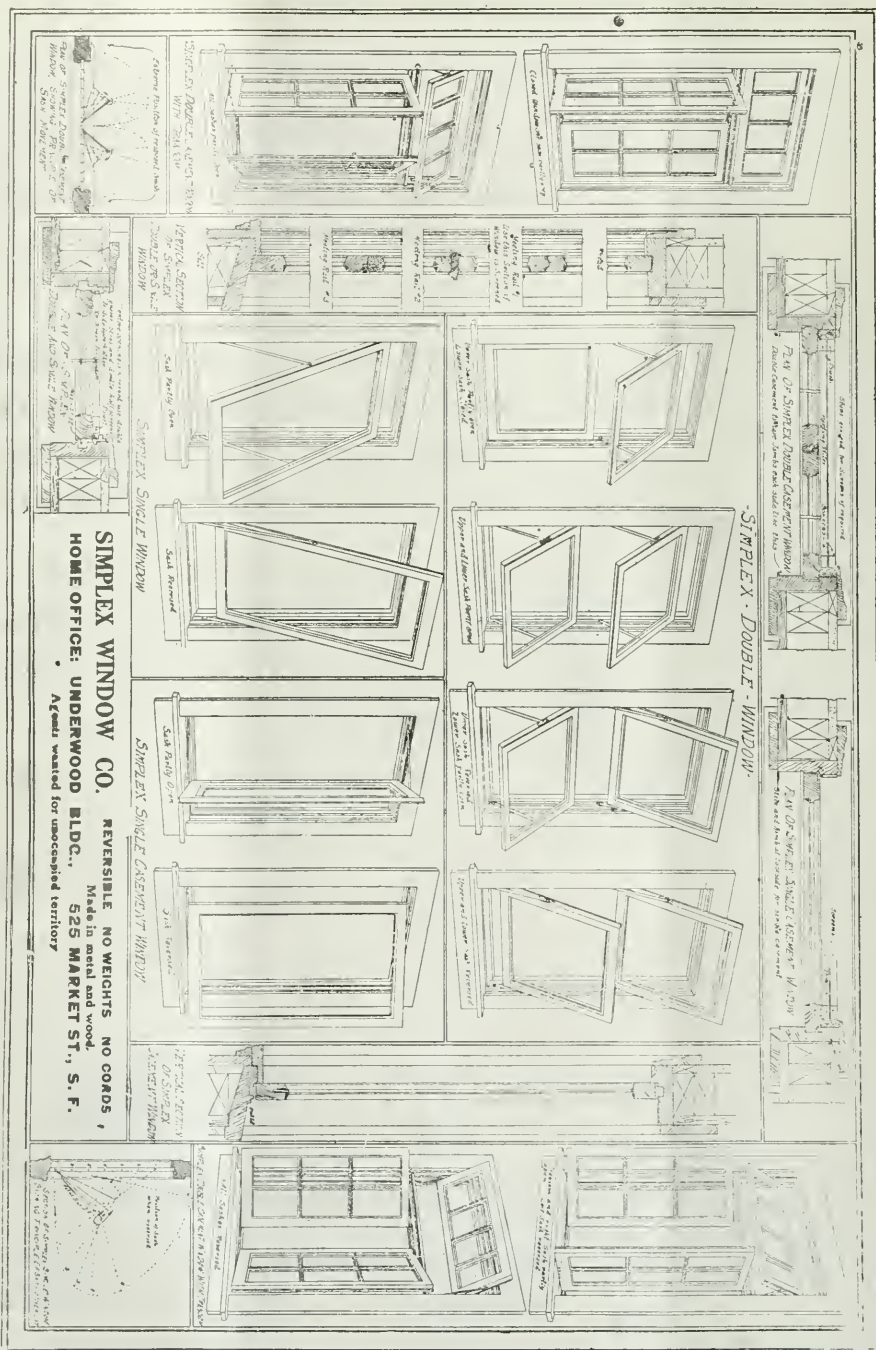
"Pacific"



Plumbing Fixtures

Main Offices and Showroom,
67 New Montgomery St.
San Francisco, Cal.

Factories,
Richmond
California.



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. October 25, 1916

Sixteenth Year, No. 43



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	
Apartment Houses	4
Barracks	4
Bath Houses	4
Bonds	4
Bridges, Dams & Harbor Work.....	4-5
Building Totals for September.....	3
Churches	5
Construction Work Abroad.....	27-28
Factories and Warehouses.....	5
Fire Houses and Jails.....	5
Flats	5-6
Fresno, Modesto, Stanislaus and Central California	24-25
Government Work and Supplies.....	6
Hospitals	6
Los Angeles and Southern California	26-27
Marin, Contra Costa and Sonoma Counties	23-24
Oakland & Alameda County.....	18 to 22
Power Plants and Water Systems.....	7
Railroad Construction, Stations and Equipment.....	7
Residences	7-8
Sacramento, Stockton and Northern California	25-26
San Francisco.....	11 to 18
San Jose & Santa Clara Valley.....	22-23
Schools	8
Sealed Proposals	9-10
Seattle and Washington.....	27
Sewers and Street Work.....	8-9
Stores and Offices	9
Theatres	9

September Building Totals.

Building operations throughout the country are in an eminently satisfactory condition. If the municipal statistics on the subject read the situation aright. There is a firm maintenance of the generous construction activities, that have been the feature of most cities during the present year. And there is a little more than that. There is gradual expansion of building work.

The total for San Francisco shows a decrease of a little over one hundred thousand dollars. This can be explained by the fact that the Mare Island Navy Yard contract, amounting to \$111,700 was included in September 1915 totals.

Of the 118 cities 70 make gains, while 48 show comparative losses. Details follow:

Cities	Sept., 1916	Sept., 1915
	Cost.	Cost.
Akron	\$ 1,893,740	\$ 381,925
Alameda, Cal.....	37,540	24,918
Albany	215,555	340,965
Altamont	74,540	172,675
Altoona	69,309	63,933
Atlanta	242,232	677,745
Bakersfield, Cal.....	13,620	16,318
Baltimore	552,406	595,393
Bayonne	126,842	110,453
Bekeley, Cal.....	339,586	131,700
Binghamton	160,319	115,534
Birmingham	302,601	157,934
Boston & vicinity	5,133,000	5,432,000
Bridgeport	547,541	720,260
Brookton	83,991	96,312
Buffalo	1,283,000	987,000
Canton	340,525	294,490
Cedar Rapids.....	177,000	122,000
Charlotte	76,320	16,660
Chattanooga	79,272	51,165
Chicago	8,579,550	8,569,600
Cincinnati	847,515	1,264,444
Cleveland	2,713,780	2,356,620
Colorado Springs	23,087	17,885
Columbus	548,065	504,710
Dallas	752,091	262,202
Davenport	122,945	81,865
Dayton	605,727	191,975
Denver	372,360	194,260
Des Moines.....	164,887	218,470
Detroit	4,868,695	2,695,730
Dubuque	57,100	21,450
Duluth	315,668	285,321
East Orange.....	403,620	89,233
East St. Louis.....	57,235	62,040
Elizabeth	165,942	93,834
Erie	217,311	139,761
Eureka	42,903	17,275
Evansville	151,829	102,345
Fort Wayne.....	2,523,631	1,479,590
Fort Worth.....	112,303	69,580
Fresno, Cal.....	82,639	63,930
Grand Rapids.....	169,405	205,812
Harrisburg	406,075	62,475
Hartford	246,497	349,250
Haverhill	60,250	101,850
Hoboken	470,888	9,080
Holyoke	78,700	155,825
Huntington	72,180	103,028
Indianapolis	\$68,168	1,255,792
Jacksonville	131,450	54,980
Kansas City, Kan.....	51,460	61,325
Kansas City, Mo.....	882,790	778,425
Lawrence	181,790	59,795
Lincoln	119,790	125,713
Long Beach, Cal.....	80,486	49,100
Los Angeles, Cal.....	913,173	828,758
Louisville	198,020	416,750
Manchester	138,536	120,302
Memphis	239,685	209,535
Millwaukee	840,557	2,815,500
Minneapolis	1,815,565	945,730
Montgomery	21,870	14,302
Nashville	405,880	84,286
Newark	562,728	662,458
New Bedford.....	380,300	462,550
New Haven.....	323,945	1,478,499
New Orleans.....	208,546	315,819
New York City.....	8,372,568	7,813,730
Manhattan	3,336,511	1,348,267
Bronx	780,563	1,311,589
Brooklyn	2,909,469	3,495,913
Queens	1,220,242	1,113,661
Richmond	125,783	244,300
Norfolk	82,217	130,822
Oakland, Cal.....	439,253	522,597
Oklahoma City.....	190,425	132,745
Omaha	715,705	359,055
Pasadena, Cal.....	136,263	193,798
Passaic	119,085	96,162
Pateron	140,627	120,687
Peoria	201,880	266,140
Philadelphia	3,301,310	4,731,670
Pittsburgh	1,407,094	2,260,939
Portland, Ore.....	1,318,780	298,820
Quincy	126,605	112,042
Reading	163,075	62,875
Richmond, Cal.....	24,963	16,941
Richmond, Va.....	339,455	242,763
Rochester	667,125	564,845
Sacramento, Cal.....	233,057	68,474
Saginaw	31,720	22,700
Salt Lake City.....	116,060	284,209
San Diego, Cal.....	251,309	129,161
San Francisco.....	1,212,227	1,342,898
San Jose, Cal.....	74,071	23,861
Santa Rosa, Cal.....	7,675	21,441
Savannah	52,624	64,360
Schenectady	170,526	96,830
Seranton	70,648	49,013
Seattle, Wash.....	629,140	471,615
Sioux City	183,750	171,950
South Bend.....	196,741	38,607
Spokane, Wash.....	163,422	115,000
Springfield, Ill.....	152,082	72,690
Springfield, Mass	112,615	312,510
St. Joseph.....	48,995	99,035
St. Louis.....	1,794,770	800,185
St. Paul.....	582,171	1,302,373
Stockton, Cal.....	31,550	49,300
Superior	144,769	178,890
Tacoma, Wash.....	142,692	40,615
Terre Haute.....	41,127	37,513
Toledo	676,836	701,648
Topeka	42,601	59,897
Troy	34,040	261,405
Utica	164,110	235,985
Washington, D.C.....	1,036,994	1,350,442
Wilkes-Barre	109,257	118,002
Wilmington	181,425	258,345
Woonsocket	86,190	65,019
Worcester	586,550	592,735
Youngstown	395,245	164,430
Total	\$72,975,432	\$69,326,807

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 7 story and base, Class B, reinforced concrete, \$116,000. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owner, Mayer Wood. Location, northwest Jackson and Franklin Sts., covering an area of 40 by 127½ feet. Will contain seven apartments of nine rooms and three baths. Plans being prepared.

SAN FRANCISCO—Apartment house, 8 story and base, Class C, reinforced concrete, \$105,000. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owner, A. W. Wilson. Location, N. Jackson W. Franklin, covering an area of 35 by 155½ feet. Will contain eight apartments of nine rooms and three baths. Preliminary plans only prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$36,000. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owners, D. H. Green and Ray G. Saffield. Location, southwest Pacific and Franklin, covering an area of 47½ by 100 feet. Will contain six apartments of six rooms and two baths. Plans complete and figures to be called for shortly.

SAN FRANCISCO—Apartment house alteration, 1 story and base, frame, \$15,000. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owner, Miss C. Charlot. Location, north Post between Fillmore and Steiner. Work will consist of altering the present three-flat building into six modern apartments. Plans are being prepared.

SAN FRANCISCO—Apartment house and stores, 3 story and base, Class C construction, \$17,000. Architect, W. S. Hind, 16 Kearny street, S. F. Owners, Mandy & Collins. Location, southwest Powell, and Washington streets, covering an area of 37 by 60 feet. Will contain two stores and nine apartments of two and three rooms. Plans complete and segregated figures being taken.

SAN FRANCISCO—Apartment house, 1 story and base, reinforced concrete, \$35,000. Architect, C. D. Clausen, Hearst Bldg., S. F. Owner, J. G. Kinannon, 3616 Steiner street, S. F. Location, north Post east Leavenworth. Will contain twenty apartments of two and three rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$30,000. Architects, O'Brien Bros., 210 Montgomery street, S. F. Owner, James J. Flinn. Location, northwest Duhoce and Divisadero, covering an area of 50 by 70 feet. Will contain eighteen apartments of two and three rooms. Plans complete and excavating being done by owner. Other parts of the work to be figured shortly.

SAN FRANCISCO—Apartment house, 5 story and base, Class C construction, \$45,000. Architect, Albert Schroeffer, Nevada Bank Bldg., S. F. Owner, Louis

D. Stoff. Location, north Bush between Mason and Taylor, covering an area of 10 by 120 feet. Will contain seventeen apartments of three rooms and bath. Plans complete and segregated figures being taken.

OAKLAND, CAL.—Apartment house, 3 story and base, brick veneer, \$50,000. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner's name not given. Location, west Oak north 11th. Will contain ninety rooms arranged in suites of two, three and four rooms. Plans being prepared.

BARRACKS.

SAN FRANCISCO—Barracks, 4 story and base, Class C construction, \$100,000. Architect, not selected. Owners, Non-Commissioned Officers of the Volunteer League of America, 111 W. Postlewaite, Monadnock Bldg. Location, 17th and Folsom streets. Only preliminary plans, prepared by the eastern engineers of the owners have reached here. The site has been purchased. Further mention will be made of the work.

BATH HOUSES.

Contracts Awarded.

BAKERSFIELD, KERN CO., CAL.—Bath house, 1 story, brick, \$1,897. Architect's name not given. Owners, City of Bakersfield. Contractors, Ferguson & Rogers, Bakersfield. Contract price, \$1,897.

BONDS

PORTERVILLE, TULARE CO., CAL.—School officials are planning to issue bonds of \$100,000 or more for a new high school to be located on a site yet to be chosen. The property most frequently mentioned is a 20-acre tract just north of Luther Burbank park.

COLINGA, FRESNO CO., CAL. The City Trustees have called a special election for November 8th, when the question of voting \$100,000 for the acquisition and construction of a municipal water works. Engineers, Dessory & Bell of Los Angeles are handling the engineering features of the proposed work.

MODESTO, STANISLAUS CO., CAL. The bids for the purchase of the \$165,000 bond issue voted by the Waterford Irrigation District have been rejected by the directors and a new call for bids will be issued. It is also reported that bids for the construction of the irrigation system will be called for within the next few weeks.

COLUSA, COLUSA CO., CAL.—At a recent meeting of the Colusa Trustees an election for voting bonds of \$85,000 was favored, instead of the \$65,000 issue. No definite action was taken.

FORT JONES, SISKIYOU CO., CAL.—The Trustees of the Fort Jones School District have decided to call an elec-

tion to vote bonds of \$10,000 to provide for the erection of a modern school building.

LONG BEACH, LOS ANGELES CO., CAL. The \$50,000 city hospital bond issue was defeated at a special election. The \$500,000 issue for the construction of the Horseshoe pier was also turned down, while the \$300,000 proposition for harbor improvements carried by a vote 5,933 to 1,672.

MODESTO, STANISLAUS CO., CAL.—Bonds of \$135,000 were voted in Modesto recently. The issue carried by a good majority, and will provide for the erection of two or more school buildings.

RIVERDALE, FRESNO CO., CAL.—The County Supervisors have sold the \$25,000 bond issue of the Riverdale Joint Union High School District.

OAKLAND, CAL.—A school bond election to raise \$2,000,000 will probably be held in this city in the near future as the result of the recommendations of the advisory bond committee of forty, which has been investigating school needs.

A new high school to be located at Nineteenth avenue and East Twentieth street, will be recommended by Commissioner W. H. Edwards, a former member of the school board, in the event that the election carries. The cost of the new building will be in the neighborhood of \$350,000.

SAN FRANCISCO—E. G. Hopson of Portland, Ore., has applied to the State Railroad Commission for authority to build and operate an irrigation system in Shasta County, upon which, he says, he will spend \$100,000, and which, he asserts, will supply water to 2,960 acres of land now uncultivated and without water. Hopson proposes to build a ditch from Cow Creek, a tributary of the Sacramento River, to the lands to be irrigated.

POBONA, LOS ANGELES CO., CAL.—W. J. Wilton, in charge of the construction work on the Greek Theatre at Ganesha Park, states that the committee plans to ask a bond issue in the sum of \$50,000 for the construction of a cement auditorium containing 6,000 seats for the Greek Theatre.

TRACY, SAN JOAQUIN CO., CAL.—The bond owners of the West Side Irrigation District have presented a petition to the directors asking for a bond election to raise \$195,000 to be used for the construction of ditches, pumping plant, etc., for the district.

BRIDGES, DAMS AND HARBOR

VISALIA, TULARE CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Visalia. Owners, Tulare County. Bids will be received by the Board of Supervisors up to 2 p. m. of October 27th for constructing a reinforced concrete 30-foot bridge across Deep Creek near the Bliss ranch, about six miles south

of Visalia, in accordance with plans and specifications.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—Bridge, timber construction. Cost not stated. Engineer, County Surveyor, San Luis Obispo. Owners, San Luis Obispo County. Bids will be received by the Board of Supervisors up to 10 a. m. of November 9th for the construction of a 50-foot wooden truss bridge of one span, with reinforced concrete foundation and wood flooring across Stenner Creek on the Polytechnic School road, near the city of San Luis Obispo, and about 1 1/4 miles from the Southern Pacific Railroad station at that point. Plans and specifications are on file at the office of the clerk of the board. Certified check required. F. J. Rodriguez is the clerk.

MERCED, MERCED CO., CAL.—Bridges, concrete and timber. Cost not stated. Engineer, County Surveyor, Merced. Owners, Merced County. The County Supervisors at their last meeting approved plans and specifications for a number of bridges to be constructed throughout the county as follows: Road District No. 4.—Across San Luis Creek on Middle road, to be known as Bridge No. 47. Road District No. 2.—Across Dutchman Creek on Baxter road, to be known as Bridge No. 48. Road District No. 2.—Across Mariposa Creek on Plate road, to be known as Bridge No. 49. Road District No. 2.—Across a slough on State highway, to be known as Bridge No. 50. Also for the construction of a bridge across Canal Creek on the Cox Ferry road in Road District No. 3. Bids on the work close November 14th at 10 a. m. A certified check of 10 per cent, payable to the chairman of the Board of Supervisors, must accompany each bid. Plans and further information may be had from the County Engineer or County Clerk.

SAN JOSE, SANTA CLARA CO., CAL.—Bridges, reinforced concrete. Cost as follows. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. The County Supervisors have rejected bids received for the construction of reinforced concrete bridges on San Felipe road over Dry Creek and on the Cochrane road. Bids for these structures were received as follows:

For Cochrane Road Bridge—Adams & Crew, \$2,694; John Doyle, \$3,087; W. L. Gillham & Son, \$2,320. Surveyor's estimate, \$1,730. The County Surveyor was directed to proceed with the construction of the bridge.

For San Felipe Road Bridge—F. T. Edmans, \$5,364; John F. Adams & Crew, \$5,378. Surveyor's estimate, \$4,805.

VENTURA, VENTURA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Ventura. Owners, Ventura County. Until 2 p. m. November 9th bids will be received by the Board of Supervisors for constructing the Telephone road bridge across the Satecoy storm ditch in the town of Satecoy, according to plans and specifications on file in the office of said board and which may be obtained at the office of the County Surveyor. The approximate quantities are 26 cubic yards class A concrete, 39 cubic yards class B concrete, 5,000 pounds reinforcing steel. J. B. McClockey, County Clerk.

SAN FRANCISCO—Wharf repairs, timber and concrete. Cost not stated.

Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids will be opened on November 3rd for repairs to the wharf at the Presidio of San Francisco. An official proposal appears in another column of this issue.

Contracts Awarded.

SAN JOSE, SANTA CLARA CO., CAL.—Bridges, 2, reinforced concrete. Cost as follows. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Contractor, William Martin, San Jose. Almaden road bridge, \$1,089; Cooney bridge, \$921. and Elwood bridge, \$898.

ALTURAS, MODOC CO., CAL.—Bridge, timber, \$1,098. Engineer, County Surveyor A. M. Green, Alturas. Owners, Modoc County. Contractors, Calderwood & Leonard, Alturas. Contract price, \$1,098.

OROVILLE, BUTTE CO., CAL.—Bridges, steel and reinforced concrete. Cost as follows. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, O. A. Peter, Oroville. Watt's Slough bridge, \$18,818. Lindo Channel bridge, \$3,924.

CHURCHES.

WHITTIER, LOS ANGELES CO., CAL.—Church, 1 story and base, brick, \$60,000. Architect, H. M. Patterson, O. T. Johnson Bldg., L. A. Owners, Friends Church of Whittier. Location, Philadelphia and Washington streets, covering an area of 96 by 138 feet. Will contain main auditorium and Sunday school rooms. Plans are complete and figures being taken.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Factory and warehouse, 4 story and base, reinforced concrete, \$350,000. Engineer, Maurice C. Couchot, 110 Sutter street, S. F. Owners, American Even Ready Co. Location, northeast 8th and Brannan, covering an area of 275 by 275 feet. Construction fireproof. Further details will be given as the plans progress.

SAN FRANCISCO—Laundry alteration, 3 story, frame, \$2,500. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, A. Calver. Location, Geary and Fillmore. Work will consist of new concrete floors, interior trim, plumbing and electric work. Plans complete and figures being taken.

VALLEJO, SOLANO CO., CAL.—Flour mill addition, steel or reinforced concrete. Engineer's name not given. Owners, Sperry Flour Co. The Sperry Flour Co. is now considering plans submitted by a Chicago engineer for extensive improvements to be made to their South Vallejo plant. A new mill building will be erected and a large storage warehouse. The amount of money to be expended and the nature of construction have not been settled on yet. Further mention will be made of this work.

LOS ANGELES, CAL.—Warehouse, 5 story and base, reinforced concrete. Cost not stated. Architect, John Parkinson, Title Insurance Bldg., L. A. Owners, Joannes Bros. Co. Location, southeast Hewitt and Traction streets. Will cover a large area. Plans complete and figures being taken.

Contracts Awarded.

MILK FACTORY, STANISLAUS CO., CAL.—Milk factory, 2 story and base, steel and brick, \$100,000. Architect's name not given. Owners, Borden Condensed Milk Co. Contractor, Ernest Green, Modesto. Contract price, \$100,000.

FIRE HOUSES AND JAILS

SAN FRANCISCO—Jail toilet fixtures, \$2,695. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Alex. Coleman presented the low bid for toilet fixtures in Jails Nos. 2 and 3 and will be awarded the contract. A complete list of these bids will be found under the heading of San Francisco in this issue.

SAN FRANCISCO—Detention home shades, \$174. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. F. W. Callahan presented the low bid for furnishing shades for the Juvenile Detention Home and will be awarded the contract. A complete list of the figures will be found under the heading of San Francisco in this issue.

TRACY, SAN JOAQUIN CO., CAL.—Fire house, 1 and 2 story and base, brick. Cost not stated. Architects, Sala & Mayo, Commercial Savings Bank Bldg., Stockton. Owners, City of Tracy. Will contain apparatus room and living quarters. Plans are being prepared.

BAKERSFIELD, KERN CO., CAL.—Jails, 2, 1 story, reinforced concrete. Cost not stated. Architect, none. Owners, Kern County. Bids will be received by the Board of Supervisors at Bakersfield on November 9th for the construction of a reinforced concrete jail with a cess pool at Mojave, and at the same time and place bids will be received for the construction of a reinforced concrete jail with cess pool at Randsburg. Bids formerly received on this work were rejected as being too high.

FILLMORE, VENTURA CO., CAL.—Jail cells, steel. Cost not stated. Architect, Albert C. Martin, Higgins Bldg., L. A. Owners, Ventura County. Bids will be opened on November 10th for a steel cell cage. Plans can be secured from the County Clerk or from the architect.

FLATS

SAN FRANCISCO—Flats, 3 story and base, frame, \$10,000. Architect, none. Owners, John J. Binet Co., 68 Ramona street, S. F. Location, west Ramona south 14th street, covering an area of 25 by 85 feet. Will contain six flats of four and five rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, E. A. Knoop, 545 14th street, S. F. Location, east Ramona south 14th, covering an area of 24 1/2 by 48 feet. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 3 story and base, frame, \$7,000. Architect, J. Devenenzi, 1069 Union street, S. F. Owner, P. Costello, 412 Broadway, S. F. Location, south Green west Montgomery, covering an area of 25 by 68 1/2 feet. Will contain six small flats.

Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$9,000. Architect, none. Owner, P. D. Taylor, 115 9th avenue, S. F. Location, southwest 9th avenue and Lake street, covering an area of 25 by 80 feet. Will contain four flats of four and five rooms. Plans complete and work to be done by Day Labor.

GOVERNMENT WORK & SUPPLIES

Earthwork and Structures.

Extract of bids for earthwork and structures, Fort Laramie Canal, Stations 1250-2250, specifications No. 348, bids opened at Fort Laramie, Wyo.:

Bid 1, engineer's estimate, Fort Laramie, Wyo.

2. Winston Bros. Co., Minneapolis, Minn.

3. McArthur Bros. Co., New York.

4. Hayden Bros., Great Falls, Mont.

5. Fred M. Crane, Omaha, Neb.

6. J. E. Hilton, Billings, Mont.

7. W. E. Callahan Construction Co., Omaha, Neb.

8. DeRemer, Olsen & Brock, Denver, Colo.

9. Lingle Supply Co., Lingle, Wyo.

Schedule 1—1250-1410.

Item 1. 287,000 cu yds excavation, class 1—Bid 1, 13.5c; 2, 11.2c; 3, 14c; 4, 14.5c; 5, 12.4c; 6, 14c; 9, 15c.

2. 8,000 cu yds excavation, class 2—Bid 1, 30c; 2, 11.2c; 3, 14c; 4, 14.5c; 5, 40c; 6, 14c; 9, 46c.

3. 100 cu yds excavation, class 3—Bid 1, 75c; 2, 80c; 3, 14c; 4, 60c; 5, 90c; 6, 60c; 9, \$1.

4. 42,000 sta. yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 9, 2c.

Total schedule 1—Bid 1, \$42,060; 2, \$33,960; 3, \$42,154; 4, \$43,675; 5, \$39,718; 6, \$42,200; 9, \$47,670.

Schedule 2—1410-1555.

5. 233,000 cu yds excavation, class 1—Bid 1, 13.5c; 2, 15.4c; 3, 16c; 4, 15.5c; 5, 12.4c; 6, 15c; 7, 24c.

6. 35,000 cu yds excavation, class 2—Bid 1, 30c; 2, 15.4c; 3, 16c; 4, 35c; 5, 40c; 6, 60c; 7, 24c.

7. 100 cu yds excavation, class 3—Bid 1, 75c; 2, 80c; 3, 16c; 4, 70c; 5, 90c; 6, 60c; 7, 57c.

8. 59,000 sta. yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c.

Total schedule 2—Bid 1, \$43,210; 2, \$42,532; 3, \$44,076; 4, \$49,615; 5, \$44,162; 6, \$48,440; 7, \$43,189.

Schedule 3—1555-1725.

9. 200,000 cu yds excavation, class 1—Bid 1, 13.5c; 2, 14.9c; 3, 17c; 4, 15c; 5, 12c; 6, 15c; 7, 14.4c; 8, 14.75c.

10. 43,000 cu yds excavation, class 2—Bid 1, 30c; 2, 14.9c; 3, 17c; 4, 30c; 5, \$17,200; 6, 32c; 7, 26c; 8, 40c.

11. 100 cu yds excavation, class 3—Bid 1, 75c; 2, 80c; 3, 17c; 4, 60c; 5, \$90; 6, 70c; 7, 57c; 8, 65c.

12. 100,000 sta. yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c.

Total schedule 3—Bid 1, \$41,975; 2, \$38,257; 3, \$43,327; 4, \$44,960; 5, \$45,290; 6, \$45,820; 7, \$42,037; 8, \$48,765.

Schedule 4—1725-1890.

13. 210,000 cu yds excavation, class 1—Bid 1, 13.5c; 2, 15.3c; 3, 17c; 4, 15c; 5, 13c; 6, 15c; 7, 14.4c; 8, 14.75c.

14. 44,000 cu yds excavation, class 2—Bid 1, 30c; 2, 15.3c; 3, 17c; 4, 30c; 5, 40c; 6, 32c; 7, 26c; 8, 40c.

15. 100 cu yds excavation, class 3—

Bid 1, 75c; 2, 80c; 3, 17c; 4, 60c; 5, 90c; 6, 70c; 7, 57c; 8, 65c.

16. 182,000 sta. yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c.

Total schedule 4—Bid 1, \$45,265; 2, \$42,582; 3, \$46,837; 4, \$48,400; 5, \$48,630; 6, \$49,290; 7, \$45,377; 8, \$52,250.

Schedule 5—1890-2050.

17. 263,000 cu yds excavation, class 1—Bid 1, 13.5c; 2, 11.5c; 3, 16.5c; 4, 14.5c; 5, 13c; 6, 14.75c; 7, 14.4c; 8, 14.75c; 9, 14.75c.

18. 25,000 cu yds excavation, class 2—Bid 1, 30c; 2, 28c; 3, 16.5c; 4, 34c; 5, 40c; 6, 35c; 7, 24c; 8, 40c; 9, \$11,250.

19. 400 cu yds excavation, class 3—Bid 1, 75c; 2, 80c; 3, 16.5c; 4, 60c; 5, 90c; 6, 70c; 7, 57c; 8, 65c; 9, \$260.

20. 161,000 sta. yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c; 9, \$3,220.

Total schedule 5—Bid 1, \$46,525; 2, \$40,755; 3, \$50,806; 4, \$50,095; 5, \$47,170; 6, \$51,042; 7, \$47,320; 8, \$52,272.50; 9, \$53,522.50.

Schedule 6—2050-2250.

21. 255,000 cu yds excavation, class 1—Bid 1, 13.5c; 2, 16.55c; 3, 16.5c; 4, 14.5c; 5, 13c; 6, 14.5c; 7, 14.4c.

22. 22,000 cu yds excavation, class 2—Bid 1, 30c; 2, 30c; 3, 16.5c; 4, 34c; 5, 40c; 6, 35c; 7, 24c.

23. 1,000 cu yds excavation, class 3—Bid 1, 75c; 2, 80c; 3, 16.5c; 4, 60c; 5, 90c; 6, 70c; 7, 57c.

24. 115,000 sta. yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c.

Total schedule 6—Bid 1, \$48,125; 2, \$39,767.50; 3, \$52,020; 4, \$51,705; 5, \$49,130; 6, \$52,025; 7, \$43,550.

Schedule 7—16 Culverts.

25. 15,000 cu yds excavation, class 1—Bid 1, 20c; 2, 25c; 3, 20c; 4, 20c.

26. 38,500 cu yds excavation, class 2—Bid 1, 50c; 2, 50c; 3, 50c; 4, 50c.

27. 100 cu yds excavation, class 3—Bid 1, \$1; 2, \$1; 3, \$1; 4, \$1.

28. 1,450 cu yds concrete—Bid 1, \$12; 2, \$11.50; 3, \$11.20; 4, \$16.50.

29. 127,000 lbs. placing reinforcing steel—Bid 1, 1c; 2, 00.9c; 3, 01.5c; 4, 1c.

30. 690 lin ft. placing 24 in dia vitrified pipe—Bid 1, \$1.25; 2, 55c; 3, 60c; 4, \$1.50.

31. 300 sq yds 12 in grouted paving—Bid 1, \$3.50; 2, \$2.20; 3, \$2.25; 4, \$2.75.

32. 7,000 cu yds backfill—Bid 1, 20c; 2, 25c; 3, 30c; 4, 25c.

Total schedule 7—Bid 1, \$77,825.00; 2, \$32,147.50; 3, \$32,259; 4, \$41,080.

SAN FRANCISCO—Government work.

Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids will shortly be called for by the Constructing Quartermaster's office at Fort Mason for repairs to Presidio dock, road construction at Fort Miley and for a boulevard in the Presidio connected the Lincoln Highway and West Clay street. Instructions have been received from the War Department to proceed with the construction of the Fort Baker tunnel at once. The work will be handled by the Constructing Quartermaster's office under the Day Labor system, the only contracts to be let being for machinery and equipment, cement, power and lumber. The tunnel will be 16 by 16 feet on a gradient of 4 per cent, making a total length of 2,500 feet. The tunnel will be in rock for its entire length.

HOSPITALS

AGNEWS, SANTA CLARA CO., CAL.—Hospital cottage, 1 story, frame. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids will be opened on November 13th for the construction of an open air cottage. An official proposal appears in another column of this issue.

MARTINEZ, CONTRA COSTA CO., CAL.—Hospital addition, 1 story, reinforced concrete, \$3,000. Architect, County Surveyor, Martinez. Owners, Contra Costa County. Plans have been prepared for an addition to the county hospital and bids will shortly be called. The new addition will be used for an insane ward.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Hospital, 1 and 2 story, reinforced concrete. Cost as follows. Architect, Lyman Farwell, Story Bldg., L. A. Owners, San Bernardino County. The F. O. Engstrom Co., Fifth and Seaton streets, L. A., was the lowest bidder at \$89,937 and \$82,259 (omitting east wing) on the general contract for the erection of the reinforced concrete county hospital buildings. Howe Bros., 1198 San Pedro street, L. A., will probably be awarded the plumbing contract; Hunt Engineering Co. or Howe Bros. the steam heating and machinery contract, and Field Electric Co. of San Bernardino the electric work, their bid including fixtures not offered by F. E. Newberry Electric Co., it is reported. Contracts will probably be awarded on the basis of omitting the east wing, which will bring the total cost to about \$113,645.

SAN JOSE, SANTA CLARA CO., CAL.—Hospital boiler set, etc. Engineer, none. Owners, Santa Clara County. At the last meeting of the Santa Clara County Supervisors specifications for removing one high-pressure, tubular, brick-set boiler and stack and furnishing one new high-pressure boiler and connection; also specifications covering one 80 H. P. high-pressure horizontal tubular boiler as proposed to be furnished and installed at the County Hospital, were approved and the Clerk directed to advertise for bids to be opened on Monday, November 13th at 11 o'clock a. m.

Contracts Awarded.

SAN FRANCISCO—Hospital sterilizers, \$3,375. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractors, Burnham Plumbing Co., 1220 Webster street, S. F. Contract price, \$3,375.

STOCKTON, SAN JOAQUIN CO., CAL.—Hospital power plant, morgue and chapel, 1 story, class A construction, \$7,879. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, San Joaquin County. Contractor, Frank Tucker, Stockton. Contract price, \$7,879.

IRRIGATION PROJECTS

FRESNO, FRESNO CO., CAL.—Irrigation project. Cost not stated. Engineer, Louis C. Hill, Hollingsworth Bldg., L. A. Owners, Fresno Canal and Irrigation District. Ponds of the Fresno Canal and Irrigation Co. have been sold to San Francisco and Los Angeles bonding houses and work on the construction of a dam and reservoir at Pine Flat in the Kings River country

will be started shortly. The dam will be 295 feet high, 1,000 feet long on top and 350 feet long on the bottom. The reservoir will impound about 600,000 acre feet of water.

ALTURAS, MODOC CO., CAL.—Irrigation reservoirs, reinforced concrete. Cost not stated. Engineer, A. M. Green, Alturas. Owners, Potter-Huffman Land and Live Stock Co. County Surveyor A. M. Green of Alturas is preparing plans for two flood water storage reservoirs to be erected in Modoc County for the Potter-Huffman Land and Live Stock Co. One reservoir will have a capacity of 1,550 acre feet and the other 1,407 acre feet. Construction will be of concrete. Construction will start early in 1917.

SAN JOSE, SANTA CLARA CO., CAL.—Drainage ditch. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. The County Supervisors have ordered bids received up to November 6th at 11 a. m. for the construction of the Foxworthy drainage ditch to be constructed in Supervisor District No. 4. Plans for the work were prepared by the County Engineer. Further information together with plans and specifications may be had from the County Clerk, Henry A. Pfister, at San Jose.

WATERFORD, STANISLAUS CO., CAL.—Office building, 1 story, concrete. Cost not stated. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Bids will be opened on November 10th at 2 p. m. for a concrete office building with a fireproof vault. Plans can be secured from the Secretary of the Irrigation District at Waterford.

Contracts Awarded

OAKDALE, STANISLAUS CO., CAL.—Canal lining, \$5,595. Engineer, Chief Engineer, Oakdale Irrigation District. Owners, Oakdale Irrigation District. Contractors, Tieslau Bros., 110 Jessie street, S. F. Contract price, \$5,595.

POWER HOUSES.

FRESNO, FRESNO CO., CAL.—Hydroelectric plant, \$350,000. Engineer, A. S. Kalenborn, Fresno. Owners, San Joaquin Light and Power Co. The San Joaquin Light and Power Co. has begun work of excavating for the construction of a hydroelectric plant in Crane Valley. The plant will be completed by June, 1917.

SAN FRANCISCO—Hetch Hetchy work. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The following low bids have been received for work at the Hetch Hetchy: Riveted steel pipe, Western Pipe and Steel Co., \$6,380; logging road engine, Leland Equipment Co., \$2,490; copper wire, John A. Roebling Sons Co., \$0.3307 per pound.

Contracts Awarded

WOODLAND, YOLO CO., CAL.—Cast iron water pipe, \$4,945.38. Engineer, City Engineer, Woodland. Owners, City of Woodland. Contractors, American Cast Iron Pipe Co., S. F. Contract price, \$4,945.38.

RAILROAD CONSTRUCTION AND EQUIPMENT

ECHANDIA, LOS ANGELES CO., CAL.—Car barns, 1 story steel and brick, \$95,000. Architect, M. C. Halsey,

Pacific Electric Bldg., 1 A. Owner, Pacific Electric Railway Co. Location, Echandia Junction and Watts, covering an area of 65 by 385 feet. Plans for considerable other work are also being prepared.

SAN FRANCISCO—Railroad extension, \$6,380. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Eaton & Smith submitted the low bid for the extension of the Potrero Street Municipal Car Line at \$6,380.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Emil Nelson, 430 26th avenue, S. F. Location, east Douglas south 17th avenue. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$15,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, P. J. Miller. Location, 12th avenue between Fulton and Cabrillo. Will contain twelve rooms, three baths and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$4,000. Architect, William Koenig, Humboldt Bank Bldg., S. F. Owner, Margaret J. Koenig. Location, east 13th avenue south Cabrillo. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1 story and base, frame, \$2,000. Architect, H. D. Mitchell, 629 Montgomery street, S. F. Owner, Robert Prognier. Location, north Balboa east 22nd avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, J. B. Clifford, 3847 35th avenue, Oakland. Location, west 35th avenue north Hopkins. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,700. Architect, none. Owner, C. A. Jackson, 2911 Viola street, Oakland. Location, north East 16th street west 5th avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1½ story and base, frame, \$3,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, A. H. Brandt. Location, 918 Mono street. Will contain six rooms, bath and sleeping porch. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 1 story and base, \$1,800. Architect, none. Owner, F. P. Montague, 1052 Central avenue, Oakland. Location, west 65th avenue south Fairview. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Emma Coburn, 2370 East 25th street, Oakland. Location, west Maple south Delaware. Will contain six

rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, J. B. Peppine, San Leandro. Location, Squayah Hills Tract. Will contain six rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$1,800 each. Architect, none. Owner, Justus Norris, 2828 Richmond avenue, Oakland. Location, west Richmond avenue south 20th street. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

GLEN ELLEN, SONOMA CO., CAL.—Residence, 1 story and base, brick and concrete. Cost not stated. Architect, none. Owner, Natalie Forni, 165 7th street, Santa Rosa. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,500. Architect, C. S. McNally, 16 Kearny street, S. F. Owner, S. S. Reed, 683 7th avenue, S. F. Location, 24th avenue between Anza and Balboa. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$1,000 each. Architect, none. Owners, S. A. Born Building Co., 660 Market street, S. F. Location, Lincoln Manor. Each dwelling will contain eight rooms, two baths and basement garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$1,500. Architect, M. L. Digges, Syndicate Bldg., Oakland. Owner, John D. Garretson. Location, east Thomas north Broadway. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, H. C. Pfarr, 320 Forest street, Oakland. Location, south 6th west Colby. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, George Ferguson, Elmhurst. Location, west 96th avenue north Cherry. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$3,500. Architect, none. Owner, H. C. Pfarr, 320 Forest street, Oakland. Location, northwest Ventura and Marin. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, E. N. Berthand, 1037 Peralta avenue, Oakland. Location, northeast Marin and Nelsen. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, Herbert Bowles, 635 19th street,

Richmond, Location, 20th between Roosevelt and Montgomery. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BURLINGAME, SAN MATEO CO., CAL.—Residence, 2 story and base, concrete, frame and brick, \$50,000. Architect, Charles E. Gottschalk, Phelan Bldg., S. F. Owner, Edwin Christensen. Will contain twenty rooms, six baths and a number of out buildings. Plans complete and contracts awarded for the excavating, plain and reinforced concrete work and plumbing. Balance of the work to be awarded shortly.

SCHOOLS

OAKLAND, CAL.—Schools, portable, 1 story, frame, \$640 each. Architect, none. Owners, City of Oakland. John R. Faulkes presented the lowest figure for four portable schools and will probably be awarded the contract. A complete list of these figures together with the bids for a toilet building at the Lakeview School will be found under the heading of Oakland in this issue.

RIVERDALE, FRESNO CO., CAL.—School, 2 story and base, brick and concrete, \$25,000. Architect, Ernest J. Kump, Fresno. Owners, Riverdale School District. Trewhitt & Shields Co. presented the lowest bid for the new school building at \$25,890, with James L. Daly second low at \$27,320. Bids were taken under advisement.

SEATTLE, WASH.—School addition, 2 story and base, brick, \$46,000. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. A two-story addition will be made to the Fauntleroy School. Plans are complete and figures will be called for at once.

SEATTLE, WASH.—School addition, 2 story and base, brick, \$75,000. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. This addition, to be made to the J. B. Allen School, will contain twelve class rooms and an auditorium. Plans are nearly complete and bids will be called for shortly.

WATSONVILLE, SANTA CRUZ CO., CAL.—School, 2 story and base, brick and concrete, \$100,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Watsonville Union High School District. Will contain sixteen class rooms, auditorium, library and office. Plans complete and figures being taken. Bids open on November 6th. Plans on file with the architect or Clerk of the Board of Education.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—School, 2 story and base, brick and concrete, \$52,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, South San Francisco School District. Revised plans for this work have been completed and are now out for figures. New bids are to be opened on October 30th.

ALAMEDA, ALAMEDA CO., CAL.—School, 2 story and base, brick and concrete. Cost not stated. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. After tentatively awarding the contract for the Lincoln School to Carnahan & Mulford, the Alameda Board of Education has revoked the contract and ordered changes in the specifications. Revised plans are now out for

figures. New bids will be opened on November 7th.

MARYSVILLE, YUBA CO., CAL.—School, 1 story, brick. Cost not stated. Architect's name not given. Owners, City of Marysville. Bids will be received on November 2nd for a brick school. Separate bids are being taken for the heating, ventilating, plumbing and electric work. Plans can be secured from the Superintendent of Schools, Marysville.

Contracts Awarded.

KNIGHTS' VALLEY SCHOOL DISTRICT, SONOMA CO., CAL.—School, 1 story, frame, \$2,000. Architects, Turton & Herbert, Santa Rosa. Owners, Knights Valley School District. Contractor, T. H. Money, Santa Rosa. Contract price, \$2,000.

SEWERS, STREET WORK & WATER SYSTEMS

STOCKTON, SAN JOAQUIN CO., CAL.—Street paving, \$3,562.24. Engineer, City Engineer, Stockton. Owners, City of Stockton. The Federal Construction Co., Sharon Bldg., S. F., submitted the lowest bid for paving streets fronting the North School and will probably be awarded the contract.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on October 27th for street improvements authorized under the following resolution: That the roadway of San Pablo avenue from the southern boundary line of the city of Berkeley to the northern boundary line of the city of Berkeley, be graded, construct concrete curbs and gutters, a vitrified pipe storm sewer be constructed in San Pablo avenue from Hearst avenue to Delaware street; one manhole, reinforced concrete catch basins, vitrified pipe connections with the storm sewer, and the remainder of the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete foundation 6 inches thick.

OAKLAND, CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 26th for sewer construction authorized under the following resolution: That a sewer having an internal diameter of 8 inches be constructed in Fleming avenue in the vicinity of Courtland avenue. Also three brick manholes, a lamphole and Y branches, having 5-inch openings, be constructed on said sewer so as to provide one such branch for each 40-foot lot. The aforesaid sewer, Y branches and lamphole (except the top thereof) shall be constructed of vitrified sewer pipe.

CHINO, SAN BERNARDINO CO., CAL.—Street paving, \$53,715.75. Engineer, City Engineer Paul E. Kressly, Chino. Owners, City of Chino. The California-Arizona Construction Co., Los Angeles, presented the lowest figure at \$53,715.75 for street paving and will be awarded the contract. The next lowest bid was that of George B. Curtis at \$61,904.85.

NAPA, NAPA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Napa. Owners, City of Napa. Bids will be opened on October 30th for street improvements authorized under the following resolution:

That the roadway on Linn street, from Seymour street to the westerly limits of the city of Napa and the termination of Linn street, be graded, cement concrete curbs constructed, and the roadway paved with water bound macadam, consisting of crushed rock 6 inches in depth after its final rolling and dressing of crushed rock screenings.

FRESNO, FRESNO CO., CAL.—Cottage at sewer farm, 1 story, frame. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be opened on November 6th for a frame cottage to be erected at the sewer farm. Plans can be had from the City Clerk.

BAKERSFIELD, KERN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. At the last meeting of the City Council the City Engineer was instructed to prepare plans and specifications for paving of 23rd street from E to Chester avenue.

SAN FRANCISCO—Sewer construction, \$37,970.50. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The Clinton Construction Co. submitted the low bid for the La Playa sewer at \$37,970.50.

FRESNO, FRESNO CO., CAL.—Street sweeper, \$3,500. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be opened on November 20th for furnishing a motor-driven street sweeper.

LOS ANGELES, CAL.—Drainage work, \$84,936. Engineer, County Surveyor, L. A. Owners, Los Angeles County. James Kennedy, Washington Bldg., L. A., submitted the low bid for improvement work in Drainage District No. 1. He will probably be awarded the contract.

VENTURA, VENTURA CO., CAL.—Highway improvement. Cost not stated. Engineer, County Highway Commission, Ventura. Owners, Ventura County. Bids will be received by the Board of Supervisors up to 11 a. m. of November 8th for improving Division 1, Ventura to Santa Paula (11.1 miles), by grading and paving with concrete 16 feet wide and 4 inches thick, and constructing culverts. Plans and specifications, etc., may be obtained at the office of the Highway Commission upon deposit of \$3.

WATTS, LOS ANGELES CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Watts. Owners, City of Watts. Bids will be received by the City Clerk up to 5 p. m. of November 14, 1916, for improving Sunland avenue between Success avenue and Compton avenue. Will include 24,000 square feet of oil bound rock macadam paving, 1,460 linear feet of curb and 7,300 square feet of cement sidewalk. For improving Queen avenue between Success avenue and Compton avenue. Work will include 24,000 square feet of oil bound rock macadam paving, 1,520 feet of curb and 7,600 square feet of cement sidewalk. For improving Ann street between Sunland avenue and Queen avenue. Work will include 15,750 square feet of oil bound rock macadam paving, 1,050 linear feet of cement curbs, and 5,250 square feet of cement sidewalk. For improving Wall street between Sunland avenue and Queen avenue. Work will include 15,360 square feet of oil bound rock

macadam paving, 1,024 linear feet of cement curb, and 5,120 square feet of cement sidewalk, in accordance with plans and specifications, which may be obtained at the office of the City Engineer. Certified check or bond for 10 per cent is required. Virgil R. Franklin is the City Clerk.

Contracts Awarded.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, San Francisco. Contracts for street improvements have been awarded under the following resolutions: The improvement of 20th avenue, between Lawton and Moraga Sts., by the construction of concrete curbs and asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Owen McHugh, 304 Russ Bldg., S. F., for \$3,900.

The improvement of 19th avenue, between Lawton and Moraga streets by the construction of artificial stone sidewalks at least 9 feet wide where artificial stone sidewalks at least 9 feet wide are not already constructed. Awarded to A. O. Field, 1465 20th avenue, S. F., for \$831.45.

The improvement of the crossing of 21st and Church streets by resetting existing curbs and catch basins; construction of artificial stone sidewalks on the angular corners; an asphalt pavement consisting of a 6-inch concrete foundation with a 2-inch asphaltic wearing surface. Awarded to D. L. Bienfeld, Phelan Bldg., S. F., for \$1,257.92.

The improvement of Balboa street, between the east line of 28th avenue and the east line of 29th avenue, by grading; construction of concrete curbs; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface; artificial stone sidewalks and three brick catch basins, and 10-inch, vitrified, salt-glazed, ironstone, pipe culverts in the crossing. Awarded to Owen McHugh, 304 Russ Bldg., S. F., for \$5,409.60.

The improvement of Anza street, between the west line of 45th avenue and the west line of 46th avenue, by the construction of concrete curbs; artificial stone sidewalks and three brick catch basins with 10-inch, vitrified, salt-glazed, ironstone pipe culverts on the crossing; and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Peter McHugh, Jr., 3908 Clay street, S. F., for \$1,911.46.

The improvement of 20th avenue, between Moraga street and Quintara street, by the construction of the following vitrified, salt-glazed, ironstone pipe sewers with the necessary Y branches and brick manholes with cast iron frames and covers and galvanized wrought iron steps: 8, 12, 18, 21-inch with 141 Y branches and 10 brick manholes; 10 brick catch basins, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; artificial stone sidewalks; concrete curbs; and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway of the crossing and

intervening blocks of 20th avenue between the south line of Moraga street and the south line of Quintara street. Awarded to Owen McHugh, 304 Russ Bldg., S. F., for \$27,135.65.

The improvement in front of city property of the north half of Division street from 10th street to Bryant street, produced north, and of the north half of 11th street between Bryant and Division streets, where not already improved, by laying and grouting basalt header blocks to be furnished by the city along the outside rails; by the construction of two brick catch basins with cast iron frames, gratings, traps and 10-inch, vitrified, salt-glazed, ironstone pipe culvert, and an asphalt pavement, consisting of a 6-inch concrete foundation, a 1½-inch asphaltic binder course and a 1-inch asphaltic wearing surface. Awarded to The Fay Improvement Co., Phelan Bldg., S. F., for \$2,018.46.

SAN LEANDRO, ALAMEDA CO., CAL.—Street paving, \$26,325.60. Engineer, Town Engineer, San Leandro. Owners, Town of San Leandro. Contractors, Johnson-Shea Co., Central Bank Bldg., Oakland. Contract price, \$26,325.60.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Street improvements. Cost as follows. Engineer, Town Engineer, South San Francisco. Owners, South San Francisco. Contractor, J. Lindgren, Monadnock Bldg., S. F. Contract price, grading, 3 cents a square foot; paving, 11 cents a square foot.

TUCSON, ARIZ.—Highway construction, \$82,000. Engineer, County Surveyor, Tucson. Owners, Pima County. Contractors, Aubrey Investment Co., Prescott. Contract price, \$62,000.

OAKLAND, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland, M. P. Cambar, 1044 91st avenue, Oakland, has been awarded the contract by the City Council of Oakland for the following work: That a sewer having an internal diameter of 8 inches be constructed along Whittle avenue from Fruitvale avenue Lot 6 of the Ellen Stotts Tract No. 1; that three brick manholes; a lamp-hole with top of brick and cast iron; Y branches, having 5-inch openings; the aforesaid proposed sewer, Y branches and lamp-hole (except the top thereof) shall be constructed of vitrified sewer pipe.

REDWOOD CITY, SAN MATEO CO., CAL.—Retaining walls, reinforced concrete, \$3,931. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, H. B. Morey & Sons, Menlo Park. Contract price, \$3,931.

SAN RAFAEL, MARIN CO., CAL.—Clearing creek. Cost as follows. Engineer, County Surveyor, San Rafael. Owners, Marin County. Contractors, Baker & Martin, Sheldon Bldg., S. F. Contract price, 32c per cubic yard.

SAN RAFAEL, MARIN CO., CAL.—Road improvement, \$1,620. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Contractor, Otto Engel, San Rafael. Contract price, \$1,620.

LOS ANGELES, CAL.—Road improvement, \$52,112.61. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Contractors, S. C. Contracting Co., Title Insurance Bldg., L. A. Contract price, \$52,112.61.

STORES AND OFFICES

SAN FRANCISCO—Stores, 1 story and base. Class C construction. Cost not stated. Architects, Bliss & Faville, Balboa Bldg., S. F. Owner's name withheld. Location, 11th near Market. Will contain several stores. Plans being prepared.

SAN FRANCISCO—Offices, 4 story and base. Class A construction. Cost not stated. Architect not selected. Owner, Ogden Mills. The property on the south side of Pine street west of the Sub Treasury, recently purchased by John A. Hooper, has been purchased by Ogden Mills. While no information was given at Mr. Mills' office, it is understood that a four-story building will be erected at once. Architect Willis Polk, who has always done the work for Ogden Mills, will probably prepare the plans for the new building. Definite information will be given in a later issue.

OAKLAND, CAL.—Stores, 1 story, frame, \$10,000. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, I. P. Diggs. Location, College and Shafter avenues. Will contain six stores. Plans complete and architect taking subfigures.

Contracts Awarded

SAN FRANCISCO—Stores and market, 1 story and base. Class C construction, \$12,000. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. Contractors, Higginson Co., Humboldt Bank Bldg., S. F. Contract price, \$12,000.

SAN FRANCISCO—Store, 3 story and base. Class C construction, \$75,000. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, E. C. and I. I. Brown, leased to Newman Furniture Co. Contractors, McDonald & Kahn, Rialto Bldg., S. F. Contract price, \$75,000.

THEATRES

LOS ANGELES, CAL.—Theatre and offices. Class A construction, \$600,000. Architect, Albert C. Martin, Higgins Bldg., L. A. Owners, Stability Building Co. Location, southwest Third and Broadway, covering an area of 120 by 198 feet. The major portion of the building will be occupied by the theatre and the balance given over to stores and offices. Plans for the structural steel work are now being prepared.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. P. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Monday, November 13, 1916, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of "Open Air Cottage," Agnew's State Hospital Agnew, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the entire work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum

(10%) of the amount of the bid must accompany each bid. The deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Open Air Cottage,' Agnew State Hospital, Agnew, California." (SIGNED) W. F. McCLURE, State Engineer. (*)

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS, in triplicate, for repairing wharf at Presidio of San Francisco, Cal., will be received here until 11 A. M., November 3, 1916, and then opened. Further information on application. (*)

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the Office of the Comptroller, 220 California Hall, University of California, Berkeley, California, at or before 9:30 A. M., November 1st, 1916, for the Exterior Cement Finish for the best wing of the permanent Chemistry Building on the grounds of the University of California at Berkeley.

Plans and specifications may be obtained at the Cashier's window in the Office of the Comptroller after 9 A. M. Monday, October 23rd, 1916, on payment of a deposit of \$50.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications accompanied by a regular bid for the work. No bids will be received unless accompanied by a certified check or bond in favor of the undersigned equal to 10% of the successful execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA. (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1088—Proposals for Steel, Brass, For Pockets, Steel or Iron Pipe, Boiler Tubes, Steel Cable, Chain, Toe Calks, Zinc, Hammers, Wrenches, Chisels, Hatchets, Axes, Adzes, Mattocks, Drills, Reamers, Blades, Files, Ratchet Drills, Ropes, Tapes, Stocks and Dies, Drill Sockets, Pipe Cutters, Bolt Cutters, Planes, Pliers, Vises, Jacks, Squares, Screw Clamps, Hose Clamps, Hosiery, Nozzles, Grommets, Bolts, Hinges, Chain Blocks, Snatch Blocks, Tackle Blocks, Coke Forks, Hoes, Trowels, Brooms, Floor Brushes, Tool Handles, Wagon Rims, Saddles, Buckets, Tarpaulins, Gongs, Bells, Tallow Pots, Lanterns, Lamp Chimneys, Scythe Stones, Cylinder Poring Bars, Tool Grinders, Battery Charging Panel, Generator Panel, Shelf Brackets, Elbow Catches, Drawer Pulls, Funnels, Refrigerator, Scales, Table Casters, Sponges, Vinegar Bottles, Welding Spectacles, Asbestos Gloves, Rubber Hose, Railroad Flags, Rules, Steel Tapes, Twine, Crayons, Pencils, Pins, Nails, Rubber Bands, Blank Books, Ropes, Paper, Pressboard, Envelopes, Crayons, Oil, Gasoline, Oil, Alcohol, Metallic Zinc, White Zinc, Lead Oxide of Mercury, Indian Red and Gum Shellac.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 A. M., November 2, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1088) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL I. BROWN, major, corps of engineers, U. S. Army, general purchasing officer.

SALE OF MATERIAL.

SALE OF MATERIAL.—There will be sold at the navy yard, Mare Island, Cal., material belonging to the navy, condemned as unfit for use therein, consisting of motor boats, steamers, furniture, linen, glassware, cutlery, scales, musical instruments, clothing, lathe, air compressors, pipe machine, engines, furnaces, blowers, hose, pumps, fire engine, chain hoists and falls, etc. The sale will be for cash to the highest bidder by sealed proposals to be opened at 1:30 p. m., November 2, 1916. Schedules containing form of proposals and terms of sale can be obtained upon application to the supply officer, navy yard, Mare Island, Cal. JOSEPH S. DANIELS, Secretary of the Navy.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 6, 1916.—SEALED PROPOSALS will be received in this office until 3 P. M., November 6, 1916, and then opened for furnishing and delivering metal vault shelving for buildings under the control of the Treasury Department, in accordance with drawing attached hereto, and the specification, copies of which may be had at this office. JAMES A. WETMORE, Acting Supervising Architect. (*)

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS, in triplicate, for constructing extension to Sewer System, Letterman General Hospital, will be received here until 11 A. M., October 28, 1916, and then opened. Further information on application. (*)

BIDS WANTED FOR SCHOOL FURNITURE.

LAS VEGAS, Nev.—Until noon Oct. 21, bids will be received by the County Board of Education of Clark county, for furnishing furniture and equipment, f. o. b. at city nearest possible to Las Vegas, for use in the branch county high school at Bunkerville, including 5 teachers' desks, 10 tables, 12 folding tables, 1 dozen plain oak chairs, 1/2 dozen plain tablet arm chairs, 3 1/2 dozen plain chairs, 6 dozen folding chairs, 2 dozen steel desks, 8 rears, 1 dozen adjustable desks, 2 sections double tier steel lockers, wall type, fibre rug, typewriter stand, 41 saws, 1 school wall clock, blackboard surfacer for 1660 sq. ft. two coats, green, 1 gas machine, 1 steel filing cabinet for letters, etc. Bids must be marked "Sealed Bids for Furnishing School Furniture," and addressed to MRS. ELLEN CONNELLY, Las Vegas, Nev. Certified check, O. C. Cazal, President; Ellen J. Connelly, Clerk. (*)

CALL FOR BIDS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS, in triplicate, for furnishing and installing fire hydrants at Presidio of San Francisco, Cal., will be received here until 11 A. M., October 27, 1916. Further information on application. (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1088 — Proposals for Two Colliers of 12,000 Tons Cargo Capacity.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 A. M., December 1, 1916, at which time they will be opened in public, for furnishing the above mentioned colliers. Blanks and general information relating to this circular (No. 1088) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; or from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL I. BROWN, major, corps of engineers, U. S. Army, general purchasing officer.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the Supervising Architect's Office, Treasury Department, Washington, D. C., until December 4, 1916, for the construction, complete, of the Post Office at Twin Falls, Idaho. Drawings and specifications may be obtained after October 25, 1916, from the custodian of the site at Twin Falls, Idaho, or at the above-named office. (*)

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the United States Coast Guard, Treasury Department, Washington, D. C., until December 4, 1916, for constructing a coast-guard station and accessories on the Siuslaw River, Oregon. Specifications and drawings may be obtained on application to the Superintendent, Thirteenth District, Coast Guard, San Francisco, Cal., or to the above-named office. (*)

PROPOSAL FOR INSPECTION OF MATERIALS.

SEALED PROPOSALS will be received at the office of the United States Reclamation Survey, Washington, D. C., until October 30, 1916, for inspection of materials and machinery for the Reclamation Service for a period of three years. Further information may be obtained at the above-named office. (*)

PHOSPHATE ROCK IN 1915.

The annual statement of the Geological Survey, Department of the Interior, on Phosphate Rock in 1915, with an added chapter giving simple tests for phosphate, is now available for distribution. The phosphate rock marketed in the United States during the year is stated at 1,835,667 long tons, valued at \$5,413,449.

STANDARDS FOR SCHOOL HOUSE CONSTRUCTION.

Attention is called to the waste and lack of system in schoolhouse construction in this country in a forthcoming bulletin of the schoolhouse standardization committee of the National Educational Association. The committee appeals for information from local authorities relative to the standards used in their vicinities for schoolhouses and which have met with the approval of state and city officials, commercial organizations, and boards of education.

From the returns the committee hopes to secure sufficient data for drafting a set of standards for schoolhouse planning. The information desired will cover such items as cost, analysis of situations, and relative areas set aside for the various purposes of the school. The committee plans to send out its standards expressed in such language that boards of citizens will not require a technical expert to assist them.

The committee, which will make its report at the next meeting of the National Educational Association, has the following members: Chairman, Frank Irving Cooper of Boston; S. A. Callahan, School building commissioner of Minnesota; C. E. Chadsey, superintendent of schools Detroit; Prof. Lewis M. Terman of Stanford University, and Dr. Leonard P. Ayres of the Russell Sage Foundation, New York.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

BARRACKS—4 story and base, Class construction, \$100,000. San Francisco, Architect not selected. Owners, on Commissioned Officers of the Volunteer League of America, H. W. Ostlewaite, Monadnock Bldg., Location, 17th and Polson streets. Only preliminary plans, prepared by the astern engineers of the owners have reached here. The site has been purchased. Further mention will be made of the work.

HETCH HETCHY WORK—Cost as follows. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The following low bids have been received for work at the Hetch Hetchy: riveted steel pipe, Western Pipe and Steel Co., \$6,380; logging road engine, Island Equipment Co., \$2,490; copper pipe, John A. Roebing Sons Co., \$0,3307 or pound.

SEWER CONSTRUCTION—\$37,970.50. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The Clinton Construction Co. submitted the low bid or the La Playa sewer at \$37,970.50.

STREET SWEEPER—\$3,500. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno, Fresno, Owners, City of Fresno. Bids will be opened on November 20th or furnishing a motor driven street sweeper.

OFFICES—4 story and base, Class construction, Cost not stated. San Francisco, Architect not selected. Owner, Ogden Mills. The property on the south side of Pine street west of the Sub Treasury, recently purchased by John A. Hooper, has been purchased by Ogden Mills. While no information was given out at Mr. Mills' office, it is understood that a four-story building will be erected at once. Architect, Willis Polk, who has always done the work for Ogden Mills, will probably prepare the plans for this new building. Definite information will be given later.

RESIDENCE—2 story and base, frame, \$15,000. San Francisco. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, P. J. Miller. Location, 13th avenue between Fulton and Cabrillo. Will contain twelve rooms, three baths and basement garage. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Emil Nelson, 430 26th avenue, S. F. Location, east Douglas south 15th avenue. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$4,000. San Francisco. Architect, William Koenig, Humboldt Bank Bldg., S. F. Owner, Margaret J. Koenig. Location, east 13th avenue south Cabrillo. Each dwelling will contain seven rooms, bath and basement gar-

rage. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. San Francisco. Architect, H. B. Mitchell, 629 Montgomery street, S. F. Owner, Robert Prognier. Location, north Balboa east 22nd avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—7 story and base, Class B, reinforced concrete, \$110,000. San Francisco. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owner, Mayer Wood. Location, northwest Jackson and Franklin Sts., covering an area of 40 by 127½ feet. Will contain seven apartments of nine rooms and three baths. Plans being prepared.

APARTMENT HOUSE AND STORES—3 story and base, Class C construction, \$17,000. San Francisco. Architect, W. S. Hind, 46 Kearny street, S. F. Owners, Mealy & Collins. Location, southwest Powell and Washington streets, covering an area of 37 by 60 feet. Will contain two stores and nine apartments of two and three rooms. Plans complete and segregated figures being taken.

APARTMENT HOUSE ALTERATION—3 story and base, frame, \$15,000. San Francisco. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owner, Miss C. Chariot. Location, north Post between Fillmore and Steiner. Work will consist of altering the present three-story flat building into six modern apartments. Plans are being prepared.

APARTMENT HOUSE 8 story and base, Class C, reinforced concrete, \$105,000. San Francisco. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owner, A. W. Wilson. Location, north Jackson west Franklin, covering an area of 35 by 15½ feet. Will contain eight apartments of nine rooms and three baths. Preliminary plans only prepared.

APARTMENT HOUSE—3 story and base, frame, \$36,000. San Francisco. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owners, D. H. Green and Ray G. Salfeld. Location, southwest Pacific and Franklin, covering an area of 47½ by 100 feet. Will contain six apartments of six rooms and two baths. Plans complete and figures to be called for shortly.

APARTMENT HOUSE—4 story and base, reinforced concrete, \$35,000. San Francisco. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, J. G. Kincaid, 3040 Steiner street, S. F. Location, north Post east Leavenworth. Will contain twenty apartments of two and three rooms. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$30,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, James J. Flinn. Location, northwest Duboce and Divisadero, covering an area of 50 by 70 feet. Will contain eighteen apartments of two and three rooms.

Plans complete and excavating being done by owner. Other parts of the work to be figured shortly.

APARTMENT HOUSE—5 story and base, Class C construction, \$15,000. San Francisco. Architect, Albert Schioppfer, Nevada Bank Bldg., S. F. Owner, Louis D. Stoff. Location, north Bush between Mason and Taylor streets, covering an area of 40 by 120 feet. Will contain seventeen apartments of three rooms and bath. Plans complete and segregated figures being taken.

STORES—1 story and base, Class C construction, Cost not stated. San Francisco. Architects, Bliss & Paville, Balboa Bldg., S. F. Owner's name withheld. Location, 14th near Market. Will contain several stores. Plans being prepared.

RESIDENCE—2 story and base, frame, \$3,500. San Francisco. Architect, C. S. McNally, 46 Kearny street, S. F. Owner, S. S. Reed, 633 7th avenue, S. F. Location, 21th avenue between Anza and Balboa. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$4,000 each. San Francisco. Architect, none. Owners, S. A. Born Building Co., 660 Market street, S. F. Location, Lincoln Manor. Each dwelling will contain eight rooms, two baths and basement garage. Plans complete and work to be done by Day Labor.

WHARF REPAIRS—Timber and concrete. Cost not stated. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids will be opened on November 3rd for repairs to the wharf at the Presidio of San Francisco. An official proposal appears in another column of this issue.

STORES—3 story and base, Class C construction, \$75,000. San Francisco. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, B. C. and I. I. Brown, leased to Newman Furniture Co. Contractors, McDonald & Kahn, Rialto Bldg., S. F. Contract price, \$75,000.

FLATS—2 story and base, frame, \$9,000. San Francisco. Architect, none. Owner, P. D. Taylor, 115 9th avenue, S. F. Location, southwest 9th avenue and Lake street, covering an area of 25 by 80 feet. Will contain four flats of four and five rooms. Plans complete and work to be done by Day Labor.

FLATS—3 story and base, frame, \$7,000. San Francisco. Architect, J. Devenenz, 1069 Union street, S. F. Owner, P. Costello, 412 Broadway, S. F. Location, south Green west Montgomery, covering an area of 25 by 68½ feet. Will contain six small flats. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, E. A. Knoop, 515 14th street, S.

F. Location, east Ramona south 14th, covering an area of $24\frac{1}{2}$ by 48 feet. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$10,000. San Francisco. Architect, none. Owners, John J. Binet Co., 68 Ramona street, S. F. Location, west Ramona south 14th street, covering an area of 25 by 85 feet. Will contain six flats of four and five rooms. Plans complete and work to be done by Day Labor.

DETENTION HOME SHADIES—\$174. San Francisco. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. F. W. Callahan presented the low bid for furnishing shades for the Juvenile Detention Home and will be awarded the contract. A complete list of the figures will be found under the heading of San Francisco in this issue.

JAIL TOILET FIXTURES—\$2,695. San Francisco. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Alex. Coleman presented the low bid for toilet fixtures in Jails Nos. 2 and 3 and will be awarded the contract. A complete list of these bids will be found under the heading of San Francisco in this issue.

FACTORY AND WAREHOUSE—4 story and base, reinforced concrete, \$350,000. San Francisco. Engineer, Maurice C. Couchot, 110 Sutter street, S. F. Owners, American Ever Ready Co. Location, northeast Eighth and Brannan, covering an area of 275 by 275 feet. Construction fireproof. Further details will be given as the plans progress.

LAUNDRY ALTERATION—3 story, frame, \$2,500. San Francisco. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, A. Calvere. Location, Geary near Fillmore. Work will consist of new concrete floors, interior trim, plumbing and electric work. Plans complete and figures being taken.

GOVERNMENT WORK—Cost not stated. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids will shortly be called for by the Constructing Quartermaster's Office at Fort Mason, for repairs to Presidio dock, road construction at Fort Miley and for a boulevard in the Presidio, connecting with the Lincoln Highway and West Clay street. Instructions have been received from the War Department to proceed with the construction of the Fort Baker tunnel at once. The work will be handled by the Constructing Quartermaster's office under the Day Labor system, the only contracts to be let being for machinery and equipment, cement, power and lumber. The tunnel will be 16 by 16 feet on a gradient of 4 per cent, making a total length of 2,500 feet. The tunnel will be in rock for its entire length.

Contracts Awarded.

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer. San Francisco. Contracts for street improvements have been awarded under the following resolutions: The improvement of 20th avenue, between Lawton and Moraga streets, by the construction of concrete curbs, an

asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Owen McHugh, 304 Russ Bldg., S. F., for \$3,900.

The improvement of 19th avenue, between Lawton and Moraga streets, by the construction of artificial stone sidewalks at least 9 feet wide where artificial stone sidewalks at least 9 feet wide are not already constructed. Awarded to A. O. Field, 1465 20th avenue, S. F., for \$831.45.

The improvement of the crossing of 21st and Church streets by resetting existing curbs and catch basins; construction of artificial stone sidewalks on the angular corners, and an asphalt pavement, consisting of a 6-inch concrete foundation with a 2-inch asphaltic wearing surface. Awarded to D. L. Biehnfeld, Phelan Bldg., S. F., for \$1,257.92.

The improvement of Balboa street, between the east line of 28th avenue and the east line of 29th avenue, by grading; construction of concrete curbs; an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface; artificial stone sidewalks, and three brick catch basins, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts in the crossing. Awarded to Owen McHugh, 304 Russ Bldg., S. F., for \$5,409.60.

The improvement of Anza street, between the west line of 45th avenue and the west line of 46th avenue, by the construction of concrete curbs; artificial stone sidewalks and three brick catch basins with 10-inch, vitrified, salt-glazed, ironstone pipe culverts on the crossing, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Peter McHugh, Jr., 3908 Clay street, S. F., for \$1,944.40.

The improvement of 20th avenue, between Moraga street and Quintara street, by the construction of the following vitrified, salt-glazed, ironstone pipe sewers with the necessary Y branches and brick manholes with cast iron frames and covers and galvanized wrought iron steps; 8, 12, 18, 21-inch with 141 Y branches and 10 brick manholes; 10 brick catch basins, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; artificial stone sidewalks; concrete curbs; and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway of the crossing and intervening blocks of 20th avenue between the south line of Moraga street and the south line of Quintara street. Awarded to Owen McHugh, 304 Russ Bldg., S. F., for \$27,135.65.

The improvement in front of city property of the north half of Division street, from 10th street to Bryant St., produced north, and of the north half of 11th street between Bryant and Division streets, where not already improved, by laying and grouting basalt header blocks to be furnished by the city along the outside rails; by the construction of two brick catch basins with cast iron frame, gratings, traps, and 10-inch, vitrified, salt-glazed, ironstone pipe culvert, and an asphalt pavement, consisting of a 6-inch, concrete foundation, a $1\frac{1}{2}$ -inch asphaltic

binder and a 1-inch asphaltic wearing surface. Awarded to The Fay Improvement Co., Phelan Bldg., S. F., for \$2,018.46.

STORES AND MARKET—1 story and base, Class C construction, \$12,000. San Francisco. Architects, Paley & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. Contractors, Higgins Co., Humboldt Bank Bldg., S. F. Contract price, \$12,000.

RAILROAD EXTENSION—\$6,380. San Francisco. Engineer, City Engineer. City Hall, S. F. Owners, City and County of San Francisco. Eaton & Smith submitted the low bid for the extension of the Potrero Street Municipal

HOSPITAL STERILIZERS, ETC.—\$3,575. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractors, Burnham Plumbing Co., 122 Webster street, S. F. Contract price, \$3,575.

City Bids Opened.

Bids were opened at the regular Wednesday meeting of the San Francisco Board of Public Works for two Hetch Hetchy jobs and for a large sewer contract. Following is a list of the bids received:

Logging Road Engine, Hetch-Hetchy
Western Equipment Co. \$2,000
Leland Equipment Co. 2,490

Copper Wire, Hetch-Hetchy.

Per lb.
John A. Roebeling Sons Co. \$.330
Standard Underground Cable Co.334
Telephone & Elec. Equipment Co.334

The Clinton Constr. Co. submitted the lowest bid for constructing a sewer in La Playa street and the Great Highway at \$37,975.50. They will probably be awarded the contract.

Bids were opened at the Friday meeting of the San Francisco Board of Public Works for the following construction: Extension of the Potrero Avenue Municipal Car Line; furnishing riveted steel pipe for the Hetch-Hetchy; toilet fixtures for Jails Nos. 2 and 3 and for shades for the Juvenile Court and Detention Home. A complete list of these bids is given below:

Extension of Potrero Avenue Municipal Car Line.

Eaton & Smith \$6,380
Western Motor Drayage Co. 6,750

Riveted Steel Pipe Line, Hetch-Hetchy
Western Pipe & Steel Co. \$7,555
Schaw-Batcher Co. Pipe Works. 9,500

Toilet Fixtures For County Jails Nos. 2 and 3.

Unit A
The Turner Co. \$2,880 \$14.40
Alex. Coleman 2,695 12.50

A. Lettich 2,997 16.50
J. M. Lettich 2,794 13.48
Kiernan & O'Brien 3,245 14.10

J. E. O'Mara 3,300 15.00
Frank Davidson 4,400 22.00
F. W. Snook & Co. 3,482 16.00

Burnham Plumbing Co. 3,576 17.00

Window Shades, Juvenile Court and Detention Home.

Unit
D. N. & E. Walter Co. \$499 \$...
W. & J. Sloane 671 597

F. W. Callahan 474 ...

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not FOUR WHEEL DRIVE.

On the F-W-D Truck every wheel is a **Driving Wheel**. The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;

Salt Lake City

Building Contracts Awarded. SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Am't.
30023	Purity Sausage Co.	Casty	500
30031	Heald's	Fisher	400
30035	Scoble	Scoble	6000
30036	Same	Scoble	6000
30037	Knoop	Knoop	3000
30038	Koenig	Koenig	4000
30039	Same	Same	4000
30040	Ensign Bldg. Co.	del Favero	400
30041	United Ind. Co.	Novelty	400
30042	Nickel	Nickel	400
30043	Savage	Savage	800
30044	Scoble	Scoble	3000
30045	Downe	Phillips	1000
30046	Luchsinger	Cameron	12000
30047	Comm'l Film	Moller	20000
30048	Pathe Bldg.	Drake	800
30049	Clayes	Wesendunk	4200
30050	St. Francis Bldg.	Owner	1500
30051	Co-la-rin	De Martini	750
30052	Laicht	Hamer	4000
30053	Wolfe	De Luca	2000
30054	Procter	Procter	2000
30055	Barker	Magar	2000
30056	Callbaud	Dravia	12775
30057	Leary	Westerland	1500
30058	Backmish	McNichol	7500
30059	Kincherson	Kincherson	35000
30060	Gordon	Collins	500
30061	Limb	Soules	400
30062	Heyman	Herman	1000
30063	Meyer	Meyer	2000
30064	Myers	Macdonald	16500
30065	St. Francis Bldg.	Owner	4600
30066	Same	Same	3500
30067	York Realty	Owner	7500
30068	Same	Same	7500
30069	Delidelle	Schröder	11340
30070	Same	May	14635
30071	Clayes	Wesendunk	4200
30072	De Ryana	Goldstein	14000
30073	Brown	Macdonald	74322
30074	O'Connor	Lyden	1520
30075	Same	Nat'l Elec	1037
30076	Dunn	del Favero	11500
30077	Central	Schell	400
30078	Colter	Colter	1000
30079	Hammermark	Grant	500
30080	Harth	Callaghan	400
30081	Levy	Wallen	450
30082	Moffatt	Forderer	500
30083	Taussig	Barrett	400
30084	Ruegg	Ruegg	3000
30085	Ruegg	Ruegg	3500
30086	Schlohay	Fahien	500
30087	Codigan	Cadigan	1500
30088	O'Connor	Hamerton	600
30089	Nelson	Nelson	2400
30090	MT. Zion	Parrett	17850
30091	Kinslow	Brandt	5662
30092	Born	Born	4000
30093	Born	Born	4000
30094	Born	Born	4000
30095	McKenzie	Prout	400
30096	Golden West	Bumfield	400
30097	Bied	Bied	10000
30098	Campna	Fisher	4750
30099	Brooks	Johnson	710

ALTERATIONS
(30033) NO. 2035 TWENTY-FOURTH.
Alter sausage factory.
Owner.....Purity Sausage Co., Prem.
Architect...None.
Contractor, John Casty, 327 Brazil Ave
San Francisco
COST, \$500

ALTERATIONS
(30041) NW POST AND VAN NESS
Ave. Alter stores.
Owner.....Heald's Business College,
1215 Van Ness, S. F.
Architect...None.
Contractor, M. Fisher, 683 Mission,
San Francisco.
COST, \$100

FRAME FLATS
(30035) W PIERCE 45 N Sacramento.
Two-story and basement frame flats.
Owner.....Thos. Scoble, 5445 Geary,
San Francisco.
Architect...E. E. Young, 251 Kearny,
San Francisco.
Day's work. COST, \$6000

FRAME FLATS
(30056) W PIERCE 70 N Sacramento.
Two-story and basement frame flats.

Owner.....Thos. Scoble, 5445 Geary,
San Francisco.
Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$6000

FRAME FLATS
(30037) E RAMONA 30 S 14th. Two-
story and basement frame (2) flats.
Owner.....E. A. Knoop, 545 14th, S. F.
Architect...None.
Day's work. COST, \$3000

FRAME RESIDENCE
(30038) E THIRTEENTH AVE 117-6
N Cabrillo. Two-story and basement
frame residence.

Owner.....Margaret J. Koenig, 1108
Cabrillo, San Francisco.
Architect...Wm. Koenig, 914 Hum-
boldt Bank Bldg., S. F.
Day's work. COST, \$4000

FRAME RESIDENCE
(30039) E THIRTEENTH AVE 90
N Cabrillo. Two-story and basement
frame residence.
Owner.....Margaret J. Koenig, 1108
Cabrillo, San Francisco.

Architect...Wm. Koenig, 914 Hum-
boldt Bank Bldg., S. F.
Day's work. COST, \$4000

BRICK GARAGE
(30040) NO. 2169 GREEN. One-story
brick garage.
Owner.....Dr. L. D. Bacigalupi, Prem.
Architect...None.
Contractor, J. del Favero & Pordon,
1839 Mason, San Francisco.
COST, \$1000

ELECTRIC SIGN
(30041) NO. 975 MARKET. Electric
sign.
Owner.....United California Indus-
tries, Humboldt Bk Bldg.,
San Francisco.
Architect...None.
Contractor, Novelty Elec. Sign Co., 165
Eddy, San Francisco.
COST, \$100

ALTERATIONS
(30042) NO. 1187 FORTY-FOURTH AVE.
Raise and alter dwelling.
Owner.....Adella Nickel, Premises.
Architect...None.
Day's work. COST, \$100

ALTERATIONS
(30043) S CALIFORNIA 81-83; E Bat-
tery. Alter offices.
Owner.....M. J. Savage, Flatiron Bldg
San Francisco.
Architect...Chas. E. Gottschalk, Phe-
lan Bldg., San Francisco.
Day's work. COST, \$800

FRAME RESIDENCE
(30044) E NINETEENTH AVE 75 S
Geary. Two-story and basement
frame residence.
Owner.....Thos. Scoble, 363 14th Ave.,
San Francisco.
Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$3000

FRAME DWELLING
(30045) E TWENTY-THIRD AVE 75 S
California. Two-story and basement
frame dwelling.
Owner.....J. H. Downe, 212 23rd
Ave., San Francisco.
Architect...None.

Contractor, J. H. Phillips, 228 23rd
Ave., San Francisco.
COST, \$1000

REPAIRS
(30046) NO. 645 GOLDEN GATE AVE.
Repair roof, plastering, mill work,
glazing, electric and plumbing work
for general repairing to apartments.
Owner.....A. G. Luchsinger, Hum-
boldt Bank Bldg., S. F.
Architect...None.
Contractor, Cameron & Disston, 83
Hearst Bldg., S. F.
COST, \$12,000

CONCRETE STORES
(30047) W MISSION 75 N Twenty-
fourth. Two-story and basement
concrete stores and offices.
Owner.....Commercial Center Realty
Co., 736 Call Bldg., S. F.

Architect...None.
Contractor, R. W. Moller, 736 Call Bldg
San Francisco.
COST, \$20,000

ALTERATIONS
(30048) S MARKET 100 E Sixth. Re-
construct vault.
Owner.....Pathe Film Exchange,
Music Bldg., S. F.
Architect...None.
Contractor, H. E. Drake, 180 Jessie,
San Francisco.
COST, \$800

FRAME FLATS
(30049) S LAKE 53-6 E 18th Ave. Two-
story and basement frame (2) flats.
Owner.....Mrs. Edith Clayes, 1597 Do-
lores, San Francisco.
Architect...None.
Contractor, A. A. Wesendunk, 1747
Dolores, San Francisco.
COST, \$4300

FRAME RESIDENCE
(30050) S TERRACE DRIVE 180 E
Portola Drive. Two-story and base-
ment frame residence.
Owner.....St. Francis Home Bldg., Co.
278 Post, San Francisco.
Architect...Henry H. Guttererson, 278
Post, San Francisco.
Day's work. COST, \$1500

ADDITION
(30051) NO. 924 VALEJO. Add to
dwelling.
Owner.....L. D. Costa, Premises.
Architect...None.
Contractor, Paul De Martini, 2869 Oc-
tavia, San Francisco.
COST, \$750

BRICK WAREHOUSE
(30052) E EIGHTH 220 S Howard. Two-
story brick warehouse.
Owner.....Chas. Wolf Jr., 716 Clem-
entina, San Francisco.
Architect...None.
Contractor, John F. Haner, 3580 20th,
San Francisco.
COST, \$4000

ALTERATIONS
(30053) NO. 1947 McALLISTER. Rat-
proof, etc. flats.
Owner.....Mrs. L. M. Leicht, 2126
Pierce, San Francisco.
Architect...None.
Contractor, R. De Luca, 2256 Jones,
San Francisco.
COST, \$400

FRAME RESIDENCE

(3054) N BALBOA 107 E 22nd Ave.

One-story and basement frame residence.

Owner.....Robt. and Ella Prognier,
244 Ivy Ave., S. F.

Architect...H. D. Mitchell, 629 Montgomery, San Francisco.

Day's work. COST, \$2000

REPAIRS

(3055) NO. 692 CHENERY. Repair

fire damage to dwelling and store.

Owner.....E. Burket, 141 Hearst, San Francisco.

Architect...None.

Contractor...Mager Bros., 110 Jessie, San Francisco.

COST, \$2000

BRICK BUILDING

(3056) S PACIFIC 137-6 W Sansome W 68-9xS 137-6. All work for two-story brick storage building.

Owner.....Henry Cailleaud, Mills Bldg., San Francisco.

Architect...Wm. Beasley, 119 Russ Bldg., San Francisco.

Contractor...G. Trevia and G. E. Pasqualetti, 32 Harwood Place San Francisco.

Filed Oct. 16, '16. Dated Oct. 11, '16.

2nd story joists completed.....\$3443.33

Roof completed 3443.33

Completed 1443.33

Usual 35 days..... 3443.33

TOTAL COST, \$13,775.00

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COTTAGE

(3057) W FOLSOM 100 N Ripley W 80

xN 37-6. All work for three-room cottage on present foundation of previous building partially destroyed by fire.

Owner.....Jno. and Bridget F. Leary, 2 Manchester, S. F.

Architect...E. A. Hermann.

Contractor...John Westerlund, 3159 Folsom, San Francisco.

Filed Oct. 16, '16. Dated Oct. 14, '16.

Rafters on\$375

Brown coated 375

Completed 375

Usual 35 days..... 375

TOTAL COST, \$1500

Bond, none. Limit, 40 days. Forfeit, \$1. Plans and specifications filed.

COTTAGE AND FLATS

(3058) — 48 N from Herman W 81-3

N 24, being No. 63 Webster. All work for two-story cottage and a three-story frame building (flats).

Owner.....Mary V. and Park B. Buckminster, 63 Webster, San Francisco.

Architect...None.

Contractor...Wm. McIntosh, 975 Clayton San Francisco.

Filed Oct. 16, '16. Dated Oct. 14, '16.

Roof on cottage.....\$ 750

Cottage ready for occupancy... 750

Frame on flats..... 1000

Brown coated 1000

Completed and accepted..... 1935

Usual 35 days..... 1815

TOTAL COST, \$7250

Bond, none. Limit, 100 days after Oct. 16. Forfeit, none. Plans and specifications filed.

CONCRETE APARTMENTS

(3059) N POST 163 E Leavenworth

Four-story and basement concrete (26) apartments.

Owner.....J. G. Kincanon, 3040

Steiner, San Francisco.

Architect...C. O. Clausen, Hearst Bldg San Francisco.

Day's work. COST, \$35,000

FOUNDATION

(3060) — NO. 1631 LAGUNA. Brick

foundation, carpenter and painting work.

Owner.....Louise Gordon, Premises.

Architect...None.

Contractor...J. Collins, 1415 Clement, San Francisco.

COST, \$500

ALTERATIONS

(3061) NO. 157 MIRAMAR. Raise and

repair dwelling.

Owner.....Mrs. F. E. Lamb, Premises.

Architect...None.

Contractor...C. E. Soules, 159 Brighton, San Francisco.

COST, \$400

FRAME DWELLING

(3062) NE LIEBIG 175 NW Lessing.

One-story and basement frame dwlg.

Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.

Architect...None.

Day's work. COST, \$1000

FRAME RESIDENCE

(3063) E TWENTY-SECOND AVE 180

S Ulloa. One and one-half-story and basement frame residence.

Owner.....Gussie A. Meyer, 53 Walter, San Francisco.

Architect...None.

Contractor...Henry Meyer, 53 Walter, San Francisco.

COST, \$2000

CLASS "C" SALES ROOM

(3064) N CALIFORNIA 100 E Van Ness

Ave. Two-story Class "C" auto sales room.

Owner.....Lawrence N. Myers, Foxcroft Bldg., S. F.

Architect...None.

Contractor...MacDonald & Kahn, Rialto Bldg., San Francisco.

COST, \$16,500

NOTE—Job is started.

FRAME RESIDENCE

(3065) S TERRACE DRIVE 205 E

Portola Drive. Two-story and basement frame residence.

Owner.....St. Francis Home Bldg. Co.

278 Post, San Francisco.

Architect...H. H. Guttererson, 278 Post, San Francisco.

Day's work. COST, \$1400

FRAME RESIDENCE

(3066) S TERRACE DRIVE 250 E

Portola Drive. Two-story and basement frame residence.

Owner.....St. Francis Home Bldg. Co.

278 Post, San Francisco.

Architect...H. H. Guttererson, 278 Post, San Francisco.

Day's work. COST, \$3500

FRAME FLATS

(3067) E ARGUELLO BOULEVARD

275 S California. Two-story and basement frame (2) flats.

Owner.....York Realty Co., 75 Sutter San Francisco.

Architect...E. P. Antonovich and H. E. Harris, 941 Monadnock Bldg., San Francisco.

Day's work. COST, \$7500

FRAME FLATS

(3068) E ARGUELLO BOULEVARD

300 S California. Two-story and basement frame (2) flats.

Owner.....York Realty Co., 75 Sutter San Francisco.

Architect...E. P. Antonovich and H. E. Harris, 941 Monadnock Bldg., San Francisco.

Day's work. COST, \$7500

ROOMING HOUSE

(3069) E POWELL 30 S Jackson S 60x

E 48. All work except plumbing, sewerage, gas fitting and hot water heater for three-story and basement brick rooming house.

Owner.....Frank Peddie, Jackson & Powell, San Francisco.

Architect...Albert W. Burgren, 30 Woodland Ave., S. F.

Contractor...Schroder Bros., 865 Folsom, San Francisco.

Filed Oct. 17, '16. Dated Oct. 10, '16.

2nd story joists in place.....\$1400

Roof on 1400

Ready for lathing..... 1400

Brown coated 1400

Completed and accepted..... 1505

Usual 35 days..... 2835

TOTAL COST, \$11,340

Bond, \$5670. Sureties, F. Davison and

Louis Schmidt. Limit, 100 days. For-

feit, \$5. Plans and specifications filed.

(3070) PLUMBING, SEWERING AND

gas fitting and hot water heater on above.

Contractor...Gus May, 3670 18th, S. F.

Filed Oct. 17, '16. Dated Oct. 10, '16.

Roughed in\$625

Completed and accepted..... 600

Usual 35 days..... 410

TOTAL COST, \$1635

Bond, \$820. Sureties, Seth Walker and O. C. Holt. Limit, 100 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(3071) S LAKE 53-6 E 18th Ave E 27

xS 84. All work except plumbing, painting, electric wiring, lighting fixtures, hardwood floors, lath and plaster, fire places, etc., for two-

story and basement frame flats.

Owner.....Mrs. Edith Claves, 1597 Dolores, San Francisco.

Architect...None.

Contractor...A. A. Wesendunk, 1747 Dolores, San Francisco.

Filed Oct. 17, '16. Dated Oct. 16, '16.

Frame up and roof on.....\$1080

Ready for plaster..... 1080

Completed 1080

Usual 35 days..... 1080

TOTAL COST, \$4320

Bond, \$2160. Surety, Jerry Casey. Limit, 90 days. Forfeit, none. Plans and specifications filed.

NOTE—1st report Oct. 17, No. 3049.

FRAME APARTMENTS

(3072) INT. NW CALIFORNIA AND E

Eighth Ave N 90-14 E 32-6 SV 32-8 O L 78. All work for three-story frame apartments.

Owner...Jos. V. De Ryana, 4330 California, San Francisco.

Architect...O. R. Thayer, 20 Montgomery, San Francisco.

Contractor...J. Goldstein and H. H. Weider.

Filed Oct. 17, '16. Dated Oct. 17, '16.

2nd floor joists in place.....\$1000

Ready for roofing..... 2750

Standing finish on..... 1813

Completed and accepted..... 4937

Usual 35 days..... \$500
TOTAL COST, \$14,000
 (3073) SE MISSION AND 17TH — 110
 xE 162-6. Excavating, grading,
 plain and reinforced concrete, steel,
 fire escapes, brick, carpenter, stairs,
 glass and glazing, sheet metal, rough
 hardware and setting finish hardware
 marble, elevator cars, lathing, plaster-
 ing, cementing, plumbing, heat-
 ing, electric work, and elevators for
 three-story and basement Class "C"
 building.
 Owner.....I. I. and B. C. Brown, 807
 Nevada Bank Bldg., S. F.
 Architect...Smith O'Brien, Humboldt
 Bank Bldg., S. F.
 Contractor..Macdonald & Kahn, Rialto
 Bldg., San Francisco.
 Filed Oct. 17, '16. Dated Oct. 17, '16.
 On 1st of each month..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$74,312
 Bond, \$37,156. Surety, Massachusetts
 Bonding & Insurance Co. Limit, April
 1, 1917. Forfeit, \$30. Plans and specifi-
 cations filed.

CLASS "C" BUILDING

(3074) NW TWENTY-FOURTH AND
 Castro 80x50. Lathing and plastering
 for three-story frame stores and
 apartments.
 Owner.....R. O'Connor, Ross, Cal.
 Superintendent...J. C. Bateman, Bal-
 boa Bldg., San Francisco.
 Contractor..Lyden & Bickel, 269 Fell,
 San Francisco.
 Filed Oct. 17, '16. Dated Oct. 11, '16.
 Brown coated\$570
 Completed and accepted..... 570
 Usual 35 days..... 380
TOTAL COST, \$1,520
 Bond, none. Limit, as required. For-
 feit, \$20. Plans and specifications filed.

(3075) ELECTRIC WIRING, ETC., ON
 above.
 Contractor..National Elec. Co., 103
 Turk, San Francisco.
 Filed Oct. 17, '16. Dated Oct. 17, '16.
 When work has been completed
 so plasterers can start.....\$400
 Completed and accepted..... 368
 36 days after..... 269
TOTAL COST, \$1,037
 Bond, none. Limit, as required. For-
 feit, \$20. Plans and specifications filed.

(3076) N UNION 75 W Taylor W 25xN
 137-6. All work for three-story and
 basement frame apartments.
 Owner.....Elena Dunn, 622 Filbert,
 San Francisco.
 Architect...Chas. Fantoni, 916 Kear-
 ny, San Francisco.
 Contractor..J. Del Favero and A. Por-
 dan, 1839 Mason, S. F.
 Filed Oct. 18, '16. Dated Oct. 10, '16.
 Enclosed and roofed.....\$2875
 Brown coated 2875
 Completed and accepted..... 2875
 Usual 35 days..... 2875
TOTAL COST, \$11,500
 Bond, \$5750. Sureties, Angelo Petri and
 N. Capurro. Limit, 90 days. Forfeit,
 \$5. Plans and specifications filed.

(3077) NO. 1363 FIFTH AVE. Add to
 dwelling.

Owner.....F. A. Contrail, Premises.
 Architect...None.
 Contractor..S. Schell, 1367 5th Ave.,
 San Francisco.
COST, \$400

ALTERATIONS

(3078) NO. 224 TWENTY-SEVENTH.
 Raise dwelling and concrete base-
 ment and add one-story.
 Owner.....J. Colter, Premises.
 Architect...None.
 Day's work.....
COST, \$1000

ALTERATIONS

(3079) SW HYDE AND PACIFIC.
 New front and floor for store.
 Owner.....Geo. H. Dannemark, 640
 Steiner, San Francisco.
 Architect...None.
 Contractor..John Grant, 3031 16th, S. F.
COST, \$500

FRAME SHOP

(3080) S MOULTON 131-6 W Fillmore.
 One-story frame machine shop.
 Owner.....C. Harth, 2214 Greenwich,
 San Francisco.
 Architect...None.
 Contractor..Callaghan Bros., 900 Clay-
 ton, San Francisco.
COST, \$1000

REPAIRS

(3081) NO. 929 SCOTT. Repair, alter
 and add to dwelling.
 Owner.....Mrs. D. Levy, 933 Scott,
 San Francisco.
 Architect...O'Brien Bros., Inc., 240
 Montgomery, S. F.
 Contractor..A. M. Wallen, 251 Kearny,
 San Francisco.
COST, \$450

MARQUISE

(3082) NW ELLIS AND LARKIN.
 Galvanized iron marquise.
 Owner.....Moffatt Estate Co., 1766
 Pine, San Francisco.
 Architect...None.
 Contractor..Forderer Cornice Works,
 269 Potrero Ave., S. F.
COST, \$500

ADDITION

(3083) NO. 3866 CLAY. Add boiler
 room to dwelling.
 Owner.....Rose Taussig, Premises.
 Architect...G. A. Lansburgh, 709 Mis-
 sion, San Francisco.
 Contractor..Barrett & Hilp, 424 Shar-
 on Bldg., San Francisco.
COST, \$400

FRAME RESIDENCE

(3084) W THIRTEENTH AVE 304-3 S
 Irving. Two-story and basement
 frame residence.
 Owner.....Leo. J. Ruegg, 719 Pacific
 Bldg., San Francisco.
 Architect...None.
 Contractor..Ruegg Bros., 719 Pacific
 Bldg., San Francisco.
COST, \$3000

FRAME RESIDENCE

(3085) S BALBOA 85 E 18th Ave. Two
 story and basement frame residence.
 Owner.....Leo. J. Ruegg, 719 Pacific
 Bldg., San Francisco.
 Architect...None.
 Contractor..Ruegg Bros., 719 Pacific
 Bldg., San Francisco.
COST, \$3500

REPAIRS

(3086) NO. 863-B GOLDEN GATE AVE
 Repair fire damage.
 Owner.....A. J. Schohay, \$59 Golden
 Gate Ave., San Francisco.
 Architect...None.
 Contractor..W. & C. Fahien, 855 Golden
 Gate Ave., San Francisco.
COST, \$500

FRAME DWELLING

(3087) S POPE 150 W Cross. One-
 story and basement frame dwelling.
 Owner.....Mrs. Ida Cadigan, 156
 Curtis, San Francisco.
 Architect...None.
 Contractor..J. Cadigan, 156 Curtis,
 San Francisco.
COST, \$1500

ALTERATIONS

(3088) NO. 2318 MISSION. Alter show
 windows.
 Owner.....J. F. O'Connor, 66 Waller,
 San Francisco.
 Architect...None.
 Contractor..Wm. C. Hamerton & Son,
 1301 Waller, S. F.
COST, \$600

FRAME RESIDENCE

(3089) E DOUGLASS 274 S 17th. Two-
 story and basement frame residence.
 Owner.....Emil Nelson, 430 26th Ave.,
 San Francisco.
 Architect...None.
 Day's work.....
COST, \$2400

BUILDING

(3090) W SCOTT 217 N Post W 87-6
 S 29-6 W 50 S 25-6 E 137-6 N 55. All
 work for one-story building used as
 a clinic.
 Owner.....Mt. Zion Hospital, Prem.
 Architect...G. Albert Lansburgh,
 Gunst Bldg., San Francisco.
 Contractor..Barrett & Hilp, 424 Sharon
 Bldg., San Francisco.
 Filed Oct. 19, '16. Dated Oct. 12, '16.
 Footings, walls and piers done \$ 750
 Reinforced concrete frame done 2250
 Brick work completed..... 1500
 Plumbing, heating, etc., roughed
 in and lath completed and roof
 on 1750
 Cement & plaster finishes done 1750
 Wires drawn & mill work done 1750
 Plumbing fixtures set and paint-
 ing done 1750
 Completed and accepted..... 1650
 Usual 35 days..... 4500
TOTAL COST, \$17,650
 Bond, \$9000. Surety, Guardian Casu-
 alty and Guaranty Co. Limit, 130 days.
 Forfeit, none. Plans and specifications
 filed.

CONCRETE STORES

(3091) N HOWARD 250 E Fourth E
 25xN 50. All work for one-story and
 basement concrete stores.
 Owner.....Dr. Frank Kinslow, 1142
 Railroad Ave., S. F.
 Architect...O'Brien Bros., 240 Mont-
 gomery, San Francisco.
 Contractor..Brandt & Stevens, Hearst
 Bldg., San Francisco.
 Filed Oct. 19, '16. Dated Oct. 18, '16.
 As work progresses..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$5662
 Bond, none. Limit, 60 days from grant-
 ing permit. Forfeit, \$5. Plans and
 specifications filed.

FRAME RESIDENCE

(3092) LOT 23 LINCOLN MANOR.
Two-story and basement frame residence.
Owner.....S. A. Born Bldg. Co., Lincoln Manor, San Francisco.
Architect...None.
Contractor...S. A. Born Bldg., Co., 660 Market, San Francisco.
COST, \$4000

FRAME RESIDENCE

(3093) LOT 22 LINCOLN MANOR.
Two-story and basement frame residence.
Owner.....S. A. Born Bldg. Co., Lincoln Manor, San Francisco.
Architect...None.
Contractor...S. A. Born Bldg., Co., 660 Market, San Francisco.
COST, \$4000

FRAME RESIDENCE

(3094) LOT NO. 2, LINCOLN MANOR.
Two-story and basement frame residence.
Owner.....S. A. Born Bldg. Co., Lincoln Manor, San Francisco.
Architect...None.
Contractor...S. A. Born Bldg., Co., 660 Market, San Francisco.
COST, \$4000

ALTERATIONS

(3095) SE BROADWAY & FILLMORE
New entrance for garage, etc.
Owner.....C. C. McKenzie, Premises.
Architect...None.
Contractor...J. Prout, 2020 Turk, S. F.
COST, \$400

ELECTRIC SIGN

(3096) E POWELL 100 N Ellis. Electric sign.
Owner.....Golden West Bar, 104 Powell, San Francisco.
Architect...None.
Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$400

FRAME FLATS

(3097) W RAMONA 150 S 14th. Three story and basement frame (6) flats.
Owner.....John J. Binet Co., 68 Ramona, San Francisco.
Architect...None.
Day's work.....COST, \$10,000

FRAME FLATS

(3098) NE STOCKTON & PFEIFFER N 23-9x E 77-6. All work except lighting fixtures and window shades for two-story and basement frame flats.
Owner.....G. B. Canepa, 361 Francisco, San Francisco.
Architect...None.
Contractor...Liebert & Martinelli, 195 Lexington Ave., S. F.
Filed Oct. 20, '16. Dated Oct. 19, '16.
Frame up and roof boards on \$1187.50
Brown coated.....1187.50
Completed and accepted.....1187.50
Usual 35 days.....1187.50
TOTAL COST, \$4750.00

Bond, \$2375. Sureties, Jno. Banachowski and Pilade Carmignani. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

OIL BURNING EQUIPMENT

(3099) NO. 575 MISSION. All work for oil burning equipment, etc., to operate steam boiler in building occupied by Pacific States Electric Co.
Owner.....Geo. W. Brooks.
Architect...None.

Contractor...S. T. Johnson Co., 1337 Mission, San Francisco.
Filed Oct. 20, '16. Dated Oct. 10, '16.
Completed and accepted.....75%
Usual 35 days.....25%
TOTAL COST, \$710
Bond, none. Limit, 14 days after granting permit. Forfeit, \$5. Specifications only filed.

LEASES.

SAN FRANCISCO COUNTY.

Oct. 17, 1916—LOT 8 BLK 1, Crocker Amazon Tract. Primo Degli Esposti or D E Primo to D Marcone and Josephine Frugoli. 10 years. \$7500
Oct. 17, 1916—N TWENTY-FOURTH, bet. Shotwell and Folsom; No. 2130 24th. James Aitken to John Jones. 3 years. \$15 per month, etc.
Oct. 17, 1916—W EMBARCADERO (East) 229-2 S Market; 54 Embarcadero. Pockwitz & Reban Realty Co to Julien Romeguiere. 2 1/2 months. \$4000.
Oct. 14, 1916—N JACKSON 34-4 1/2 W Lyon W 34-4 1/2 x N 127-8 1/4. D Dangers to Martin A Meyer. 10 years. \$120 per month.
Oct. 20, 1916—E JONES 103-1 1/2 N Golden Gate Ave N 34-4 1/2 x E 68-9. H Edsell to Elizabeth Schmidt. 36 months. \$3240.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED
Oct. 11, 1916—S TWENTY-SEVENTH Ave (Carroll) 125 W Jennings 25x 100. Sutton Hamilton to whom it may concern.....Oct. 11, 1916
Oct. 11, 1916—NE EXCELSIOR AVE 75 NW Lishon NW 25xNE 75 Blk 17, Excel Hd Ass'n. Martin Person to whom it may concern.....Oct. 20, 1916
Oct. 11, 1916—NE CHESTNUT AND Montgomery, Sewall Lot No. 7. The Western Pacific Railroad Co to E H Sundberg.....Oct. 9, 1916
Oct. 11, 1916—W MISSION 184-2 1/2 N 24th N 25x125. Frank and Louis Comes to P F Reilly.....Oct. 9, 1916
Oct. 11, 1916—N WASHINGTON 77-6 E Spruce N 127-8 1/4 x E 65. Mary A Hammon to M V Brady.....Oct. 4, 1916
Oct. 11, 1916—S TWENTY-SEVENTH Ave (Carroll) 150 W Jennings 25x 100. Sutton Hamilton to whom it may concern.....Oct. 11, 1916
Oct. 13, 1916—S TWENTY-THIRD 225 W Douglass W 25xS 114; Lot 139 Heyman Tract. Mrs Meta Meinen to F F Ralston.....Oct. 5, 1916
Oct. 13, 1916—W TWENTY-THIRD AVE 250 S Anza S 50xW 120. Frank T Leahy to whom it may concern.....Oct. 13, 1916
Oct. 13, 1916—S PAGE 175 W Webster W 25xS 137-6. Bessie Selix to Higginson Co.....Oct. 10, 1916
Oct. 13, 1916—W THIRTY-FOURTH Ave 150 S Balboa S 50xW 120. Leigh & Schultz to whom it may concern.....Oct. 6, 1916
Oct. 13, 1916—W HOWARD 160 N 19th N 24xW 122-6. Mrs E E Campbell to Mac Gruer & Co and F H Cress.....Oct. 12, 1916
Oct. 14, 1916—E ELLINGTON 150 S Foote Ave S 26-8x E 120. Ghiselli Onorato to L Dioguardi.....Oct. 5, 1916
Oct. 14, 1916—W TWENTY-THIRD Ave 100 S Geary S 25xW 120. Frank and Augustine David to J L Purcell

.....Oct. 12, 1916
Oct. 16, 1916—E SEVENTEENTH AV 250 N Balboa N 25x E 120. Michael Costello and Bryan Feerick to whom it may concern.....Oct. 16, 1916
Oct. 16, 1916—NW TWENTY-SECOND and Howard N 50xW 90. Wm Barner to Ludwig B Koening.....Oct. 10, 1916
Oct. 16, 1916—W THIRTY-SEVENTH Ave 200 S Irving S 25xW 120; W 37th Ave 250 S Irving S 25xW 120; W 37th Ave 300 S Irving S 25xW 120. S F Home Bldg Co to Emil Nelson.....Oct. 14, 1916
Oct. 16, 1916—W THIRTY-SEVENTH Ave 150 S Irving S 25xW 120. W F Altwater to Emil Nelson.....Oct. 14, '16
Oct. 16, 1916—N McALLISTER 57-6 E Gough E 52-6 N 120 W 110 S 20 E 57-6 S 100. Ada Mary Webster and Pauline A Younger to H C Matthies.....Oct. 13, 1916
Oct. 16, 1916—N LOMBARD 181-8 W Stockton 22-4x137-6. A Carrara and L Montani to C Rosena & Co, Inc.....Oct. 14, 1916
Oct. 16, 1916—SE MARKET AND W Church SW 103 SE 100 E 14-9 1/2 N 114-2 1/2; Lots 1 and 28 Ptn 2 Blk 97 Market Street and 14th Street Hd Ass'n. Freeborn Estate Co to George Nimmo.....Oct. 13, 1916
Oct. 16, 1916—SE SAN JOSE AVE 166.11 SW Santa Ynez Ave SW 24.202 being Sub Lots 1 and 2 Blk 33 West End Map No. 1. Henry Steinhach to Louis Johnson.....Oct. 11, 1916
Oct. 17, 1916—N TWENTY-FOURTH and SE San Jose Ave E 60 N 50 SW 50-9 1/2 SW 72-6 1/2. A W Congdon to Joel Johnson.....Oct. 13, 1916
Oct. 17, 1916—N CLAY — W Cherry; No. 3912 Clay. S J Newman to James F McCarthy.....Oct. 12, 1916
Oct. 17, 1916—PIER 34 near junction of S end of Fremont and E end of Brannan. The Western Pacific Railroad Co to H F and C W Wagner (as Wagner Bros.).....Oct. 12, 1916
Oct. 17, 1916—NW GROVE AND Central Ave W 99-6 NE 25-4 1/2 m or 1 E parallel with N Grove 35-7 1/2 m or 1 S 25. J V Campbell to whom it may concern.....Oct. 16, 1916
Oct. 16, 1916—SW ELLIS AND HYDE W 57-6xS 82-6. D and S Investment Co to Gullfooy Cornice Works.....Oct. 13, 1916
Oct. 18, 1916—S TWENTY-SIXTH Ave and Anza 32-6x90. Thomas Scoble to whom it may concern.....Oct. 18, 1916
Oct. 18, 1916—E PALM AVE 33-4 N Euclid Ave N 33-4x95. Thomas Scoble to whom it may concern.....Oct. 18, 1916
Oct. 18, 1916—V PALM AVE 33-4 N Euclid Ave N 33-4x95. Thoa Scoble to whom it may concern.....Oct. 18, 1916
Oct. 18, 1916—NE EDINBURGH 125 NE Excelsior Ave; No. 268 and 272 Edinburgh. Ward C Brown to whom it may concern.....Oct. 17, 1916
Oct. 18, 1916—NW CLARA 254-6 SW Fifth SW 25xNW 80. Wm A and Gertrude M Brosnan to whom it may concern.....Oct. 16, 1916
Oct. 18, 1916—E CHURCH 124-2 N 23rd N 25-3x E 117-6. Nicholas W Schneider to whom it may concern.....Sept. 29, 1916
Oct. 18, 1916—N BUSH 137-6 W Montgomery W 68-9xN 137-6. Shiel Estate Co to H H Larsen & Bro.....Oct. 13, 1916

Oct. 19, 1916—SW VIRGINIA AVE 123-6 SE Mission SE 20xSW 60; Lot 38 Godeus Gift Map Sub Lots 374, 375, 376 and 377 P V. Lucie Elizabeth Kleinsorg (wf Peter) to Peter Kleinsorg.....Oct. 16, 1916
 Oct. 19, 1916—N SACRAMENTO 146-8 W Taylor W 27-8xN 120. Joseph Baccelloco to H Conrad.....Oct. 13, 1916
 Oct. 19, 1916—S GEARY 68-9 W Octavia W 68-9xS 120. Jacob Steur to whom it may concern.....Oct. 19, 1916
 Oct. 19, 1916—E ASHBURY 100 N Grove N 25 E 100 N 12-6 E 15-8 S 37-6 W 115-8. Emille A Dulip to Jacob Witzelsburger.....Oct. 17, 1916
 Oct. 19, 1916—SE SAN JOSE AVE 135.01 SW Santa Ynez Ave SW 31.10 ptn Sub Lots 1 and 2 Blk 33 West End Map No. 1. Henry Steinbach to Louis Johnson.....Oct. 16, 1916
 Oct. 19, 1916—E TENTH AVE 100 S Geary. Florence Bartlett to John J Bluet Co.....Oct. 18, 1916
 Oct. 19, 1916—S BALBOA 94 W 24th Ave W 25xS 192 m or l. James B Kidd to Iro W Coburn.....Oct. 17, 1916
 Oct. 20, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. Henry Cailleaud Jr to Henry Conrad.....Oct. 20, 1916
 Oct. 20, 1916—LOT 37 BLK 17 B Alford Shdvn West End Map 1. Anna Wanner to Axel R Larson.....Oct. 19, 1916
 Oct. 20, 1916—NOS. 340-364 EDDY. Builders Realty Co to Petersen-James Co.....Oct. 16, 1916
 Oct. 20, 1916—W TWENTY-THIRD Ave 300 S Lincoln Way S 25xW 120. Eric Dahlberg to whom it may concern.....Oct. 20, 1916
 Oct. 20, 1916—SW THIRD AVE AND "H" W 95xS 45. J A Rutherford to Ruegg Bros.....Oct. 19, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED **AMOUNT**
 Oct. 14, 1916—W THIRD AVE 100 S Clement S 75xW 120. Habenicht & Howlett vs Sarah J and John W Johnston, Mary J Steele, D C Edwards and G B Hillard.....\$77.25
 Oct. 14, 1916—NW EDDY & PIERCE W 30xN 75. C Sieverls vs Virginia Luvisi.....\$550
 Oct. 17, 1916—LOT 16 BLK 297 Merritt Terrace. M Stulsaft Co vs D J and Jennie Hyland, C F Fallmer and W McWhirter.....\$74.97
 Oct. 17, 1916—N SAN JOSE AVE 50 E Havelock 25x100; E Havelock 61 N San Jose Ave 25x100; E Havelock 86 N San Jose Ave 25x100; E Havelock 111 N San Jose Ave 25x100. Raffaele and Carlo Spinazzi and Vincenzo Imbresci vs A G Ghiotto and B Ghiotto (as Ghiotto Bros).....\$553.59
 Oct. 18, 1916—S CALIFORNIA 151-3 W Baker W 25xS 137-6. Charles Shirey vs J J Lakin.....\$65
 Oct. 18, 1916—N ANZA 57-6 W 37th Ave W 50xN 100. E J Gallagher vs Matthew Tierney.....\$75
 Oct. 19, 1916—LOT 12 BLK 27 Forest Hill Extension. W L Nagel vs Ehrhart Constr Co.....\$389.40
 Oct. 19, 1916—LOT 14 BLK 27, Forest Hill Extension. W L Nagel vs Ehrhart Constr Co.....\$389.40
 Oct. 19, 1916—NW EDDY & PIERCE N 75xW 30. W P Fuller & Co vs

John H Merz, Henry Conrad and Virginia Luvisi.....\$183
 Oct. 19, 1916—E CHURCH 227 N 24th E 100 N 1 E 25 N 32 W 125 S 33. Pacific Mfg Co vs Vicenza Sturiza and Chas Paff (as Chas Paff & Co).....\$116.50
 Oct. 19, 1916—N ANZA 107-6 W 9th Ave W 25xN 100. J H Kruse vs Charles A Linebaugh.....\$721.47
 Oct. 20, 1916—N ALLSTON WAY 95 E Claremont Blvd W 20xN 100; Lot 16 Blk 2977. Merritt Terrace. Mission Concrete & Mosaic Co vs Frank Hyland.....\$84.50
 Oct. 20, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Robt Murray vs Vicenza Sturiza and Chas Paff.....\$47.50
 Oct. 20, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. A H Pearson vs Mrs Vicenza Sturiza and Charles Paff.....\$115
 Oct. 20, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. James H Hardy, Inc vs Mrs Vicenza Sturiza and Charles Paff.....\$103.45
 Oct. 20, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. C B Sovig vs Vincenza Sturiza and Charles Paff.....\$225

OAKLAND AND ALAMEDA COUNTY

SCHOOLS—Portable, 1 story, frame, \$640 each. Oakland, Cal. Architect, none. Owners, City of Oakland. John R. Faulkes presented the lowest figure for four portable schools and will probably be awarded the contract. A complete list of these figures together with the bids for a toilet building at the Lakeview School will be found under the heading of Oakland in this issue.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co, Cal Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on October 27th for street improvements authorized under the following resolution: That the roadway of San Pablo avenue from the southern boundary line of the city of Berkeley to the northern boundary line of the city of Berkeley be graded, construct concrete curbs and gutters, a vitrified pipe storm sewer be constructed in San Pablo avenue from Hearst avenue to Delaware street; one manhole, reinforced concrete catch basins, vitrified pipe connections with the storm sewer, and the remainder of the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete foundation 6 inches thick.

SEWER CONSTRUCTION—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on October 26th for sewer construction authorized under the following resolution: That a sewer, having an internal diameter of 8 inches, be constructed in Fleming avenue in the vicinity of Courtland avenue. Also three brick manholes, a lamphole and Y branches, having 5-inch openings, be constructed on said sewer so as to provide one such branch for each 40-foot lot. The aforesaid sewer, Y branches and lamphole (excepting the top thereof) shall be constructed of vitrified sewer pipe.

RESIDENCE—1 story and base, \$1,800. Oakland, Cal. Architect, none.

Owner, F. P. Montague, 1052 Central avenue, Oakland. Location, west 65th avenue south Fairview. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$3,000. Berkeley, Alameda Co, Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, A. H. Brandt. Location, 918 Mono street. Will contain six rooms, bath and sleeping porch. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$1,700. Oakland, Cal. Architect, none. Owner, C. A. Jackson, 2911 Viola street, Oakland. Location, north East 16th street west 57th avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, J. B. Clifford, 3547 35th avenue, Oakland. Location, west 35th avenue north Hopkins. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 1 story and base, frame, \$1,800 each. Oakland, Cal. Architect, none. Owner, Justus Norris, 2828 Richmond avenue, Oakland. Location, west Richmond avenue south 20th street. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, Emma Coburn, 2370 East 28th street, Oakland. Location, west Maple south Delaware. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, J. B. Peppine, San Leandro. Location, Sequoyah Hills Tract. Will contain six rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, brick veneer, \$50,000. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner's name withheld. Location, west oak north 14th. Will contain ninety rooms arranged in suites of two, three and four rooms. Plans being prepared.

RESIDENCE—2 story and base, frame, \$4,500. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, John D. Garretton. Location east Thomas north Broadway. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, H. C. Pfrrang, 320 Forest street, Oakland. Location, south 60th west Colby. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect, none. Owner, George Ferguson, Elmhurst. Location, west 96th avenue north Cherry. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,500. Albany, Alameda Co., Cal. Architect, none. Owner, H. C. Pfarr, 320 Forest street, Oakland. Location, northwest Ventura and Marin. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,500. Albany, Alameda Co., Cal. Architect, none. Owner, E. N. Berthand, 1037 Peralta avenue, Oakland. Location, northeast Marin and Neilsen. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOL — 2 story and base, brick and concrete. Cost not stated. Alameda, Alameda Co., Cal. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. After tentatively awarding the contract for the Lincoln School to Carnahan & Mulford, the Alameda Board of Education has revoked the contract and ordered changes in the specifications. Revised plans are now out for figures. New bids will be opened on November 1th.

STORES — 1 story, frame, \$10,000. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, I. P. Diggs. Location, College and Shafter avenues. Will contain six stores. Plans complete and architect taking sub-figures.

Contracts Awarded.

STREET PAVING — \$26,325.60. San Leandro, Alameda Co., Cal. Engineer, Town Engineer, San Leandro. Owners, Town of San Leandro. Contractors, Johnson-Shea Co., Central Bank Bldg., Oakland. Contract price, \$26,325.60.

STREET IMPROVEMENTS — Cost price not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. M. P. Camba, 1044 91st avenue, Oakland, has been awarded the contract by the City Council for the following work: That a sewer having an internal diameter of 8 inches, be constructed along Whittle avenue, from Fruitvale avenue, Lot 6 of the Ellen Stotts Tract No. 1; that three brick manholes; a lamphole with top of brick and cast iron; V branches, having 5-inch openings; the aforesaid proposed sewer, V branches and lamphole (except the top thereof) shall be constructed of vitrified sewer pipe.

RECEIVE FIGURES FOR OAKLAND SCHOOL WORK.

Board of Education Opens Bids For Two Small Jobs and Also Awards Contract for School Addition.

The following bids were opened by the Oakland Board of Education at their meeting held Monday, October 16th, for constructing four portable schools and for additional toilets at the Lakeview School:

Portable Schools.	
Bidder	Four One or More
John R. Faulkes.....	\$2,550 \$640 each
F. J. Kennedy.....	3,100 775 each
George C. Nall.....	2,800 725 each
Robinson.....	840 each
Toilets, Lakeview School.	
W. J. Thornally.....	\$4,865
Nileca Place.....	4,775

At the same meeting of the Board of Education a contract for the construction of the addition at the University School was awarded to W. G. Thornally, 3027 E-16th street, Oakland, on his bid of \$13,849, opened October 5th.

Building Contracts Awarded. Oakland.

No.	Owner	Contractor	Amt.
2439	Gore.....	Gore	500
2440	Makins.....	Woodard	2250
2441	Milwain.....	Corbett	1000
2442	Moore.....	Sherwood	1500
2443	Clawson.....	Rogers	2750
2444	Quinn.....	Malley	1000
2445	Jordan.....	Fabing	3225
2446	Norris.....	Norris	1600
2447	Same.....	Same	1800
2448	Laud.....	Davis	425
2449	Norris.....	Norris	1800
2450	Peppin.....	Peppin	3000
2451	Baker.....	Francis	450
2452	Coburn.....	Coburn	2000
2453	Joseph.....	Gifford	7500
2461	St. Paul Ep Chh.	Hever	4162
2462	Carleton.....	Carleton	500
2463	Montague.....	Montague	1800
2464	Pandez.....	Russo	500
2465	Kelly.....	Cook	1600
2466	Silva.....	Dameral	400
2467	Lovett.....	Lovett	400
2475	Johnson.....	Johnson	400
2476	Taylor.....	Clark	1350
2477	Taylor.....	Clark	1350
2478	Jackson.....	Jackson	1700
2479	United Bldrs.....	Haynes	2500
2480	Jones.....	Cederborg	500
2481	Old Bk Svcs.....	Anderson	500
2482	Clifford.....	Clifford	1500
2483	Acker.....	Russell	4900
2484	Vance.....	Buttun	500
2486	Ganter.....	Price	100
2487	Archibald.....	Whalin	11000
2488	Rogers.....	Sherwood	450
2489	Wilchoff.....	Pearce	1600
2490	Wilchoff.....	Pearce	1600
2491	Garretson.....	Garretson	4500
2492	Berthand.....	Owner	2500
2493	P F Co.....	Pfarr	2500
2495	S P Co.....	Ransome	400
2496	Crackben.....	Lodge	400
2497	Pegguson.....	Pegguson	1600
2498	Ambrose.....	Barnett	4000
2499	Pfarr.....	Pfarr	2500
2500	Fruit Rlty.....	Edwall	3110
2501	Same.....	Bacuss	4160

WELLING
(2439) S MEADOW 250 E 35th Ave., Oakland. One-story 3-room dwlg. Owner.....K. Gore, 3539 Meadow, Okd Architect.....None. Day's work.....COST, \$500

DWELLING
(2446) W SEVENTEENTH AVE 120 S E-21st, Oakland. Two-story 6-room dwelling. Owner.....Mrs. M. K. Makins, 322 Portland Ave., Oakland. Architect.....None. Contractor.....E. W. Woodard, 4031 Brighton Ave., Oakland. COST, \$2250

ALTERATIONS
(2411) NE FIFTEENTH AND BROADWAY, Oakland, Alterations. Owner.....Milwain Bros., Albany Bk., Oakland. Architect.....None. Contractor.....Corbett & Bayless, 1119 Franklin, Oakland. COST, \$1000

DWELLING
(2412) S SIXTIETH 200 E Telegraph Ave., Oakland. One-story 5-room dwelling. Owner.....Alexander and Minnie Moore, 474 Rose, Oakland. Architect.....None. Contractor.....J. P. Sherwood, 463 60th, Oakland. COST, \$1500

FRAME DWELLING
(2443) PORTSMOUTH ROAD, Lot 5, Lakewood Park, Piedmont. One-story frame dwelling. Owner.....Mrs. Cora Clawson, 1331 Castro, Oakland. Architect.....None. Contractor.....J. F. Rogers, 752 13th, Okd COST, \$2750

DWELLING
(2444) N TWENTY-FIFTH 70 E San Pablo Ave., Oakland. Two-story 8-room dwelling and undertaking parlors. Owner.....J. Quinn. Architect.....None. Contractor.....F. T. Malley, 3001 Grove, Oakland. COST, \$5000

DWELLING
(2445) SW THIRTEENTH AVE AND E-Thirty-fourth, Oakland. One-story 5-room dwelling. Owner.....Mrs. F. Jordan, 1311 E-33d Oakland. Architect.....None. Contractor.....F. N. Fabing, 3515 12th Ave., Oakland. COST, \$2325

DWELLING
(2446) W RICHMOND AVE 232 S 29th, Oakland. One-story 5-room dwelling. Owner.....Justus Norris, 2828 Richmond Ave., Oakland. Architect.....None. Day's work.....COST, \$1600

DWELLING
(2447) W RICHMOND AVE 144 S 29th, Oakland. One-story 5-room dwelling. Owner.....Justus Norris, 2828 Richmond Ave., Oakland. Architect.....None. Day's work.....COST, \$1800

ADDITION
(2448) NO. 270 MATHUR, Oakland. Addition. Owner.....Wm. Laud, 1134 3rd Ave., Oakland. Architect.....None. Contractor.....Wm. Davis & Son, 848 E-28th, Oakland. COST, \$425

DWELLING
(2449) W RICHMOND AVE 188 S 29th, Oakland. One-story 5-room dwelling. Owner.....Justus Norris, 2828 Richmond Ave., Oakland. Architect.....None. Day's work.....COST, \$1800

DWELLING
(2500) LOT 61 SEQUOYAH HILLS, Oakland. One-story 6-room dwelling. Owner.....J. B. Peppin, San Leandro. Architect.....None. Day's work.....COST, \$3000

DWELLING
(2451) W NINETY-EIGHTH AVE 50 N Cherry, Oakland. One-story 2-room dwelling. Owner.....E. Baker, 2324 14th Ave., Oakland. Architect.....None. Contractor.....E. O. Francis, 4151 E-14th, Oakland. COST, \$450

DWELLING
(2512) W MAPLE AVE 100 S Delaware, Oakland. One-story 6-room dwelling.

Owner.....Emma Coburn, 2370 E-28th, Oakland.

Architect...None.

Day's work. COST, \$2000

FRAME DWELLING

(2460) NW MILES AND COLLEGE Aves W 76.41 NW 31 NE 88.52 S 33.28, Oakland. All work for two-story frame dwelling.

Owner.....William P. and Johanna Jacoby, 217 5th Ave., S. F.

Architect...None.

Contractor...Charles L. Gifford, 5634 College Ave., Oakland.

Filed Oct. 16, '16. Dated Sept. 15, '16.

Roughed in ¼

Brown coated ¼

Completed ¼

Usual 35 days ¼

TOTAL COST, \$7500

Bond, \$3750. Sureties, Maidee B. Gifford and M. D. Nichols. Limit, 90 days Forfeit, \$10. Specifications only filed.

PARISH HOUSE

(2461) N PTN LOT AT NE CORNER Bay Place and Montecito Ave., Oakland. All work except heating, light fixtures and finish hardware for parish house.

Owner.....The Parish House Building Committee (Mrs. Vernon Waldron, Mrs. Robert H. Collins & Mrs. Harry East Miller) of St. Paul's Episcopal Church of Oakland, Premises.

Architect...None.

Contractor...Anthony & Heyer, Dalziel Bldg., Oakland.

Filed Oct. 16, '16. Dated Oct. 4, '16.

On 1st and 15th of each month 75%

Usual 35 days 25%

TOTAL COST, \$4162

Bond, \$2100. Sureties, M. Anthony Bantz and C. W. Heyer. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2462) S JOHN 125 W Piedmont Ave., Oakland. Alterations.

Owner.....J. A. Carleton, 4288 Howe, Oakland.

Architect...None.

Day's work. COST, \$500

DWELLING

(2463) W SIXTY-FIFTH AVE 600 S Fairview Way, Oakland. One-story 5-room dwelling.

Owner.....F. P. Montague, 1052 Central Ave., Oakland.

Architect...None.

Day's work. COST, \$1500

ADDITION

(2464) NO. 1459 E-THIRTY-THIRD, Oakland. Addition.

Owner.....J. M. Fernandez, Premises.

Architect...None.

Contractor...Geo. Russo, 1528 E-19th, Oakland.

COST, \$500

DWELLING

(2465) N APGAR 100 W Market, Oakland. One and one-half-story six-room dwelling.

Owner.....W. Kelly, 2028 Clinton Ave Alameda.

Architect...None.

Contractor...R. S. Cook, 1085 41st St., Emeryville.

COST, \$1600

ADDITION

(2466) NO. 1809 E-FIFTEENTH, Oakland. Addition.

Owner.....A. C. Silva, Premises.

Architect...None.

Contractor...H. G. Damerall, 1543 19th Ave., Oakland.

COST, \$400

ALTERATIONS

(2467) NO. 1647 FOURTH AVE., Oakland. Alterations.

Owner.....Mrs. Lovett, Premises.

Architect...None.

Day's work. COST, \$400

ADDITION

(2475) NO. 362 VERNON, Oakland. Addition.

Owner.....A. Johnson, Premises.

Architect...None.

Day's work. COST, \$400

DWELLING

(2476) CENTER SEMINARY COURT 265 W Seminary Ave., Oakland. One-story 4-room dwelling.

Owner.....Dr. Miles Taylor, Head Bldg., San Francisco.

Architect...None.

Contractor...Thomas & Clark, 5852 Seminary Court, Oakland.

COST, \$1350

DWELLING

(2477) S SEMINARY COURT 200 W Seminary Ave., Oakland. One-story 4-room dwelling.

Owner.....Dr. Miles Taylor, Head Bldg., San Francisco.

Architect...None.

Contractor...Thomas & Clark, 5852 Seminary Court, Oakland.

COST, \$1350

DWELLING

(2478) N E-SIXTEENTH 35 W 57th Ave., Oakland. One-story 6-room dwelling.

Owner.....C. A. Jackson, 2911 Viola, Oakland.

Architect...None.

Day's work. COST, \$1700

DWELLING

(2479) S ARIMO AVE 290 E Lakeshore Ave., Oakland. One-story five-room dwelling.

Owner.....United Home Bldrs, 1527 Broadway, Oakland.

Architect...M. I. Diggs, Syndicate Bldg., Oakland.

Contractor...W. A. Haynes, 5712 Oak Grove Ave., Oakland.

COST, \$2500

ADDITION

(2480) NO. 545 MIRA VISTA AVE., Oakland. Addition.

Owner.....Roscoe Jones, Premises.

Architect...None.

Contractor...Cederborg & Anderson, 1033 Poplar, Oakland.

COST, \$500

ALTERATIONS

(2481) NO. 1212 BROADWAY, Oakland. Alterations.

Owner.....Oakland Bank of Savings, Premises.

Architect...None.

Contractor...John Anderson, 1424 Broadway, Oakland.

COST, \$500

DWELLING

(2482) W THIRTY-FIFTH AVE 275 N Hopkins, Oakland. One-story 5-room dwelling.

Owner.....J. B. Clifford, 3847 35th Ave., Oakland.

Architect...None.

Day's work. COST, \$1500

DWELLING

(2483) W WALKER AVE 100 N Lake Park Ave., Oakland. Two-story 10-room dwelling.

Owner.....N. A. Acker, 127 Montgomery, San Francisco.

Architect...None.

Contractor...Albert A. Russell, 74 Broonan, San Francisco.

COST, \$4900

ALTERATIONS

(2484) NO. 5635 MILES AVE., Oakland. Alterations.

Owner.....J. W. Vance.

Architect...None.

Contractor...I. W. Button, 347 63rd, Oakland.

COST, \$500

ADDITION

(2486) NO. 2759 HUMBOLDT AVE., Oakland. Addition.

Owner.....A. J. Ganter, Premises.

Architect...None.

Contractor...Oliver Price, 1626 41st Ave Oakland.

COST, \$400

BRICK STORES

(2487) E WEBSTER 158 S 26th, Oakland. One-story brick stores.

Owner.....R. A. Archibald, 2432 Webster, Oakland.

Architect...None.

Contractor...Whalin Bros., 565 16th, Oakland.

COST, \$11,000

ADDITION

(2488) W BROADWAY 200 N 40th, Oakland. Addition.

Owner.....R. R. Rogers, 4023 Broadway, Oakland.

Architect...None.

Contractor...J. P. Sherwood, 463 60th, Oakland.

COST, \$450

DWELLING

(2489) W EIGHTY-FIRST AVE 200 N E-14th, Oakland. One-story 5-room dwelling.

Owner.....C. Wilchoff, 84th Ave., Oakland.

Architect...None.

Contractor...J. C. Pearce, 6932 Lockwood Ave., Oakland.

COST, \$1600

DWELLING

(2490) E EIGHTY-FIRST AVE 150 N Plymouth, Oakland. One-story five-room dwelling.

Owner.....C. Wilchoff, 84th Ave., Oakland.

Architect...None.

Contractor...J. C. Pearce, 6932 Lockwood Ave., Oakland.

COST, \$1600

DWELLING

(2491) E THOMAS 204 N Broadway Terrace, Oakland. Two-story 7-room dwelling.

Owner.....John D. Garretson, Thomson Bldg., Oakland.

Architect...M. I. Diggs, Syndicate Bldg., Oakland.
Day's work. COST, \$4500

DWELLING
(2192) NE MARIN AND NEILSEN, Albany. One-story 6-room dwelling.
Owner.....E. N. Berthand, 1037 Peralta Ave., Oakland
Architect...None.
Day's work. COST, \$2500

DWELLING
(2193) NW VENTURA AND MARIN Ave., Albany. One-story 5-room dwlg
Owner.....H. C. Pfrang, 320 Forest, Oakland.
Architect...None.
Day's work. COST, \$2500

PAVING
(2495) PAVE FIRST ST., bet Jackson and Alice and repave First street crossings at Alice and pave in front S. P. Ppty in vicinity of First and Broadway, Oakland. 8" excavation at 2½¢ per sq. foot; 9½" excavation on First street, between Broadway and Franklin, 1½¢ per sq. ft.; Broadway and Water streets, 3½¢ sq. ft.; concrete curb, 40¢ per lin ft.; concrete gutter, 15¢ per ft.; paving, 10¢ per sq. ft.; paving, 06¢ per sq. ft. for 3" oil macadam; paving, 10¢ per sq. ft. for 8" oil macadam; excavating, 01½¢ per sq. ft. for 3" depth.
Owner.....Southern Pacific Co., 13th and Broadway, Oakland.
Architect...None.
Contractor...Ransome-Crummey Co., Savings Bank Bldg., Okd.
Filed Oct. 19, '16. Dated Sept. 28, '16.
Usual 35 days.....All money due
TOTAL COST, \$—
Bond, \$1400. Surety, Massachusetts Bonding & Insurance Co. Limit, 60 days. Forfeit, none. Plans only filed.

DWELLING
(2496) W HARRIET AVE 145 N Carleton, Oakland. One-story 2-room dwlg
Owner.....E. H. Crackbon, 2531 Harriett, Oakland.
Architect...None.
Contractor...Chas. Lodge, 611 Cleveland, Oakland.
COST, \$400

DWELLING
(2497) W NINETY-SIXTH AVE 80 N Cherry, Oakland. One-story 5-room dwelling.
Owner.....Geo. Ferguson, Elmhurst.
Architect...None.
Day's work. COST, \$1600

FLATS
(2498) S FIFTY-FIFTH 180 W Grove, Oakland. Two-story 12-room flats.
Owner.....E. C. Ambrose, 835 55th, Oakland.
Architect...None.
Contractor...H. M. Barnett, 859 Alleen, Oakland.
COST, \$1000

DWELLING
(2499) S SIXTIETH 145 W Colby, Oakland. One-story 6-room dwlg.
Owner.....H. C. Pfrang, 320 Forest, Oakland.
Architect...None.
Day's work. COST, \$2500

CONCRETE WORK K
(2500) (1) SV SECOND AND FRANK-
lin 100x75; (2) S Second on alley bet.

Broadway and Franklin 25x75. Concrete work for two-story and mezzanine store building and one-story store (concrete and brick).
Owner.....Fruit & Produce Realty Co
Architect...C. W. McCall, Central Bk. Bldg., Oakland.
Contractor...O. A. Edwall & G. B. Alfonso, 1011 Franklin, Oakland.

Filed Oct. 20, '16. Dated Oct. 19, '16.
Concrete piers in.....\$ 470.00
Concrete walls poured to 2nd floor 752.00
Completed and accepted..... 1128.05
Usual 35 days..... 790.00
TOTAL COST, \$3140.05
Bond, \$1571. Sureties, Wm. Makin and J. E. McCormac. Limit, 25 days. Forfeit, none. Plans and specifications filed.

BRICK WORK ON ABOVE.
Contractor...Wm. J. Baccus, City Hall, Oakland.
Filed Oct. 20, '16. Dated Oct. 17, '16.
Brick work to 1st floor ceiling.....\$1600
Brick work to 2nd floor ceiling 965
Completed and accepted..... 555
Usual 35 days..... 1040
TOTAL COST, \$4160
Bond, \$3120. Surety, Massachusetts Bonding & Insurance Co. Limit, 10 days. Forfeit, none. Plans and specifications filed.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2453	Elliott	Elliott	2000
2454	Peterson	Pearson	2950
2455	Hurtig	Hurtig	2000
2456	Schleuter	Trow	450
2457	Long	Mason	2500
2458	Cutter	Cutter	400
2459	Vaughn	Hopper	4250
2485	Markham	Peake	3000
2494	Frank	Nelson	2000

DWELLING
(2453) E LINDEN AVE 140 N Webster, Berkeley. One-story 4-room dwlg.
Owner.....Mrs. Ophelia E. Elliott, 2950 Linden Ave., Berkeley
Architect...P. F. Speidel, 529 Sheldon Bldg., San Francisco.
Day's work. COST, \$2000

CLASS "C" STORE
(2451) NO. 2016 SAN PABLO AVE., Berkeley. One-story 1-room Class "C" store.
Owner.....Henry Peterson, Addison and San Pablo Aves., Bkly.
Architect...None.
Contractor...Ben Pearson, 2403 Grant, Berkeley.
COST, \$2950

DWELLING
(2455) NO. 1534 EDITH, Berkeley. One story 6-room dwelling.
Owner.....Anna M. Hurtig, 1720 Jayne, Berkeley.
Architect...W. L. Brodrick, 1201 Colusa Ave., Berkeley.
Day's work. COST, \$2000

ALTERATIONS
(2456) NO. 2121 SHATTUCK AVE., Berkeley. Alterations.
Owner.....A. Schleuter Co., 1314 Washington, Oakland.
Architect...None.
Contractor...Chas. L. Trow, 835 35th, Oakland.
COST, \$450

DWELLING
(2457) E OXFORD 517.79 N Los Angeles Ave., Berkeley. One-story 6-room dwelling.
Owner.....Roy O. Long, Shattuck and Addison, Berkeley.
Architect...None.
Contractor...Mason-McDuffie Co., Shattuck Ave & Addison, Bkly.
COST, \$2500

BARN
(2158) NW SIXTH AND GRAYSON, Berkeley. Barn.
Owner.....The Cutter Laboratory, Premises.
Architect...None.
Day's work. COST, \$400

DWELLING
(2459) E HILLEGASS 300 N Woolsey, Berkeley. Two-story 7-room dwlg.
Owner.....C. W. Vaughn, 3057 Hillegass Ave., Berkeley.
Architect...None.
Contractor...S. Richmond and A. J. Hopper, 1769 Pleasant Valley Ave., Oakland.
COST, \$4250

DWELLING
(2485) NO. 790 SPRUCE, Berkeley. Two-story 7-room dwelling.
Owner.....Reginald Markham, 2729 Dwight Way, Berkeley.
Architect...None.
Contractor...F. R. Peake, 2131 University Ave., Berkeley.
COST, \$3000

DWELLING
(2494) NW HOLLY AND BUENA, Berkeley. One-story 5-room dwelling.
Owner.....Mrs. Frank.
Architect...None.
Contractor...O. E. Nelson, 1215 Monterey Ave., Berkeley.
COST, \$2000

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2468	Turrell	Stolte	2350
2469	Same	Same	2350
2470	Corboline	Norris	1800
2471	Pond	Stewart	2000
2472	Johnson	Stewart	1500
2473	Esparza	Esparza	700
2474	Becklay	Becklay	400

DWELLING
(2468) W MORTON 33½ from Pacific Ave., Alameda. One-story six-room dwelling.
Owner.....H. N. Turrell, 841 Walker Ave., Oakland.
Architect...None.
Contractor...F. C. Stolte, 3449 Laguna Ave., Oakland.
COST, \$2350

DWELLING
(2469) W MORTON Cor. Pacific Ave., Alameda. One-story 6-room dwelling
Owner.....H. N. Turrell, 841 Walker Ave., Oakland.
Architect...None.
Contractor...F. C. Stolte, 3449 Laguna Ave., Oakland.
COST, \$2350

DWELLING
(2470) N CENTRAL AVE, bet. 4th and 5th, Alameda. One-story 6-room dwlg
Owner.....Mary Corboline, 1550 Palace Court, Oakland.
Architecta...None.

Contractor..Justus Norris, 2828 Richmond Blvd., Oakland.
COST, \$1800

DWELLING

(2471) LOT 11, Sterling Ave., Alameda. One-story 6-room dwelling.
Owner.....J. K. Pond, 1518 Encinal Ave., Alameda.

Architect...None.
Contractor..G. W. Stewart, 3010 Central Ave., Alameda.
COST, \$2000

DWELLING

(2472) NO. 3113 VAN BUREN, Alameda. One-story 4-room dwelling.
Owner.....G. A. Johnson, Premises.
Architect...None.
Contractor..G. W. Stewart, 3010 Central Ave., Alameda.
COST, \$1500

ALTERATIONS

(2473) NO. 1909 LINCOLN AVE., Alameda. Alterations.
Owner.....Victor Esparza, 1709 Walnut, Alameda.
Architect...None.
Day's work. COST, \$700

DWELLING

(2474) NO. 2307 WEBSTER, Alameda. One-story 3-room dwelling.
Owner.....L. Becklay, Premises.
Architect...None.
Day's work. COST, \$400

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Oct. 13, 1916—E RIGHT OF WAY line of S. P. R. R. Co. 130 S Parker N 60xW 50, Bkly. Southern Pacific Railway Co as to improvements on leased property

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED

Oct. 11, 1916—HEARST RANCH near Pleasanton. P A Hearst to Chas A Bruce.....Oct. 9, 1916
Oct. 11, 1916—LOT 45, Fremont Tct., Okd. I Ariel Kellogg to whom it may concern.....Oct. 5, 1916
Oct. 11, 1916—LOT 59 Sheet No. 2, Map Nova Piedmont, Piedmont. F N Strang to whom it may concern.....Sept. 26, 1916
Oct. 11, 1916—W FRUITVALE AVE 83 S E-14th S 42 NW 80 NE 41.59 SE 77.02, Okd. Derby Estate Co to whom it may concern. Oct. 10, 1916
Oct. 14, 1916—NE E-TWENTY-FIRST 165 SE 5th Ave SE 40xNE 150, Okd. Bernard L and Alma Maguire to R H Banning and Jas F Stewart.....Oct. 14, 1916
Oct. 14, 1916—W MANOR DRIVE 150 N Cambridge Place N 75xW 80, Piedmont, E Rose to M A Rose.....Oct. 14, 1916
Oct. 16, 1916—LOT 13 BLK "D" Excelsior Heights Tract, Okd. Martha E Edwards to Edwin C Graff.....Oct. 14, 1916
Oct. 16, 1916—LOT 13 BLK "Q" Map 4th Avenue Terrace, Okd. Manuel C and Cecelia C Figueroa to C E Harris and L G Hudson. Oct. 14, 1916
Oct. 16, 1916—LOTS 9 AND 10 BLK "B" Lincoln Park, Piedmont. F O Nebeker to Geo W Nuns. Sept. 30, '16
Oct. 17, 1916—SE TWENTY-SIXTH

and Webster E 125xS 158, Okd. W A Smith to W E Whalin. Oct. 14, 1916
Oct. 17, 1916—S BANCROFT WAY 450 E Dana, Berkeley. N R Franks to Janson Iron Works. Oct. 12, 1916
Oct. 17, 1916—S BANCROFT WAY 450 E Dana, Bkly. N R Davidson to H E Franks.....Oct. 12, 1916
Oct. 19, 1916—PLOT 7, Patterson Ranch Rear 65 Lot; Cor. Melrose and 48th Aves 50x65, Okd. Mrs H B Pollard to Wm H Sims.....Sept. 15, 1916
Oct. 19, 1916—NW MONTANA AND Laguna Aves 60x100, Okd. Geo B McDonald to A H Rose & Co.....Oct. 19, 1916
Oct. 20, 1916—LOT 200 Crocker Highlands, Okd. Alta Piedmont Land Co to Christ Nelsen and Peter Buhman.....Oct. 17, 1916
Oct. 20, 1916—LOT 15 BLK 2 Map Rockridge Place, Okd. Banning & Stewart to whom it may concern.....Sept. 12, 1916
Oct. 20, 1916—LOT 3 BLK "J" Bryant Tract, Bkly. Matt J Koski to whom it may concern.....Oct. 18, 1916

LIENS FILED

ALAMEDA COUNTY.

Oct. 11, 1916—NE JOHN AND MONTGOMERY N 100x E 55, Okd. Robert B MacDonald vs Ed Collins and Frank Romano\$47
Oct. 11, 1916—NE JOHN AND MONTGOMERY N 100x E 55, Okd. Howard Co vs Ed Collins and Frank Romano\$346.25
Oct. 11, 1916—S CHANNING WAY 200 W Telegraph Ave W 40xS 135, Bkly. Panama Lumber & Mill Co vs G W Patton & S A Talbert.....\$107.75
Oct. 11, 1916—LOT 20 Map Brookside Manor, Okd. Howard Co vs Ed Collins and H J Reef\$236.30
Oct. 13, 1916—LOT 20 Brookside Manor, Oakland. P Bertinetti vs Edward Collins, Henry J Reef and Susan J Reef\$50
Oct. 13, 1916—PTN LOT 7 BLK "U" Revised Map Oakland Heights, Okd. G L Tyler vs Chas F Fallmer\$49
Oct. 13, 1916—NE JOHN AND MONTGOMERY being No. 98 John St., Okd. Fred J Jackson, \$134.72; P Bertinetti, \$80; Thomas Bally, \$120 vs Edward Collins, Frank Romano and Susan Doe Romano\$89.65
Oct. 13, 1916—LOT 20 Brookside Manor, Oakland. Fred J Jackson vs Edward Collins, Henry J and Susan Doe Reef.....\$89.65
Oct. 13, 1916—LOT 20 Brookside Manor, Oakland. Thomas Bally vs Edward Collins, Henry J Reef and Susan Doe Reef.....\$60
Oct. 13, 1916—NE JOHN AND MONTGOMERY N 100x E 55, Okd. Roberts Mfg Co vs Ed Collins and Frank Romano\$77.50
Oct. 13, 1916—SE DERBY & CALIFORNIA E 53.70xS 47, Bkly. P W Foss Co vs Colored M E Church and J A Stout.....\$41.10
Oct. 13, 1916—NW 55 LOT 7 BLK 5 Howe Tract, Okd. John P Maxwell (Maxwell Hardware Co) vs E D Collins and Frank Romano\$95.19
Oct. 14, 1916—PTN AUGHINBAUGH 223.374 Acre Tract (2) Lots 22, 25, 26, 27 and Ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D B & M Sale Map No. 10,

Salt Marsh & Tide Lands, Alameda. Burnham-Standeford Co vs A T Spence and Surf Beach Amusement Co\$1105.65
Oct. 14, 1916—SE JOHN AND MONTGOMERY SE 55xNE 100, Okd. Spott Bros vs Ed Collins and Frank Romano\$85
Oct. 16, 1916—NE 20 FEET LOT 31 and SW 20 feet Lot 32 Blk 9, Steinway Terrace, Oakland. Bass-Hueter Paint Co vs A R and Annie D Morris and Tuft & Menneki.....\$29.90
Oct. 16, 1916—PART OF CASTRO Ptn of Rancho San Lorenzo, Eden Tp. Fred J Russell vs Rasmus E Knudsen and Karen Knudsen.....\$47.40
Oct. 17, 1916—SE TWELFTH AVE 75 SW E-15th SW 30xSE 110, Okd. E K Wood Lumber Co vs G H Merithew, Estate Hattie D Merithew, James E and May J Reiter.....\$220.54
Oct. 18, 1916—LOT 17 Nova Piedmont Tract, Piedmont. M Sulsaft Co vs C E Wheeland and J A McKeever.....\$70
Oct. 18, 1916—LOT 17 BLK "F" Northbrae Terrace, Bkly. F W Foss Co vs Velma C and Clarence E Condon and C Fleischer\$108.63
Oct. 19, 1916—PTN LOT 8 Map Subdivision Kellersberger Plot 72, Okd. W S Hurst vs Lloyd E Rabjohn and C M Charman.....\$45
Oct. 20, 1916—LOT 18 BLK "M" Northbrae Terrace, Bkly. Tilden Lumber Co vs S B Batsford and J S Hanson\$51.84
Oct. 20, 1916—LOT 7 BLK "U" Map Oakland Heights, being No. 437 Elwood Ave, Okd. Inland Floor Co vs Charles F Fallmer.....\$71

SAN JOSE AND THE SANTA CLARA VALLEY

BRIDGES—Reinforced concrete. Cost as follows: San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose, Owners, Santa Clara County. The County Supervisors have rejected bids received for the construction of reinforced concrete bridges on San Felipe road over Dry Creek and on the Cochrane road. Bids for these structures were received as follows: For Cochrane Road Bridge—Adams & Crew, \$2,691; John Doyle, \$3,087; W. L. Gillham & Son, \$3,330. Surveyor's estimate, \$1,730. The County Surveyor was directed to proceed with the construction of the bridge.

For San Felipe Road Bridge—F. T. Edmans, \$5,364; John F. Adams & Crew, \$5,378. Surveyor's estimate, \$4,805.

DRAINAGE DITCH—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose, Owners, Santa Clara County. The County Supervisors have ordered bids received up to November 6th at 11 a. m. for the construction of the Foxworthy Drainage ditch to be constructed in Supervisor District No. 4. Plans for the work were prepared by the County Engineer. Further information together with plans and specifications may be had from the County Clerk, Henry A. Pfister, at San Jose.

SCHOOL—2 story and base, brick and concrete, \$52,000. South San Francisco, San Mateo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, South San Francisco School District. Revised plans for this work have been completed and are now out for figures. New bids are to be opened on October 30th.

SCHOOL—2 story and base, brick concrete, \$100,000. Watsonville, Santa Cruz Co., Cal. Architect, W. H. Ecks, 75 Post street, S. P. Owners, Watsonville Union High School District. Will contain sixteen class rooms, auditorium, library and office. Plans complete and figures being taken. Bids on November 6th. Plans on file with the architect or Clerk of the Board of Education.

HOSPITAL COTTAGE—1 story. Cost not stated. Agnew, Santa Clara Co., Cal. Architect, State Architect, George B. McDougall, Sacramento. Owners, State of California. Bids will be opened on November 13th for the construction of an open air cottage. An official proposal appears in this column of this issue.

RESIDENCE—2 story and base, brick, frame and brick, \$60,000. Burman, San Mateo Co., Cal. Architect, Jules E. Gottschalk, Phelan Bldg., San Francisco. Owner, Edwin Christensen. Will contain twenty rooms, six baths and a number of out buildings. Plans complete and contracts awarded for the excavating, plain and reinforced concrete work and plumbing. Balance of work to be awarded shortly.

HOSPITAL BOILER, ETC.—San Jose, Santa Clara Co., Cal. Engineer, none. Owners, Santa Clara County. At the meeting of the Santa Clara County engineers, specifications for removing one high pressure tubular brick set and stack and furnishing one high-pressure boiler and connecting; also specifications covering one H. P. high pressure horizontal tubular boiler, proposed to be furnished and installed at the County Hospital, were approved, and the clerk directed to advertise for bids to be opened on Monday, November 13th at 11 o'clock a. m.

Contracts Awarded

BRIDGES—3, reinforced concrete. As follows. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, J. H. Jose. Owners, Santa Clara County. Contractor, William Martin, San Jose. Madison road bridge, \$1,089; Cooney gate, \$921; and Elwood bridge, \$898.

BRIDGE—Timber, \$1,098. Alturas, Santa Clara Co., Cal. Engineer, County Surveyor A. M. Green, Alturas. Owners, Santa Clara County. Contractors, Calderon & Leonard, Alturas. Contract price, \$1,098.

STREET IMPROVEMENTS—Cost as follows. South San Francisco, San Mateo Co., Cal. Engineer, Town Engineer, South San Francisco. Owners, South San Francisco. Contractor, J. Edgren, Monadnock Bldg., S. F. Contract price, grading, 3 cents a square foot; paving, 11 cents a square foot.

RETAINING WALLS—Reinforced concrete, \$2,931. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, H. B. Morey Sons, Menlo Park. Contract price, \$2,931.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

CONDITIONS
CAR LOS ALTOS. All work for additions to one and one-half story dwelling.
 Owner.....Paul B. Noble, 2298 Sutter St., San Francisco.
 Architect.....J. R. Miller, Lick Bldg., San Francisco.

Contractor...A. Klahn & Son, 1334 21st Ave., San Francisco.

Filed Oct. 11, '16. Dated Oct. 10, '16.
 Frame up\$527.00
 Accepted526.75
 Usual 35 days351.25
TOTAL COST, \$1405.00
 Bond, none. Limit, 35 days after Oct. 12. Forfeit, none. Plans and specifications filed.

GARAGE

SECOND ST., bet. Santa Clara and St. John Sts., San Jose. Concrete work for one-story brick and frame garage
 Owner.....J. A. McCarley, 30 N-2nd St., San Jose.
 Architect.....Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
 Contractor.....George Raggio, 216 N-16th St., San Jose.

Filed Oct. 13, '16. Dated Oct. 11, '16.
 As work progressed.....75%
 Usual 35 daysBalance
TOTAL COST, \$983
 Bond, none. Limit, with dispatch. Forfeit, none. Plans and specifications filed.

ALL WORK EXCEPT CONCRETE

work on above.
 Contractor.....J. H. Miller.
 Filed Oct. 13, '16. Dated Oct. 11, '16.
 Brick work up for trusses.....\$1571.25
 Brick work done.....1571.25
 Job accepted1571.25
 Usual 35 days1571.25
TOTAL COST, \$6285.00
 Bond, \$3142.50. Sureties, T. B. and A. L. Hubbard. Limit, 90 days from date. Forfeit, none. Plans and specifications filed.

GARAGE, ETC.

SAN JOSE. All work for garage and additions to dwelling.
 Owner.....G. C. Hulse, 9 Villa St., San Jose.
 Architect.....W. E. Higgins, 1210 Jefferson St., Santa Clara.
 Contractor.....Edgar A. Bevens.
 Filed Oct. 13, '16. Dated Oct. 11, '16.
 End of 2 weeks, work done.....75%
 End of 4 weeks, work done.....75%
 Job accepted75%
 Usual 35 days, balance.....25%
 Bond, \$860. Sureties, L. D. Bohnett and C. W. Brown. Limit, 50 days from date. Forfeit, none. Plans and specifications filed.

RELEASE OF LIENS

SANTA CLARA COUNTY.

RECORDED **AMOUNT**
 Oct. 16, 1916—LOT 13 BLK 3, Elm Leaf Park, Half Acres. San Jose Lumber Co to G J Halmes.....\$331.81

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED **ACCEPTED**
 Oct. 13, 1916—FOURTEENTH AND San Antonio, San Jose. A M White-side to whom it may concern.....
Oct. 5, 1916
 Oct. 13, 1916—CAMPUS at Stanford. Stanford University to Anton Jensen.....Oct. 6, 1916

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME RESIDENCE

LOT 16 BLK 11 SUB 2 Brighton Beach Tract, Brighton Beach. All work for One-story frame residence.
 Owner.....Jane Henderson.
 Architect.....Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
 Contractor.....Salih Constr. Co., 2011 Mill via St., Berkeley.

Filed Oct. 13, '16. Dated Oct. 9, '16.
 When framed\$500
 When plastered500
 When accepted.....500
 Usual 35 days500
TOTAL COST, \$2000.
 Bond, \$1000. Sureties, J. Casey and J. A. Naify; Limit, 35 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED **ACCEPTED**
 Oct. 11, 1916—LOTS 1 TO 10, Inc and 35 to 40, Inc, Blk 18 Fifth Add'n to San Bruno Park, San Bruno. San Bruno Park School District to R C Stickle, Sept. 25, 1916; W L Hickey.....Sept. 25, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES

RESIDENCE—1 story and base, brick and concrete. Cost not stated. Glen Ellen, Sonoma Co., Cal. Architect, none. Owner, Natalie Pomi, 105 7th street, Santa Rosa. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day & Labor.

RESIDENCE—1 story and base, frame, \$1,600. Richmond, Contra Costa Co., Cal. Architect, none. Owner, Herbert Bowles, 635 19th street, Richmond. Location, 20th between Roosevelt and Montgomery. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

FLOUR MILL ADDITION—Steel or reinforced concrete. Vallejo, Solano Co., Cal. Engineer's name not given. Owners, Sperry Flour Co. The Sperry Flour Co. is now considering plans submitted by a Chicago engineer for extensive improvements to be made to their South Vallejo plant. A new mill building will be erected and a large storage warehouse. The amount of money to be expended and the nature of construction have not been settled as yet. Further mention will be made of this work.

HOSPITAL ADDITION—1 story, reinforced concrete, \$3,000. Martinez, Contra Costa Co., Cal. Architect, County Surveyor, Martinez. Owners, Contra Costa County. Plans have been prepared for an addition to the county hospital and bids will shortly be called. The new addition will be used for an insane ward.

STREET IMPROVEMENT—Cost not stated. Napa, Napa Co., Cal. Engineer, City Engineer, Napa. Owners, City of Napa. Bids will be opened on October 30th for street improvements authorized under the following resolution: That the roadway on Linn street, from Seymour street to the westerly limits of the city of Napa and the termination of Linn street, be graded, cement concrete curbs constructed, and the

roadway paved with water bound macadam, consisting of crushed rock 6 inches in depth after its final rolling and dressing of crushed rock screenings.

Contracts Awarded.

SCHOOL—1 story, frame, \$2,009. Knights Valley School District, Sonoma Co., Cal. Architects, Turton & Herbert, Santa Rosa. Owners, Knights Valley School District. Contractor, T. H. Money, Santa Rosa. Contract price, \$2,009.

ROAD IMPROVEMENT—\$1,620. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Contractor, Otto Engel, San Rafael. Contract price, \$1,620.

CLEARING CREEK—Cost as follows. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. Contractors, Baker & Martin, Sheldon Bldg., S. F. Contract price, 32c per cubic yard.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

SCHOOL

DANVILLE, Contra Costa Co. One-story frame school.

Owner.....San Ramon Valley Union High School District.

Architect...Norman R. Coulter, 46

Kearny, San Francisco.

Contractor...Kellar & Crane, 94 Miramar Ave., San Francisco.

COST, \$12,630

FRAME COTTAGE

SEVENTEENTH AND CHANSLOR STS.

Richmond. One-story frame cottage.

Owner.....D. L. Rosati, Cor. 14th and Bissell, Richmond.

Architect...None.

Contractor...O. J. Dahl, 126 Ohio St., Richmond.

COST, \$1150

FRAME FLATS

TWELFTH, bet. Barrett and Roosevelt

Sts., Richmond. Two two-story frame flats.

Owner.....J. V. Ylvestier, 12th and Barrett, Richmond.

Architect...None.

Contractor...J. A. Fagerstrom, 9th and Chanslor, Richmond.

COST, \$2400

BRICK STORE

MACDONALD AVE., bet. 5th and 8th

Sts., Richmond. One-story brick store.

Owner.....G. Malianni, 711 Macdonald Ave., Richmond.

Architect...Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Contractor...Carl Overna, 1808 Roosevelt Ave., Richmond.

COST, \$2200

FRAME COTTAGE

TWELFTH ST., bet. Barrett and Roosevelt

Aves., Richmond. Frame cottage.

Owner.....J. A. Osler, 1212 Barrett Ave., Richmond.

Architect...None.

Contractor...N. E. Anderson, 1110 Barrett Ave., Richmond.

COST, \$1986

FRAME COTTAGE

TWENTYETH ST., bet. Roosevelt and

Montgomery, Richmond. Frame cottage.

Owner.....None.

Owner.....Herbert Bowles, 635 19th St., Richmond.
Architect...None.
Day's work. COST, \$1500

BUILDING CONTRACTS

SONOMA COUNTY.

FRAME SCHOOL

KNIGHTS VALLEY, Sonoma Co. All work for one-room frame school.

Owner.....Knights Valley School District.

Architect...Turton & Herbert.

Contractor...T. H. Money.

Filed Sept. 15, '16. Dated Aug. 17, '16.

All material on ground.....\$500

All walls up.....500

Building accepted.....500

Usual 35 days.....509

TOTAL COST, \$2009

Bond, \$1004. Sureties, Aurthur Corlett and Henry Duffield. Limit, 68 working days. Forfeit, none. Plans and specifications filed.

REPAIRS

SANTA ROSA. Repairs to Post Office.

Owner.....U. S. Government.

Architect...None.

Contractor...Barrett & Hilt, Sharon Bldg., San Francisco.

COST, \$2493

CONCRETE BUILDING

PETALUMA. All work for two-story

concrete business building.

Owner.....Thos. Maclay, 137 Ken-

tucky St., Petaluma.

Architect...Brainerd Jones, 110 Wash-

ington St., Petaluma.

Contractor...H. P. Vogensen, 600 5th

St., Petaluma.

Filed Aug. 4, '16. Dated Aug. 2, '16.

On list of each month.....75%

Usual 35 days.....\$5050

TOTAL COST, \$20,191

Bond, \$12,500. Sureties, John F. Camm

and Wm. Dresbach. Limit, 120 working

days. Forfeit, none. Plans and spec-

ifications filed.

COMPLETION NOTICES

SONOMA COUNTY.

RECORDED

ACCEPTED

Aug. 2, 1916—HEALDSBURG, Cali-

fornia Fruit Canning Ass'n to O H

Bailey.....June 15, 1916

Sept. 11, 1916—SONOMA CITY. So-

nomia Valley Woman's Club to A E

Warriner.....Sept. 13, 1915

Sept. 22, 1916—CALIENTE SPRINGS.

Theo Richards to whom it may

concern.....Sept. 20, 1916

LIENS FILED

SONOMA COUNTY.

RECORDED

AMOUNT

Sept. 30, 1916—HEALDSBURG. A F

Stevens Lumber Co vs Wm J Folz

.....\$348.45

Oct. 6, 1916—AGUA CALIENTE

Springs near Sonoma. C A Berg-

strom vs Theo Richards.....\$83.67

Oct. 7, 1916—PETALUMA. Camm &

Hedges Co vs F P Doyle.....\$64.15

FRESNO, MODESTO, STANISLAU AND CENTRAL CALIFORNIA

BRIDGE—Reinforced concrete. Cost not stated. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. Bids will be received by the Board of Supervisors up to 2 p. m. of October 27th for constructing a reinforced concrete 30-foot bridge across Deep Creek near the Bliss ranch, about six miles south of Visalia, in accordance with plans and specifications.

BRIDGES—Concrete and timber. Cost not stated. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. The County Supervisors at their last meeting approved plans and specification for a number of bridges to be constructed throughout the county as follows: Road District No. 4—Across San Luis Creek on Middle road, to be known as Bridge No. 47. Road District No. 2—Across Dutchman Creek on Baxter road, to be known as Bridge No. 48. Road District No. 2—Across Mariposa Creek on Plate road, to be known as Bridge No. 49. Road District No. 2—Across a slough on State highway, to be known as Bridge No. 50. Also for the construction of a bridge across Canal Creek on the Cox Ferry road in Road District No. 3. Bids or the work close November 14th at 10 a. m. A certified check of 10 per cent payable to the chairman of the Board of Supervisors, must accompany each bid. Plans and further information may be had from the County Engineer or County Clerk.

IRRIGATION PROJECT—Cost not stated. Fresno, Fresno Co., Cal. Engineer, Louis C. Hill, Hollingsworth Bldg., L. A. Owners, Fresno Canal and Irrigation District. Bonds of the Fresno Canal and Irrigation Co. have been sold to San Francisco and Los Angeles bonding houses, and work on the construction of a dam and reservoir at Pine Flat in the Kings River country will be started shortly. The dam will be 235 feet high, 1,000 feet long on top and 350 feet long on the bottom. The reservoir will impound 600,000 acre feet of water.

SCHOOL—2 story and base, brick and concrete, \$25,000. Riverdale, Fresno Co., Cal. Architect, Ernest J. Kump, Fresno. Owners, Riverdale School District. Trehuitt & Shields Co. presented the lowest bid for the new school building at \$25,890, with James L. Daly second low at \$27,320. Bids were taken under advisement.

HYDROELECTRIC PLANT—\$350,000. Fresno, Fresno Co., Cal. Engineer, A. S. Kalenborn, Fresno. Owners, San Joaquin Light and Power Co. The San Joaquin Light and Power Co. has begun work of excavating for the construction of a hydroelectric plant in Crane Valley. The plant will be completed in June, 1917.

JAILS—2, 1 story, reinforced concrete. Cost not stated. Bakersfield, Kern Co., Cal. Architect, none. Owners, Kern County. Bids will be received by the Board of Supervisors at Bakersfield on November 9th for the construction of a reinforced concrete jail with cess pool at Mojave, and at the same time and place bids will be received for the construction of a reinforced concrete jail with cess pool at Randsburg. Bids formerly received on

his work were rejected as being too high.

OFFICE BUILDING—1 story, concrete. Cost not stated. Waterford, Stanislaus Co., Cal. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Bids will be opened on November 10 at 2 p. m. for concrete office building with a fireproof vault. Plans can be secured from the Secretary of the Irrigation District at Waterford.

STREET PAVING—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. At the last meeting of the City Council the City Engineer was instructed to prepare plans and specifications for paving of 23rd street from E to Chester avenue.

Contracts Awarded.

COTTAGE AT SEWER FARM—1 story, frame. Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be opened on November 6th for a frame cottage to be erected at the sewer farm. Plans can be had from the City Clerk.

CANAL LINING—\$5,595. Oakdale, Stanislaus Co., Cal. Engineer, Chief Engineer, Oakdale Irrigation District. Owners, Oakdale Irrigation District. Contractors, Tieslau Bros., 110 Jessie street, S. F. Contract price, \$5,595.

BATH HOUSE—1 story, brick, \$1,897. Bakersfield, Kern Co., Cal. Architect's name not given. Owners, City of Bakersfield. Contractors, Ferguson Rogers, Bakersfield. Contract price, \$1,897.

MILK FACTORY—2 story and base, steel and brick, \$100,000. Modesto, Stanislaus Co., Cal. Architect's name not given. Owners, Borden Condensed Milk Co. Contractor, Ernest Green, Modesto. Contract price, \$100,000.

BUILDING CONTRACTS

FRESNO COUNTY.

BRICK GARAGE
OTS 17 TO 20 BLK 336, Fresno. All work for brick garage in rear.
Owner.....Lotta Krone.
Architect...Swartz & Swartz, Rowell Bldg., Fresno.
Contractor..J. L. Daly, Griffith-McKenzie Bldg., Fresno.

Bid Oct. 17, '16. Dated Oct. 17, '16.
One-third finished\$2506
Two-thirds finished 2506
Completed 2506
Usual 35 days.....2506

TOTAL COST, \$10,024

ond, none. Limit, 45 working days. forfeit, \$20. Plans and specifications led.

DRILLING WELL
EC 3, 20-15, Fresno. All work for drilling oil well No. 26.
Owner.....Kern Trading & Oil Co.
Architect...None.

Contractor..Federal Drilling Co.
Bled Oct. 17, '16. Dated Oct. 18, '16.
Each month 50%
Usual 35 days.....Balance
TOTAL COST, Per foot drilled and
tasting set, \$4.40 per ft.
ond, \$6950. Surety, National Surety
o. Limit, forfeit, plans and specifications, none.

ALTERATIONS

NOS. 941-45 J St. (alterations); No. 1321
J St. (removal of fittings), Fresno.
All work for alterations to building
and removal of fittings from office.
Owner.....Wells Fargo & Co., S. P.
Depot Office, Fresno.

Architect...Jas. H. Humphreys.
Contractor...R. Pedersen & Co.
Filed Oct. 19, '16. Dated Oct. 13, '16.
On completion.....\$994.50
Usual 35 days.....331.50

TOTAL COST, \$1326.00

Bond, \$663. Sureties, Geo. Larson and
Andrew Iverson. Limit, 25 working
days. Forfeit, none. Plans and specifications filed.

STORE

LOTS 1, 2, 3 BLK 118, Fresno. All work
for store.

Owner.....L. A. Angell, 2123 Grant
Ave., Fresno.
Architect...None.
Contractor..J. E. Cregor.

COST, \$3500

DWELLING

LOTS 11 AND 12 BLK 221, Fresno. All
work for dwelling.

Owner.....C. Deibert.
Architect...None.
Contractor..John Herrman.

COST, \$1200

DWELLING

LOTS 11 AND 12 BLK 230, Fresno. All
work for dwelling.

Owner.....C. Deibert.
Architect...None.
Contractor..John Herrman.

COST, \$1200

STORE

LOTS 1, 2, 3 BLK 104, Fresno. All work
for store.

Owner.....E. F. Mitchell.
Architect...None.
Contractor..R. F. Felchlin, Rowell
Bldg., Fresno.

COST, \$4550

DWELLING

LOTS 19 AND 20 BLK "A" Iowa Addition,
Fresno. All work for dwlg.

Owner.....Geo. Laudray.
Architect...None.
Contractor..T. Cavanaugh, 3231 Fresno
St., Fresno.

COST, \$2000

DWELLING

LOTS 13 AND 14 BLK 26, Arlington
Heights, Fresno. All work for dwlg.

Owner.....P. C. Rasmussen.
Architect...None.
Contractor..C. L. Saylor, 1035 Green St.,
Fresno.

COST, \$1400

TOWER

S. F. RAILWAY STATION reservation,
Fresno. All work for interlocking
tower.

Owner.....A. T. & S. F. Railway Co.
Architect...None.
Day's work.

COST, \$1000

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
Oct. 17, 1916—LOTS 7 AND 8 BLK
103, Fresno. J A Benham to whom
It may concern.....Oct. 14, 1916

LIENS FILED

FRESNO COUNTY.

RECORDED AMOUNT
Oct. 12, 1916—LOT 9 BLK 20, Alta
Vista Addition, Fresno. John Hark-
reader. James I. Miller.....\$23
Oct. 13, 1916—S ¼ OF NW ¼ OF SEC
20-13-18, Fresno. C S Pierce Lum-
ber Co vs J B Hewitt.....\$61

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

IRRIGATION RESERVOIRS—Rein-
forced concrete. Cost not stated. En-
gineer, A. M. Green, Alturas. Owners,
Potter-Huffman Land and Live Stock
Co. County Surveyor A. M. Green is
preparing plans for two flood water
storage reservoirs to be erected in
Madoc County for the Potter-Huffman
Land and Live Stock Co. One reservoir
will have a capacity of 1,550 acre feet
and the other 1,467 acre feet. Construction
will be of concrete. Construction
will start early in 1917.

FIRE HOUSE—1 and 2 story and
base, brick. Cost not stated. Tracy,
San Joaquin Co., Cal. Architects, Sala
& Mayo, Commercial Savings Bank
Bldg., Stockton. Owners, City of Tracy.
Will contain apparatus room and living
quarters. Plans are being prepared.

SCHOOL—1 story, brick. Cost not
stated. Marysville, Yuba Co., Cal. Ar-
chitect's name not given. Owners,
City of Marysville. Bids will be re-
ceived on November 27 for a brick
school. Separate bids are being taken
for the heating, ventilating, plumbing
and electric work. Plans can be se-
cured from the Superintendent of
Schools, Marysville.

Contracts Awarded.

**HOSPITAL POWER PLANT,
MORGUE AND CHAPEL**—1 story.
Class A construction, \$7,879. Stockton,
San Joaquin Co., Cal. Architect, Ralph
P. Morrell, Odd Fellows' Bldg., Stock-
ton. Owners, San Joaquin County. Con-
tractor, Frank Tucker, Stockton. Con-
tract price, \$7,879.

BRIDGES—Steel and reinforced con-
crete. Cost as follows. Oroville, Butte
Co., Cal. Engineer, County Surveyor,
Oroville. Owners, Butte County. Con-
tractor, O. A. Peter, Oroville. Watt's
Slough bridge, \$18,848; Lindo Channel
bridge, \$3,924.

STREET PAVING—\$3,562.24. Stock-
ton, San Joaquin Co., Cal. Engineer,
City Engineer, Stockton. Owners, City
of Stockton. The Federal Construction
Co., Sharon Bldg., S. F., submitted the
lowest bid for paving streets fronting
the North School and will probably be
awarded the contract.

CAST IRON PIPE—\$1,945.38. Wood-
land, Yolo Co., Cal. Engineer, City
Engineer, Woodland. Owners, City of
Woodland. Contractors, American Cast
Iron Pipe Co., S. F. Contract price,
\$1,945.38.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

PIPE WORKS

SANTA FE RAILROAD RESERVATION
bet. O and P Sts and Butler Ave.,
Sacramento. All work for pipe plant
and tile works.

Owner.....Western-Concrete Pipe Co.
Architect...None.
Day's work.

COST, \$1500

STORE AND HALL BUILDING

NW COR. ELEVENTH AND J STS., on E ½ Lot 5 and E ½ of W ½ Lot 5, I, J, 10th and 11th Sts., Sacramento. All work for four-story and basement store and hall building.

Owner.....Native Sons Hall Association.

Architect...Washington J. Miller, 417 Market St., S. F.

Contractor...McGillivray Constr. Co., 717 Capitol National Bank Bldg., Sacramento.

Filed Oct. 14, '16. Dated Sept. 25, '16. COST, not to exceed \$128,100

SCHOOL

ENTERPRISE SCHOOL DISTRICT near Florin. One-story school building.

Owner.....Enterprise School District. Architect...None.

Contractor...W. T. Feagan, 46 Merriam Apartments, Sacramento.

Filed Oct. 13, '16. Dated Oct. 9, '16. COST, \$4520

FINISH FLATS

NO. 315 ELEVENTH ST., Sacramento. Finish off 2 flats of 3 rooms each.

Owner.....Mrs. M. Brown, Sacramento. Architect...None.

Contractor...W. P. Cippa, 314 21st St., Sacramento.

COST, \$1500

NEW FOUNDATION

NO. 422 K ST. (moved from 14th, bet. J and K Sts.), Sacramento. Place one-story frame dwelling on new foundation.

Owner.....Frank S. Herman,

Architect...None.

Day's work. COST, \$600

FRAME STORE

NO. 3306 V ST., Sacramento. One-story frame grocery store.

Owner.....Retta Brown.

Architect...None.

Contractor...S. W. Phillyris.

COST, \$500

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

ROOMING HOUSE

NO. 311 E-ELDORADO ST., Stockton.

All plumbing and plumbing fixtures and electric wiring work for three-story rooming house.

Owner.....Stefano Sanguinetti, 638 N-Ophir St., Stockton.

Architect...Sala & Mayo, Commercial Svcs. Bank Bldg., Stockton.

Contractor...Edward Gnekow, 647 E-Main St., Stockton.

Filed Oct. 7, '16. Dated Oct. 4, '16.

On 3rd day of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$1524

Bond, \$700. Sureties, John Raggio and Ed. F. Harris. Limit, forfeit, none.

Plans and specifications filed.

NOTE:—Cost of plumbing to total, \$1204; cost of electrical work to total \$320.

BANK AND OFFICE BUILDING

SW MAIN AND SAN JOAQUIN STS., Stockton. Electrical work for nine-story Class "A" bank and office bldg.

Owner.....Farmers' & Merchants' Bank, Stockton.

Architect...Geo. W. Kelham, Sharon Bldg., San Francisco.

Contractor...Gould & Johns, S. F.

Filed Oct. 17, '16. Dated Oct. 13, '16.

On 1st and 15th of each month 75%

36 days after..... 25%

TOTAL COST, \$4690

Bond, \$2345. Surety, Maryland Casualty Co. of Baltimore. Limit, Earliest delivery possible. Forfeit, amount that

will sustain owner. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA

BRIDGE—Timber construction. Cost not stated. San Luis Obispo, San Luis Obispo Co., Cal. Engineer, County Surveyor, San Luis Obispo. Owners, San Luis Obispo County. Bids will be received by the Board of Supervisors up to 10 a. m. of November 9 for the construction of a 50-foot wooden truss bridge of one span, with reinforced concrete foundation on wood flooring across Stenner Creek on the Polytechnic School road near the city of San Luis Obispo, and about 1½ miles from the Southern Pacific Railroad station at that point. Plans and specifications are on file at the office of the clerk of the board. Certified check required. F. J. Rodriguez is the clerk.

BRIDGES—Reinforced concrete. Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Until 2 p. m. November 9 bids will be received by the Board of Supervisors for constructing the Telephone road bridge across the Saticoy storm ditch in the town of Saticoy, according to plans and specifications on file in the office of said board and which may be obtained at the office of the County Surveyor. The approximate quantities are 26 cubic yards class A concrete, 39 cubic yards class B concrete, 5,000 pounds reinforcing steel. J. R. McCloskey, County Clerk.

STREET PAVING—\$53,715.75. Chino, San Bernardino Co., Cal. Engineer, City Engineer Paul E. Kressly, Chino. Owners, City of Chino. The California-Arizona Construction Co., Los Angeles, presented the lowest figure at \$53,715.75 for street paving and will be awarded the contract. The next lowest bid was that of George R. Curtis at \$61,904.55.

CHURCH—1 story and base, brick, \$60,000. Whittier, Los Angeles Co., Cal. Architect, H. M. Patterson, O. T. Johnson Bldg., L. A. Owners, Friends Church of Whittier. Location, Philadelphia and Washington streets, covering an area of 96 by 125 feet. Will contain main auditorium and Sunday school rooms. Plans are complete and figures being taken.

JAIL CELLS—Steel. Cost not stated. Fillmore, Ventura Co., Cal. Architect, Albert C. Martin, Higgins Bldg., L. A. Owners, Ventura County. Bids will be opened on November 10th for a steel cell cage. Plans can be secured from the County Clerk or from the architect.

WAREHOUSE—5 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, John Parkinson, Title Insurance Bldg., L. A. Owners, Joannes Bros. Co. Location, southeast Hewitt and Tractor streets. Will cover a large area. Plans complete and figures being taken.

HOSPITAL—1 and 2 story, reinforced concrete. Cost as follows. San Bernardino, San Bernardino Co., Cal. Architect, Lyman Farwell, Story Bldg., L. A. Owners, San Bernardino County. The P. O. Engstrom Co., Fifth and Seaton streets, L. A., was lowest bidder at \$89,997 (and \$83,259 omitting east wing) on the general contract for the erection of the reinforced concrete county hospital buildings. Howe Bros.,

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

98 San Pedro street, L. A., will probably be awarded the plumbing contract; Hunt Engineering Co. or Howers, the steam heating and machinery contract, and Field Electric Co. of San Bernardino the electric work, their bid including fixtures not offered by F. E. Jewberry Electric Co., it is reported. Contracts will probably be awarded on the basis of omitting the east wing, which will bring the total cost to about \$13,648.

CAR BARN—1 story, steel and brick, \$95,000. Echandia, Los Angeles, Cal. Architect, M. C. Halsey, Pacific Electric Bldg., L. A. Owners, Pacific Electric Railway Co. Location, Echandia Junction and Watts, covering an area of 65 by 385 feet. Plans for considerable other work are also being prepared.

DRAINAGE WORK—\$84,936, Los Angeles, Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. James Kennedy, Washington Bldg., L. A., submitted the low bid for improvement work in Drainage District No. 1. He will probably be awarded the contract.

HIGHWAY IMPROVEMENT—Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Highway Commission, Ventura. Owners, Ventura County. Bids will be received by the Board of Supervisors up to 11 a. m. of November 8th for improving Division 1, Ventura to Santa Paula (11.1 miles), by adding and paving with concrete 16 feet wide and 4 inches thick, and constructing culverts. Plans and specifications, etc., may be obtained at the office of the Highway Commission upon deposit of \$3.

STREET IMPROVEMENTS—Cost not stated. Watts, Los Angeles Co., Cal. Engineer, City Engineer, Watts. Owners, City of Watts. Bids will be received by the City Clerk up to 5 p. m.

November 14, 1916, for improving inland avenue, between Success avenue and Compton avenue. Will include 10,000 square feet of oil bound rock macadam paving, 1,460 linear feet of curb and 7,360 square feet of cement sidewalk. For improving Queen avenue, between Success avenue and Compton avenue. Work will include 10,000 square feet of oil bound rock macadam paving, 1,520 feet of curb and 7,500 square feet of cement sidewalks. For improving Ann street between Sunland avenue and Queen avenue. Work will include 15,750 square feet of oil bound rock macadam paving, 1,500 linear feet of cement curbs, and 1,500 square feet of cement sidewalk. For improving Wall street between Sunland avenue and Queen avenue. Work will include 15,360 square feet of oil bound rock macadam paving, 1,400 linear feet of cement curb, and 5,000 square feet of cement sidewalk. In accordance with plans and specifications which may be obtained at the office of the City Engineer. Certified check or bond for 10 per cent is required. Virgil R. Franklin is the City Clerk.

THEATRE AND OFFICES—Class A construction, \$600,000. Los Angeles, Cal. Architect, Albert S. Martin, Highways Bldg., L. A. Owners, Stability Building Co. Location, southwest corner of Broadway, covering an area 120 by 198 feet. The major portion

of the building will be occupied by the theatre and the balance given over to stores and offices. Plans for the structural steel work are now being figured.

HIGHWAY CONSTRUCTION—\$62,000. Tucson, Ariz. Engineer, County Surveyor, Tucson. Owners, Pima County. Contractors, Aubrey Investment Co., Prescott. Contract price, \$62,000.

Contracts Awarded.

ROAD IMPROVEMENT—\$52,112.61. Los Angeles, Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Contractors, S. C. Contracting Co., Title Insurance Bldg., L. A. Contract price, \$52,112.61.

SEATTLE AND WASHINGTON

SCHOOL ADDITION—2 story and base, brick, \$16,000. Seattle, Wash. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. A two-story addition will be made to the Fawcett School. Plans are complete and figures will be called for at once.

SCHOOL ADDITION—2 story and base, brick, \$75,000. Seattle, Wash. Architect, Edgar Blair, 901 7th avenue, Seattle. Owners, City of Seattle. This addition, to be made to the J. B. Allen School, will contain twelve class rooms and an auditorium. Plans are nearly complete and bids will be called for shortly.

CONSTRUCTION WORK ABROAD.

SIAM.

Construction of Bridges, Railways, etc. BANGKOK, Aug. 17.—The Siamese budget estimates for the fiscal year 1916-17 provide \$148,000 for the construction of bridges and roads in the Provinces, the intention being to facilitate a freer movement of merchandise within the Kingdom, and to increase the traffic of goods and passengers on the new railways.

waterways, including destruction of the "Java weed" the sum of \$296,000 has been set aside.

The amount allotted by Siam's budget for the construction of the southern railway extension for the current year is \$2,326,930, a reduction of \$625,670, as compared with the grant for last year, the reduction being mainly due to the fact that nearly all the requirements for rails and steelwork for bridges have been completed, but the allotment for the branch lines of this railway, however, shows an advance of \$217,190 over last year, or a total of \$254,190. The branch lines were nearly completed last year, but were seriously damaged, owing to heavy floods during the latter months of the year, and hence the increased appropriation, which also includes the first grant of about \$148,000 for the construction of a new terminus for the southern line which is estimated to cost about \$370,000.

For the northern railway extension the sum of \$1,332,000 is allotted, and for the completion of the new royal audience hall the sum of \$129,500 has been set aside.

Appropriations for Irrigation Purposes.

The total provision for irrigation purposes during the current year amounts to \$1,291,844, \$736,844 more than last year. This is an initial ap-

propriation for the "Prasak" irrigation scheme for the estimated cost of which \$4,403,000 has been sanctioned, while a more extensive system of irrigation, involving an outlay within six years of about \$9,000,000, still remains under consideration.

C. Jorgensen & Co. Move.

Growing Firm Take New and Larger Quarters in the Crossley Building, Mission and New Montgomery

C. Jorgensen & Co., located for many years at 356 Market street, announce the removal of their offices to Rooms 19 and 20 Crossley Bldg., corner of New Montgomery and Mission streets. The new office suite has been handsomely furnished and presents a most attractive appearance.

C. Jorgensen & Co. carry one of the most extensive lines of general building materials of any firm in the city, and enjoy a large and growing trade, both local and country.

CHANGES IN SHIPPING ON THE PACIFIC.

Uncertainty characterizes shipping affairs along the Asiatic coast and in the trans-Pacific trade at present, as a result of changing conditions. There has been a reaction from the great boom in trans-Pacific business which had developed within the past year and a half. The high price of silver has tended to stop exports from the south China markets, while general business conditions have caused a diminution in imports.

The decrease in tonnage moving naturally led to a sharp decline in trans-Pacific freights. By decision of the trans-Pacific conference lines, however, freight rates from October on are to be quoted approximately at the level that has been obtained during the past year—on the basis of \$12 per ton for rice. The rates are now open and competitive, and the rate on rice—the basis for trans-Pacific business going east—is around \$8 per ton.

Talk of Possible Change by Japanese Lines.

While the conditions in the freight market that have prevailed in the past few weeks apparently are to be overcome in the fall trade, there are several features of the general situation which also are to be considered by American importers and exporters. Shipping circles here consider it possible that with the resumption of a strong demand for cargo space anticipated in the fall, the subsidized Japanese tonnage may be withdrawn from the China and other non-Japanese ports, and that no freight space will be offered Hongkong, Shanghai, or Manila shippers on Japanese trans-Pacific vessels. This would be likely

PLUMBERS WILL REVISE BY-LAWS.

WASHINGTON, D. C.—The Department of Justice has been advised that the Association of Master Plumbers, which has been under attack as in violation of the Sherman law, have passed a resolution by which the entire plan of operation and by-laws of the organization are to be revised to meet the government's criticisms.

to make a material difference in the situation in some lines of trade. Already Japanese ports have the first call on peace in Japanese steamers, but as a rule some outside freight has been carried.

Rates to and from Europe have held up much more stiffly all along than those to and from the United States. One explanation lies in the uncertainty of tonnage for Europe.

DRAINING THE ZUIDER ZEE.

After being discussed pro and con through many columns of periodicals and hundreds of pages of books and pamphlets during three-quarters of a century, the proposition to drain the Zuider Zee has finally reached the form of a bill introduced into the Second Chamber of the Netherlands Parliament on September 9.

The bill provides for a dam across the upper part of the Zuider Zee, extending from the Province of North Holland, over the Amsteldiep (a narrow strait), to the island of Wieringen and thence to the Friesland coast at the town of Piaam, in a northeasterly direction. Including the island, the total length of the dam would be about 24 miles; excluding the island, about 19 miles of dam actually to be constructed. A lake of 882,000 acres in area would be formed, of which, it is understood, about 500,000 acres would be drained, leaving the remainder as a lake in the midst of the redeemed arable land.

As numerous fisher folk depend upon the Zuider Zee for their livelihood, the bill now introduced contemplates indemnity for such injury as they may suffer. The bill also takes account of possible damage to shipping and other interests.

Cost of Project—Will Take Fifteen Years to Complete.

It is estimated that the full execution of the project will require 15 years and will cost \$44,220,000, of which two-thirds would be for the dam and auxiliary works and one-third for the draining. In addition, would be works and measures of a protective nature, following the draining, the cost whereof, as estimated, would swell the grand total to approximately \$90,000,000, subject of another bill to be introduced in the Parliament.

When work on the project will begin is not yet known, but it will be decided as the bill progresses through the Parliament. Long discussion and consideration is expected. Many interests which will be affected must be taken into account. Among them are the canals of Amsterdam, which are flushed and freshened by water pumped from the Zuider Zee, and provision therefor must be arranged.

It is calculated that the dam will be completed in the ninth year of work on the project. In the fourth year work will begin on dikes for the area to be reclaimed. Just how the draining will be done does not appear in the published details of the project.

PAPER MILLS TO USE NEW WOODS.

WASHINGTON—As the result of studies which have been made at the Forest Products Laboratory on methods

of handling wood chips suitable for paper pulp, it is announced that Wisconsin paper companies are now negotiating with the railroads for shipment to their factories of experimental train loads of chips of western woods adapted to paper making.

Previous investigations by the Forest Service have demonstrated that good grades of paper can be made from a number of western woods. The experts now estimate that some of these woods, when cut into chips and dried and baled, can be delivered to the mills in Wisconsin at a very small advance over the cost of chips made from local timber. If a favorable freight rate can be obtained, they say, the great quantity of pulpwood on the National Forests should prove to be a considerable factor in supplying favorable located paper mills with the necessary raw material. In Wisconsin alone, it is stated, there is an annual market for over 300,000 cords of pulpwood.

WANTS METAL BRUSHES.

F. W. Seager, Central Garage, Porterville, Cal., has requested the San Francisco Chamber of Commerce to place him in touch with dealers in metal brushes.

ENGINEER TELLS OF ROAD BUILDING.

SAN JOSE, Cal.—Technical points about the construction of the State highway roads and the necessity for good roads, were the main divisions of the speech made at the weekly luncheon of the San Jose chamber of commerce by Arthur E. Loder, division engineer of the State highway commission.

Seventy business men were in attendance. The chairman, Dr. W. C. Bailey, first introduced John D. Kuster, president of the Rotary Club, who spoke on the new course in salesmanship about to be offered here.

Loder dealt largely with facts and figures. He said that what was left of the \$18,000,000 bond issue would be used up this year; that so far, under that issue, 129 miles of macadam, 933 miles of concrete, 22 miles of asphalt and 395 miles of graded roads had been completed, or a total of 1490 miles. In addition, 860 miles of road had been surveyed, making in all 2350 miles of State highway, completed or surveyed, for the \$18,000,000 expended.

The speaker explained that, according to the unprejudiced report of the California State Automobile Association, the average cost of excavating for all classes of road constructed under the bond, had been 41c a cubic yard, and that the overhead expenses had been 12 1/2 per cent of the gross construction cost.

He said that the building of the great highway system under the bond had given California contractors a good training. At the start they had not known the best kind of materials, using gravel concrete, which sooner or later crumbled under heavy wear. Finally he urged that the new bond be supported, for \$12,000,000 of it was but for the completion of what was contemplated under the other bond.

COSTS \$13 A MINUTE TO RUN RAILROAD.

ST. PAUL, Minn.—It costs \$133.23 a minute to operate the Northern Pacific railroad. These figures were given up by the railroad. The cost of operating the road's 6,000 miles of track is \$148,780 daily, but this does not include the \$19,757 daily spent for permanent improvements. Annually the road spends \$7,225,905 for betterments.

SEATTLE MAN FINALLY GETS GRAFT FRANCHISE.

SEATTLE, Wash.—By passing over the mayor's veto the Bremerton City Council has finally given the franchise for the construction of a gas plant there to E. L. Blaine, of the Graft Construction Co., Seattle, who will invest over \$150,000 in a new plant at once. Practically all service mains were laid by a former company.

Important constructive legislation that will establish guide lines for the future development of California cities will be recommended at the next session of the State Legislature. This program determined on by the third California conference on city planning, which has just concluded its session at Visalia.

The conference unanimously decided to recommend the following legislative measures:

Extension of the state housing laws to include a more comprehensive and stringent tenement house act for the regulation of all types of dwellings.

Establishment of a bureau, under some existing commission similar in function to the work of the Massachusetts Homestead Commission, to supply information and encouragement to all the city planning commissions of the state.

Submission at the next general election of a constitutional amendment for the public acquisition power (sometimes called excess condemnation power.)

Passage of an act further strengthening the power of cities to restrict the building of flats and tenements in the single family residence districts.

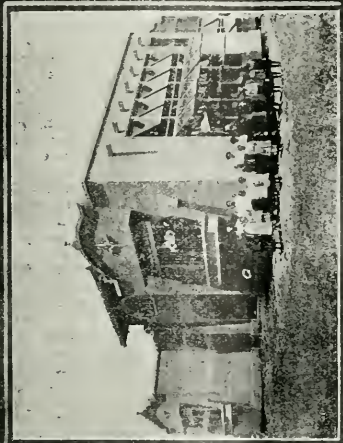
Passage of an act permitting cities to establish building setback lines, making for wider streets and parking area.

Redistricting Big Problem.

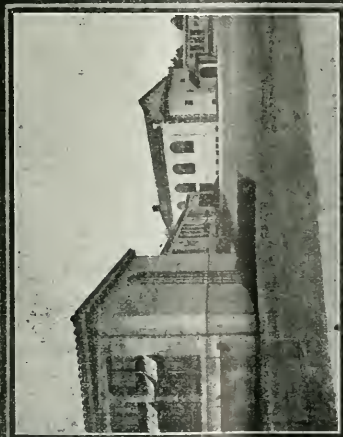
Charles Henry Cheney, architect and city planner, secretary of the conference, who returned to San Francisco recently, said:

The foremost problem of all the cities seemed to be the question of zoning or redistricting; the general desire to provide a plan for protecting homes from the intrusion of apartment houses, flats and business, nuisances and industries, such as is established by the new Berkeley zone ordinance.

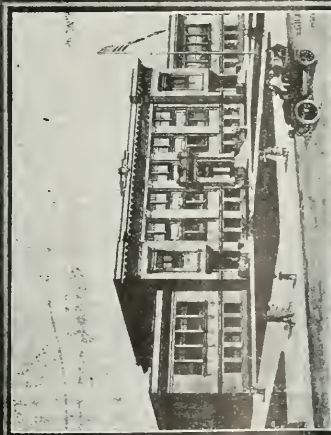
Chester H. Rowell of Fresno, emphasized as the first necessity of city planning the granting of wider public land acquisition powers by the Legislature; second, the adoption of well thought out redistricting plans, and, third, a system of extension of city limits for future growth by some plan like that used



COLLEGE PARK SCHOOL - SAN JOSE. - Frank D Wolfe Architect



ROCK RIDGE SCHOOL, OAKLAND. - J.J.Donovan Supervising Arc.



WOODLAND SCHOOL - W.H.Weeks Architect



INTERIOR VIEW-MICHESNEY SCHOOL - J.J.Donovan Supervising Arc.

Equipped with **SIMPLEX WINDOWS** 525 Market St., S. F.

Send for Catalog. Agents wanted for unoccupied territory.

change the character of Fifth avenue, making it less desirable for retail shops. At the same time, a great amount of upstairs floor space farther down town, which the garment trades had occupied, would be left tenantless.

Fortunately the Fifth avenue shopkeepers were extensive patrons of the garment makers and the threat of an extensive boycott seems to have stopped the movement. But such means of stopping similar disturbing movements are not usually available. Whenever a skyscraper is built many offices in more modest and aged structures are left vacant—permanently vacant in some cases. Then a still loftier skyscraper blankets one side of the first tall building, cutting off its light and air, and that side is relegated to dust and cockroaches.

From a big city, which has registered an important growth at every census period for two generations and is still growing at the accustomed rate, we hear complaints that never before was there so great an amount of vacant space in the wholesale district.

A good many expanding concerns have moved out where the ground for their growing needs can be got cheaper. In two or three huge mail-order houses is now concentrated the business that was formerly handled by hundreds of jobbers. The city's restless squirming has left many empty places in what, by its location, should be a very busy district. How residential sections all round the city map are overrun, and entirely change their character, is well known.

Perhaps in time the growth of a city will be made to conform to some carefully thought-out, settled, comprehensive plan. There seems no particular reason why it should not be, and the advantages are obvious.—Saturday Evening Post.

THE ENGINEER'S PLACE IN ROAD WORK.

(By W. S. Keller, State Highway Engineer of Alabama.)

Despite the fact that a majority of county commissioners or district supervisors have had no training whatever in road building, they will concede to no one that they are not as well qualified to direct road work as any engineer they can employ. They will often admit that an engineer should locate and stake out a road, but they think his duty ends there. It is just as necessary that an engineer should supervise construction work as it is that he should locate the road. How many commissioners can tell how much it costs to move a yard of earth, or how much it costs to install pipe culverts, or how much a cubic yard the concrete in their culverts is costing them?

The commissioners of a certain county in Alabama claimed that they were building roads as cheaply or more cheaply than any contractor could do the work. They had an engineer estimate the cubic yards of earth moved during a certain period of time and to their surprise it was costing 37½ cents per cubic yard, when the average contract price in Alabama for three years had been 23 cents. Authorities should know whether they are getting full value for their money. Many counties are imposed upon in the purchase of materials and

supplies, and are paying more for them in large quantities than individuals are paying for them in small quantities.

The remedy for these ills is to have some one in charge of road building qualified by education and training and free from political influences, who can be held responsible for results. Very few counties have commissioners or supervisors who devote all of their time and attention to their office, and it is self-evident that an engineer trained in roadbuilding will get better results than can any set of men who give only a few days in the year to their public office.

An engineer is indispensable even though a good superintendent directs the work. A large proportion of all roads to be constructed require relocation, profiles of them must be made, grades established, and, if the work is done by contract, the road must be cross-sectioned, and the amount of excavation and embankment calculated and made to balance as nearly as possible. No one but an engineer can do such work, and the man who does it is manifestly best fitted to supervise the construction. The average road supervisor is usually ignorant of the methods of accounting correctly for large expenditures and unable to keep cost accounts of the work.

Many county commissioners can see only the engineer's salary, to be paid twelve times a year, with the inevitable consequence that there will be quite a decrease in the number of days for which they can legitimately demand pay for laying aside their personal work and superintending the building or repair of roads in their respective districts. They regard the engineer as a usurper, taking away the salary of those guardians of the people's rights who are so anxious to save money for the people that they vote against the \$200 per month needed for an engineer's salary and spend \$500 per month in trying to do his work.

A case of this kind came to my attention in Alabama. A competent man in the employ of a county was discharged by the commissioner of the district in which he had been working. The commissioner gave as a reason for this action that he himself could look after the teams and hands and thereby save the county a considerable sum per month. This discharged man resented this action and kept a record of the commissioner's methods. The following occurrence is typical of them. One day the commissioner drove seven miles to a small bridge where he contracted with a man to repair the structure for \$1.50. A few days later he returned to the bridge site to inspect the work. He charged \$3.00 a day for his time, or \$6 for his services on a \$1.50 job. While he was certainly entitled to pay for his time, it is manifestly not good business to do work in that way, as compared with handling it at a nominal expense, and an incident in connection with other work, which is the way such repairs are attended to under the direction of an experienced road official.

On the other hand, it must be acknowledged that the most expensive man on road work is a fool engineer. He is responsible to a very great extent for the prejudice many have against engineering supervision of

road construction. But there is no excuse for a county employing an incompetent man. An engineer applying for a position should be endorsed by those for whom he has worked and by men competent to pass judgment on engineering work. An engineer with only a good character will build roads

"SAFETY FIRST" PRINCIPLE DATE BACK MANY YEARS.

The practical application of the "Safety First" principle on the Southern Pacific, dates back as far as the days of the construction of the Central Pacific. At that time a treaty was entered into between the railroad company and the various tribes of Indian under the terms of which the red men even when on the war path, rigorously abstained from molesting the passengers or employees. The attention of the United States Senate was called to this in 1888, when Attorney Creed Haymon referred to it in an argument before the Senate Committee on Pacific Railroads in the following language:

"The situation in like respect was no less dangerous between the Sierra and Ogden. That country was infested with hostile Indian tribes, constantly at war with the whites. While this danger existed and had to be met, it was not by force of arms, but by a treaty made between the Central Pacific Company and the Indian tribes between the Sierra and Ogden, which has on both sides been most faithfully kept from that day to this.

"Many times since the construction of the road these tribes have been at war with the United States. In no single instance have they violated that solemn treaty or injured a man connected with the railroad or a passenger borne upon its trains. The influence of the treaty was felt long years afterward, and still is felt, on the Southern Pacific Railroad lines.

"The same obligation was impliedly entered into between the Apache Indians, the wildest tribe known to the continent, and to the railroad company. Although that tribe has carried murder and arson over the territories of New Mexico and Arizona and the northern states of Mexico, in no single instance has it interfered with the trains of the Southern Pacific, its passengers or section men, though repeatedly war parties have crossed and recrossed the track."

Even to this day, under the terms of a treaty with the Pah-Utes made in 1882, members of that tribe are entitled to free transportation in the state of Nevada.

\$22,000,000 INCREASE IN NEVADA VALUATION.

CARSON CITY (Nev.)—The Nevada Tax Commission, after certifying to the tax returns from the various counties of Nevada, states that the total assessment valuation of property in the State is \$174,000,000, as against \$152,000,000 in 1915, an increase of \$22,000,000.

FUNDS NEEDED FOR DISTRICT.

TRACY—The land owners of the West Side Irrigation District have presented a petition to the directors asking for a bond election to raise \$195,000 to be used for the construction of ditches, pumping plant, etc., for the district.

in German cities for condemning contiguous farm lands.

Duncan McDuffie of the Berkeley Civic Art Commission, outlined a plan of organization for an effective city planning commission.

Charles P. Stern of the State Highway Commission pointed out that motor vehicle traffic is breaking down all city limits, pushing the city far out into the country and thereby increasing enormously the demand for city planning.

Officers Are Elected.

The following officers were elected: President, F. C. Wheeler, Los Angeles; vice president, Duncan McDuffie, Berkeley; vice president, T. H. Reed, San Jose; secretary-treasurer, Charles Henry Cheney, San Francisco.

FORMER SECRETARY OF WAR FOR NATIONAL MILITARY TRAINING,

condemns Volunteer System. Says National Guard Inadequate.

Hon. Elihu Root, at the request of the association for National Service, makes distinct contribution to the literature on National Military Training and National Service in the following interview:

The Association is conducting a nationwide campaign for an expression of public opinion on the adoption of a system of military and naval training for the youth of the Nation. The question is being submitted through the daily press by means of the subjoined bill form.

After praising the patriotic endeavor of the Association, and the educational campaign which it is prosecuting, Mr. Root says:

Spirit of National Service Needed.

"We certainly need the spirit of National Service in our country. It is a mistake to suppose that a people can have good government, peace, order, and progress for any long period without any effort on their part. We in the United States need to have our patriotism awakened, throw off our indifference, and think more of our duties as well as of our rights. Every one who is fit to be a citizen of a free country ought to be willing to serve his country, when called upon, in accordance with his ability. The young men who are physically fit for military duty should hold themselves ready to fight for their country if need be, and if they are not ready when the need comes they will not long have any country, and they will not deserve to have any. The vast change in the way of carrying on war which has occurred within a very few years has created a situation in which it is perfectly plain that a country can be ready to defend her independence against foreign aggression except by universal military training and a resulting universal readiness for military service. The old way of waiting until war came and then calling for volunteers has become obsolete and is no longer effective.

"The national guard system is not adequate and can not be made adequate to meet the needs of national defense under any real assault upon our rights. It is impossible to have an effective body of soldiers who serve to masters and are raised and organized to accomplish two different purposes.

"Universal training and readiness for service are not only demanded by plain common sense, but they are essentially democratic. They were required by law during the early years of our republic, for every male citizen between the ages of eighteen and forty-five was required to be ready to fight for his country and was required to be trained and provided with arms in accordance with the simple needs of warfare in those days.

"It is only necessary now to apply the principles and requirements of the national law of 1793, adapted to present conditions."

(Issued by the Association for National Service.)

FOR ROADS AND BRIDGES.

Although the various states and their counties are now expending close to three hundred million dollars a year in improving their rural highways and building bridges, an increase of more than two hundred and fifty per cent in the last decade, only about 11 per cent of the country's highways have been improved with some form of surfacing. According to statistics recently compiled by the office of public roads and rural engineering of the U. S. Department of Agriculture, the total length of public roads in the United States, outside of incorporated towns and cities, is about 2,452,000 miles, of which only about 277,000 miles, or 11.3 per cent, are surfaced.

The mileage of surfaced roads has been increasing at the rate of about 16,000 miles a year and in 1915 approximately one-half of this increase was made under the supervision of state highway departments, which in addition supervised the maintenance of nearly 52,000 miles of main and trunk line roads.

The increase in expenditures for road and bridge work in the United States has been from approximately \$80,000,000 per year in 1904 to about \$282,000,000 in 1915, an increase of more than 250 per cent. The expenditure of state funds during this same period increased from about \$2,550,000 to more than \$53,000,000. In addition, more than \$27,000,000 of local funds was spent under state supervision in 1915, bringing the total road and bridge expenditures managed by the states to \$8,514,699. This amount is greater than the total expenditures for roads and bridges from all sources in 1904.

The growth in importance of the state highway departments has been rapid. The first of these agencies was created in 1891 in New Jersey and now some form of highway department exists in every state except Indiana, South Carolina and Texas. Since their inception these departments had expended to January 1, 1916, an aggregate of \$263,350,825 in state funds for road and bridge construction, maintenance and administration. They had constructed over 50,000 miles of roads in co-operation with the states. More than 40,000 miles of these roads were surfaced.

The falling off in the value of road work performed by statute and convict labor was from \$20,000,000 in 1904 when the total road expenditures were \$80,000,000, to about \$15,000,000 in 1915 when the total expenditures had grown to \$282,000,000. This was a reduction from 25 per cent of the total in the

former year to less than 5 1/2 per cent of the total in 1915.

An increase in the use of better and more expensive types of roads also is shown by the recently compiled statistics. This development has been due, in large part, to the great increase in automobile traffic. It is estimated that there are now approximately two and a half million automobiles in use on the roads of the country, or one car for every mile of road. This present motor traffic is in excess of traffic of all sorts twelve years ago.

The cash road and bridge expenditures of the United States averaged only \$28 per mile of rural roads in 1904. In 1915 this average had grown to \$109 per mile. New Jersey led all other states both in 1904 and in 1915 with \$221 and \$475 per mile respectively. Nevada made the least expenditure in both years—\$3.72 per mile in 1904 and \$17 per mile in 1915.

BARYTES AND STRONTIUM.

The Geological Survey, Department of the Interior, now has available for distribution its annual statement on Barytes and Strontium in 1915.

NEVADA FALLS IN LINE FOR GOOD ROADS.

The citizens of Nevada interested in the good roads agitation will vote for a constitutional amendment in the coming election which would increase the borrowing powers of the state from \$600,000 to \$1,750,000. If the amendment carries, the next legislature will be asked for a comprehensive good roads bill creating a state highway commission, a state highway appropriation of \$1,000,000, and directing the highway commission to supplement county road appropriations with money from the state road fund for road work of permanent character when such work is part of the state road system. The state law will not conflict with the recent federal act appropriating \$75,000,000 for road work in the various states. The transcontinental routes traversing the state will receive the first attention of the commission.

TO NAVIGATE WESTERN CANAL.

OROVILLE—That water transportation from Oroville to San Francisco via the Western Canal is a certainty within the next few years, is the statement of L. M. Culver, a prominent figure in the rice industry. The company has announced its intentions of placing barges upon the western unit of its canal. The unit will be built to the full width of 150 feet. The plan of the company is to widen the eastern units of the canal to this width. When this is done the barge system will be operated throughout the canal.

THE SHIFTING OF BUSINESS IN THE AMERICAN CITIES.

The typical big American city not only grows but squirms restlessly round in its shell, which causes much inconvenience. Recently, for example, New York woke to the significance of the fact that the garment trades were overflowing the Fifth avenue shopping district. Those trades occupy a great amount of upstairs floor space and employ hundreds of thousands of operatives. Their coming would inevitably

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

MODESTO MAY GET IMMENSE FACTORY.

MODESTO, Cal.—A combined vegetable canning factory and a can manufacturing plant, estimated in investment at more than \$300,000, was the offering made to Modesto through the Chamber of Commerce by A. C. Harvey, president of the Southern California Canning Company of Ontario. The factory plans and the requirement of co-operation by the Chamber of Commerce were outlined at a meeting of the chamber by Harvey, and the industrial committee of the boost body was authorized to assist in the selection of a site suitable for the enterprise. The plant will require ten acres, and this the Chamber of Commerce expects to be able to donate to the company to secure the factory. The plant will employ 1000 people during the canning season. The committee appointed to assist Harvey consists of C. D. Swan, president of the Union Savings Bank; C. J. Wisecarver and T. K. Beard, the latter two both extensive land holders in this vicinity.

ZINC IN CALIFORNIA AND OREGON, 1915.

The annual statement on Gold, Silver, Copper, Lead, and Zinc in California and Oregon, issued by the Geological Survey, Department of the Interior, is now available for distribution for 1915.

FAST ELECTRIC TRAIN TO SACRAMENTO

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jet, Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland, Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jet, Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

* Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 3711.

STOP Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VALUE. TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

To the Building and Engineering News 560 Mission Street, San Francisco

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Cut this out and mail to-day

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 44.

Publication Office,
540 Mission St.

San Francisco, Cal., November 1, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "

for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

PYROPHOR is a
Tool Steel which

is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Sutter 5231

Member
Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE
68 POST STREET

Foxcroft Building

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers
Complete Kitchen and Bakery Outfits

830-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2007
Oakland, Oakland 8941

THE
Safe Deposit Vaults
of the
BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and Octavia

SAN FRANCISCO, CAL.

Better than an extra shelf



in the bathroom is the Konveno Tank. It's top is so constructed that it can be used as an extra shelf upon which to stand those toilet articles that are in constant use.

The Konveno Tank is a beautiful tank made of vitreous china, white all the way through and will not tarnish or stain.

It is made in three designs to fit the syphon jet, reverse trap and washdown bowls.

Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.

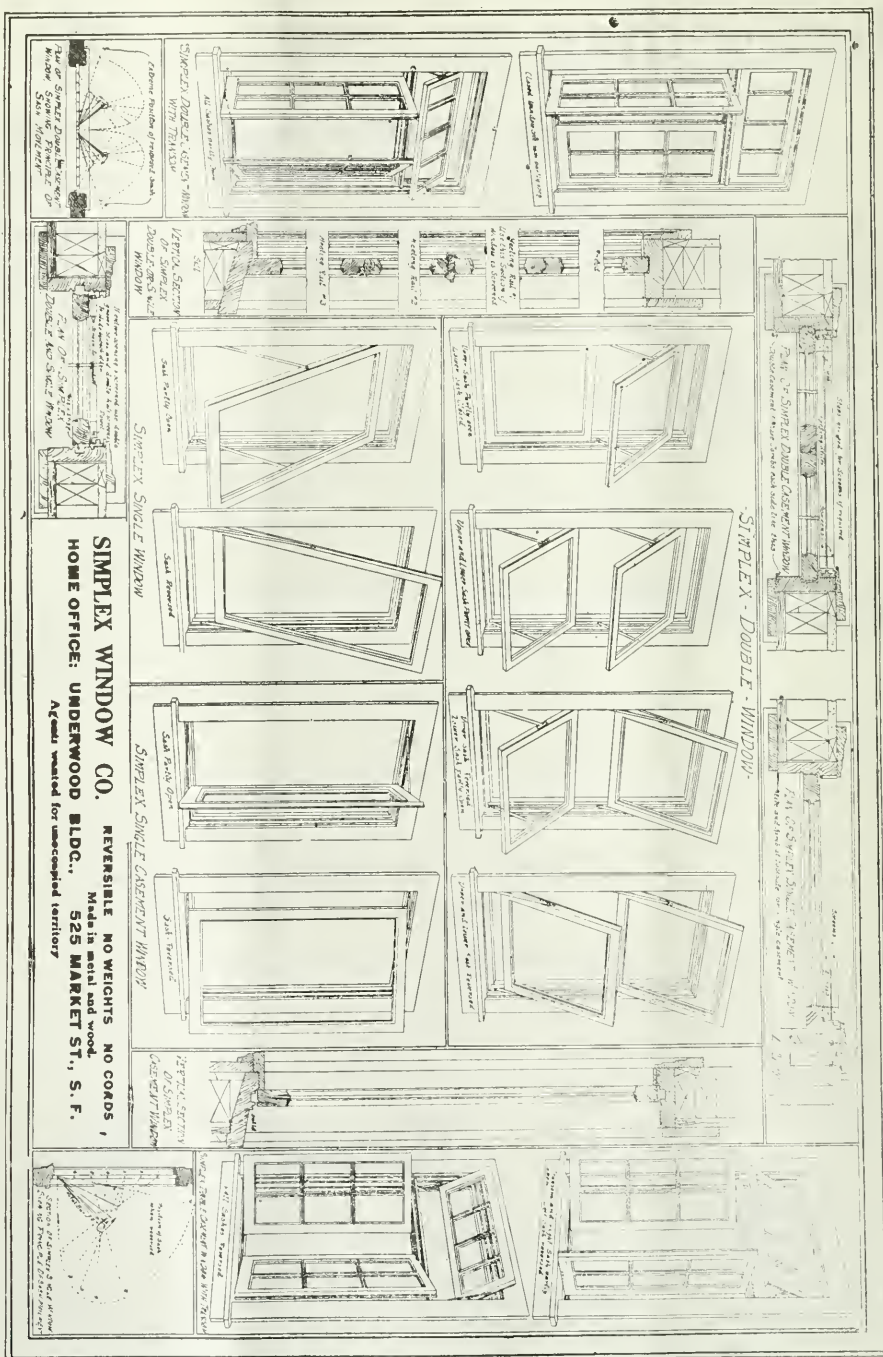
"Pacific"



Plumbing Fixtures

Main Offices and Showroom,
67 New Montgomery St.
San Francisco, Cal.

Factories,
Richmond
California.



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. November 1, 1916

Sixteenth Year, No. 44



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
550 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	1
Apartment Houses	4
Barracks	4
Bath Houses	1
Bonds	1
Bridges, Dams and Harbor Work	4-5
Churches	5
Court Houses	5
Editorial Comment	5
Factories and Warehouses	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	26-27
Garages	5
Government Work and Supplies	5
Hospitals	5
Hotels	5-6
Irrigation and Reclamation Projects	6
Libraries	6
Los Angeles and Southern California	20
Marin, Contra Costa and Sonoma Counties	21-25
Oakland and Alameda County	19-20-21-22-23
Portland and Oregon	20
Post Offices	6
Power Plants and Water Systems	6
Railroad Construction, Stations and Equipment	6
Residences	4-5
Sacramento, Stockton and Northern California	27-28
San Francisco	11-12-13
	11-15-16-17-18-19
San Jose and the Santa Clara Valley	23-24
Schools	7
Sentinel Proposals	9-10
Seattle and Washington	25
Sewers and Street Work	8-9
Stores and Offices	9
Theatres	9

LASSEN PEAK IS NOT MOUNT LASSEN.

The press dispatches describing the latest eruptions of Lassen Peak show a continued tendency to refer to the volcano as Mount Lassen. Perhaps it is thought that the name should correspond with those of some other famous peaks of the Cascade Range, such as Mount Shasta or Mount Rainier. But Lassen Peak, as the most active and interesting volcano in the United States, is especially entitled to be called by its own name, and acts of Congress and Presidential proclamations in creating and recognizing the Lassen Peak National Forest and Lassen Peak National Monument have given the name Lassen Peak a status of high rank in the geologic annals of the Cascade Range. The area has recently been set apart as the Lassen Volcanic National Park.

The name Lassen Peak, according to the United States Geological Survey, Department of the Interior, is the only authorized form on maps, reports, and gazetteers, from the Whitney Geological Survey of California, in 1869, to the Geomorphologic map of California and Nevada published by the Earthquake Investigation Commission, as well as on the latest map issued by the Forest Service.

Peter Lassen, the sturdy pioneer who guided many an early settler to the sunny lands of the Sacramento, lies buried in a lonely grave in Lassen County. A small, crumbling monument 30 miles from the peak marks his final resting place, but his greater and more enduring monuments are the county and peak named in his honor by a grateful people. The snow-capped Lassen Peak has piloted many an immigrant to the mountain pass.

In the early days of the Pacific Railroad surveys some pious monk called the peak St. Joseph's Mountain, but the names Lassen's Peak and Lassen's Butte soon came into general use. Whitney has shown the inappropriateness of the French term butte, which, translated exactly, means knoll. As Lassen never owned the mountain, in later years the possessive form of the name was dropped, and to correct an illicit tendency to wander from well-established usage the United States Geographic Board, in its decision of October 9, 1915, officially recognized the fact that the name of the mountain was Lassen Peak, not Mount Lassen.

PAPER ALMOST GONE IN GERMANY.

WASHINGTON, D. C.—Word has been received here that owing to the scarcity of print paper in Germany and the consequent high prices, many of the smaller papers throughout the empire have found it necessary to suspend publication, temporarily at least, while other papers have greatly re-

duced their output and number of pages.

The newspaper publishers of Wurttemberg called a special session to consider the situation and have passed resolutions calling upon the government to place a fixed price on print paper in order to protect the smaller newspapers.

In Austria the government has already taken hold of the matter, dividing papers into first and second-class and limiting them to a certain number of pages each day, and also fixing the price at which they can be sold.

In this manner it is hoped to prevent any further shortage, for no matter what exigencies arise, newspapers cannot publish any more pages.

DO YOU KNOW THAT

A recent investigation made by the U. S. Public Health Service in connection with studies of rural school children showed that 49.3 per cent had defective teeth, 21.1 per cent had two or more missing teeth, and only 16.9 per cent had had dental attention. Over 11 per cent never used a tooth brush, 58.2 per cent used one occasionally and only 27.4 per cent used one daily. Defective teeth reduce physical efficiency. Dirty, suppurating, snaggle-toothed mouths are responsible for many cases of heart disease, rheumatism, and other chronic affections. The children are not responsible for the neglected state of their teeth. The ignorant and careless parent is to blame for this condition—a condition which hampers mental and physical growth and puts a permanent handicap on our future citizens. School teachers can and are doing much in inculcating habits of personal cleanliness on the rural school child but this will fail of the highest accomplishment unless parents co-operate heartily and continuously. This is a duty which we owe our children.

CANNERY TO BE BUILT ON HUENEME BEACH.

ONNARD, Cal.—A \$50,000 tuna canning factory is to be erected at Huene-me on a 17-acre tract north of the light house just bought for \$7500 by S. B. McCloskey and John Tweedale of Wilmington from J. A. Driffield and John Burson. The fish cannery will employ from 100 to 150 people.

HUNT FOR OIL IN MADERA.

CLOVIS, Cal.—A second test-well is now being sunk near Clovis by several capitalists who are interested in oil. The drilling is being done on a royalty basis. The location of both wells was found by means of an electro-meter, an instrument invented by a Los Angeles man for finding oil locations.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

RICHMOND, CONTRA COSTA CO., CAL.—Apartment house and stores, 3-story and base, brick and steel, \$45,000. Architect, James T. Nabrett, 910 Macdonald avenue, Richmond. Owner, Herbert Brown, Wells-Fargo Bldg., S. F. Location, northeast Macdonald avenue and 10th street, covering an area of 54 by 100 feet. Will contain a number of stores and two, three and four room apartments. Plans complete and figures to be called for shortly.

PORTLAND, ORE.—Apartment house, 3 story and base, brick, \$28,000. Architect, P. Manson White, Chamber of Commerce Bldg., Portland. Owner, name withheld. Location, East Side, covering an area of 50 by 100 feet. Will contain 24 suites of two and three rooms. Plans being prepared.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, Cost not stated. Architect, William Ernest Spink, 3009 Jackson street, S. F. Owner's name withheld. Location, 16th street east Diamond. Will contain four two and three room apartments. Plans complete and figures being taken.

SAN FRANCISCO.—Apartment house, 8 story and base, Class C construction, \$85,000. Architect, Benj. G. McInougall, Sheldon Bldg., S. F. Owner, M. C. Harris. Location, Stockton at north portal of Stockton street tunnel, covering an area of 68½ by 100 feet. Will contain a number of two, three and four room apartments. Plans being prepared.

SAN FRANCISCO.—Apartment house, 3 story and base, brick, \$15,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, W. W. Yager, 1485 Pine street, S. F. Location, west Leavenworth north Post, covering an area of 25 by 87½ feet. Will contain twelve suites of two and three rooms. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Apartment house and stores, 5 story and base, Class A and Class C construction, \$175,000. Architects, Richardson & Burrill, Albany Bldg., Oakland. Owners, Sommerstrom Bros. Location, 22nd and Broadway. Will contain stores on the first floor and a number of two, three and four room apartments above. Plans complete and in the hands of the owners who are now letting segregated contracts.

BARRACKS.

SAN FRANCISCO. Barracks, 2 or 3 story and base, Class C construction, Cost not stated. Architect, Kenneth MacDonald, Jr., Holbrook Bldg., S. F. Owners, Non-Commissioned Officers of the Volunteer League of America. Location, Folsom and 17th. The architect has just been appointed to prepare these plans and details will be given when plans are more progressed.

BONDS

COALINGA, FRESNO CO., CAL.—An election has been called for November 8th to vote on a bond issue of \$100,000. Money will be used either to purchase private water system or to construct municipal system. F. G. Dessery, Central Bldg., Los Angeles, is consulting engineer.

YUBA CITY, SUTTER CO., CAL.—Night mass meetings are being held to discuss the benefits of the proposed \$320,000 bond issue with which to build four new bridges and a new county hospital. The election will be held on November 7th.

BAKERSFIELD, KERN CO., CAL.—Mrs. M. Pasquini has purchased the property at the corner of V and Union avenue and will erect a modern rooming house in the near future.

CHICO, BUTTE CO., CAL.—President Allison Ware has consulted the consulting engineer of the State relative to the present Norman School in Chico. It is planned to erect a building costing \$50,000 for manual training equipment and industrial art classes.

DIXON, SOLANO CO., CAL.—Meetings are being held here to consider data regarding irrigation and comparative facts and figures from this and other irrigated districts of the State. If the scheme proves feasible and the time opportune, steps will be taken for the formation of the Dixon Irrigation District, the object of which will be to supply cheaper and more water than is now had under the pumping plan.

Engineer C. H. Loveland, R. W. Hawley and H. A. Whitney have made superficial examinations of the dam sites and reservoirs, and their data is being used.

FRESNO, FRESNO CO., CAL.—The proposition to bond the county for \$2,600,000 to build 116 miles of permanent highway was defeated at an election held last week.

BAKERSFIELD, KERN CO., CAL.—The bond election held to vote \$175,000 in bonds by East Bakersfield was defeated by a large majority. The election was held last week.

CULUSA, COLUSA CO., CAL.—The grammar school \$65,000 bond issue carried by a vote of five to one. An architect will be selected shortly to design plans for the new building to be erected from the proceeds of the sale of the bonds.

CULUSA, COLUSA CO., CAL.—The second school bond election for a new grammar school has been set for November 17.

The first election carried by five to one for a \$65,000 bond issue and the second contest is for an additional \$20,000.

SAN FRANCISCO.—The State Railroad Commission has authorized Sierra and San Francisco Power Co., 58 Sutter

street to issue \$1,000,000 in bonds. Proceeds will be used for completion of Strawberry dam, enlargement of San Francisco plant, and extension of distribution lines.

LOS ANGELES, CAL.—The Hollywood water system bonds of \$1,020,000 carried at an election held October 18. The money from the bonds is to be expended as follows: District's proportion of the purchase of the system of the Hollywood Union Water Company, \$510,000; purchase of the Hall and Drotherton water systems in East Hollywood, \$12,228; trunk line for Sunset Boulevard, \$143,550; district's proportion of the cost of building trunk line over Cahuenga Pass and east on Franklin avenue, \$112,982; enlargements of the present systems \$177,000; cost of elections, preparing bonds, etc., \$22,000.

MONROVIA, LOS ANGELES CO., Cal.—Bonds in the amount of \$30,000 for the construction of a grade school on orange avenue were defeated at an election held on October 20.

BRIDGES, DAMS AND HARBOR WORK

MERCED, MERCED CO., CAL.—Bridges, 5, reinforced concrete and timber. Cost not stated. Engineer, County Surveyor, Merced. Owners, Merced County. Bids will be opened on November 14th for the construction of the following bridges: A reinforced concrete bridge on Middle road over San Luis Creek, known as Bridge No. 47. A wooden bridge on concrete abutments and pier over South Fork of Dutchman's Creek on the Baxter road, known as Bridge No. 48. A wooden bridge on concrete abutments and pier over Mariposa Creek on the Pate road, known as Bridge No. 49. A reinforced concrete bridge over slough on the Merced and Fresno road, now State highway, known as Bridge No. 50. A wood and concrete bridge over Canal Creek on Cox Ferry road, known as Bridge No. 51.

SAN ANDREAS, CALAVERAS CO., CAL.—Bridge 6th. Cost not stated. Engineer, County Surveyor, San Andreas. Owners, Calaveras County. Bids will be opened on November 6th for filling the approaches to the concrete bridge recently constructed across the Middle Fork of the Mokelumne River, in the Mokelumne Road District, between the towns of Railroad Flat and West Point.

WILLOWS, GLENN CO., CAL.—Bridges, 3, reinforced concrete. Cost not stated. Engineer, County Surveyor, Willows. Owners, Glenn County. Bids will be opened on November 14th at 10 a. m. for constructing a reinforced concrete bridge over Hambright Creek, designated at the "Mason Bridge," about two miles northwest of Orland, in Road District No. 2. Also for constructing a reinforced concrete bridge, designated as the "West Bridge," in Road District No. 2. Also for con-

constructing a reinforced concrete bridge over Hambright Creek, designated as the "Lachenmyer Bridge," about four miles northwest of Orland, in Road District No. 2.

EUREKA, HUMBOLDT CO., CAL.—Bridges, 2 timber truss. Cost not stated. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Bids will be opened on November 14th for the construction of two wooden truss bridges over Bull Creek in Road District No. 2.

CHURCHES.

SAN MATEO, SAN MATEO CO., CAL.—Rectory, 1 and 2 story, frame, \$15,000. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, St. Matthews Parish. Will contain social rooms and auditorium. Plans complete and figures being taken.

OAKLAND, CAL.—Church, 1 and 2 story and base, brick and frame, \$35,000. Architect, A. N. Rowe, 5109 Manila street, Oakland. Owners, Pioneer Methodist Church. Contractor, A. N. Rowe, 5109 Manila, Oakland. Contract price, \$35,000.

COURT HOUSES

STOCKTON, SAN JOAQUIN CO., CAL.—Court house repairs. Cost not stated. Architect, Franklin E. Warner, San Joaquin Bldg., Stockton. Owners, San Joaquin County. Bids will be opened on November 13th for painting, staining, varnishing and tinting all halls and toilet rooms of the County Court House.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Factory and warehouse, 4 story and base, mill construction, \$100,000. Construction Manager Frederick Whitton, 251 Kearny street, S. F. Owners, Hill Bros. Location, southeast Howard and Fremont streets, covering an area of 137½ by 137½ feet. Will contain offices and warehouse space. Plans being prepared.

OAKLAND, CAL.—Factory, 1 story and base, brick, \$6,500. Architects, J. C. and M. L. Newsom, 1748 Broadway, Oakland. Owner, L. H. Morris. Location, Market and Lydia streets. Designed for a candy factory. Plans complete and figures being taken.

SEATTLE, WASH.—Warehouse, 1 story and base, brick. Cost not stated. Architect, George W. Lawton, Alaska Bldg., Seattle. Owners, Clifford and Wiley. Location, Lake Shore lands, covering an area of 50 by 100 feet. Plans complete and segregated figures being taken.

SAN FRANCISCO—Warehouse 4 story and base, reinforced concrete. Cost not stated. Architect's name not given. Owners, San Francisco Commercial Co., leased to Goodyear Tire and Rubber Co. Location, southeast Mission adjoining Ocean Shore R. R. Co., covering an area of 100 by 105 feet. Construction to be in charge of MacDonald & Kahn, Rialto Bldg.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, W. T. Dreyer, 435 Green street, Daly City. Location north Amazon

west Paris, covering an area of 25 by 23½ feet. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$3,000 each. Architect, A. Praga. Owner, Y. Malta, 701 Chenery street, S. F. Location, east Chenery south Diamond, covering an area of 50 by 65 feet. Each building will contain two flats of four and five rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flat alteration, 2 story and base, frame, \$7,500. Architect, W. H. Crim, Jr., 425 Kearny street, S. F. Owner's name not given. Location, south Washington west Leavenworth. Work will consist of interior and exterior alterations, electric work, plastering, painting and plumbing. Plans complete and figures being taken.

LOS ANGELES, CAL.—Flats, 9, 2 story and base, frame, \$15,000. Architect, J. A. Schwarz Co., Van Nuys Bldg., L. A. Owner's name withheld. Location, Alvarado street near 6th street. Each building will contain two five-room flats. Plans are being prepared.

SAN FRANCISCO—Flats, 3, 2 story and base, frame, \$1,000. Architect, none. Owner, L. B. Ham, 271 25th avenue, S. F. Location, east 15th avenue south Clement. Each building will contain two flats of five and six rooms. Basement garage. Plans complete and work to be done by Day Labor.

GARAGES

SAN FRANCISCO—Garage, 1 story and base. Class C construction, \$25,000. Architects, Willis Polk & Co., Hobart Bldg., S. F. Owners, Wallace Estate. Location, west Van Ness avenue near Eddy, covering an area of 120 by 125 feet. Will contain garage and paint shop. Plans complete and figures being taken.

SAN FRANCISCO—Garage, 1 story and base, reinforced concrete. Cost not stated. Architect, E. P. Antonovich, Monadnock Bldg., S. F. Owner's name withheld. Location, Van Ness avenue. Will contain commercial garage and paint shop. Plans complete and figures being taken.

SAN FRANCISCO—Auto supply houses, 2, 3 story and base, reinforced concrete. Cost not stated. Architect, none. Owner, Lawrence Meyers. Location, northeast Franklin and Pine Sts. Construction to be in charge of MacDonald & Kahn, Rialto Bldg., S. F.

MANTECA, SAN JOAQUIN CO., CAL.—Garage, 1 story and base, brick, \$8,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Josh Cowell. Will cover an area of 75 by 150 feet. Designed for a commercial garage. Plans complete and figures being taken.

Contracts Awarded.

LOS ANGELES, CAL.—Garage, 1 story and base, brick, \$30,000. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, H. W. Gmelveny. Contractors, Milwaukee Building Co., Wright and Callender Bldg., L. A. Contract price, \$30,000.

GOVERNMENT WORK & SUPPLIES

SIULAW RIVER, ORE.—Coast Guard station, frame, \$11,000. Architect, Superintendent 13th District U. S. Coast Guard Service, Custom House Bldg., S.

F. Owners, United States Government. Bids will be opened on December 4th for constructing 1½ story frame quarters, 1-story frame boat house with concrete floor, concrete cistern 7½ x 32 x 6½ feet and creeling steel tower 50 feet high, which will be furnished by the Government. Exterior of buildings shingles. Roofs asbestos shingles.

SAN FRANCISCO—Sewer extension and sea wall. Cost as follows. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Contracts for constructing a sea wall at Fort Scott and for the extension of the sewer system at the Letterman General Hospital have been awarded by the Constructing Quartermaster at Fort Mason, Frank M. Garden & Co., 251 Kearny street was awarded the contract for the sea wall at \$4,676, and James Curry the contract for the sewer extension at \$1,472. Pringle-Bunn Co. submitted the lowest bid for furnishing and installing fire hydrants in the Presidio at \$720.

Reclamation Work.

Under authority of the Secretary of the Interior, contract has been awarded to Winston Bros. Co., of Minneapolis, Minn., for earthwork and structures, stations 1280 to 2280, Ft. Laramie Canal, North Platte project. The total contract price for the work awarded is \$271,061. The work embraces the excavation of approximately 1,455,000 cubic yards of material and the placing of approximately 1,150 cubic yards of concrete.

Denver, Colo., New Stairway.

The following bids were received by the custodian, U. S. post office, Denver, Colo., for a new stairway in the above building:

E. Burkhardt & Sons, Denver, Colo., \$1,208, 120 days.

E. Danielson, Denver, Colo., \$1,270, time not stated.

Jackson Richter Iron Works Co., Denver, Colo., \$1,486, 30 days.

HOSPITALS

Contracts Awarded

MERCED, MERCED CO., CAL.—Sanitarium, 2 story and base, brick and frame, \$3,185. Architect, none. Owner, S. Anet, Merced. Contractor, H. J. Snell, Merced. Contract price, \$3,185. Note: Contract does not include heating.

HOTELS

CHICO, BUTTE, CO., CAL. Hotel and stores, 4 story and base, brick and steel, \$150,000. Architect, W. Coffman, Waterland - Breslau Bldg., Chico. Owners, Breslau Estate et al. Location, Fifth and Main streets. Will contain stores on the first floor and a total of 150 rooms above. Plans complete and figures to be called for about January 1st.

LOS ANGELES, CAL.—Hotel, 11 story and base. Class A construction, \$120,000. Architects, Morgan, Walls & Morgan, Van Nuys Bldg., L. A. Owner, Frank Simpson. Location, northwest Sixth and Grand avenue, covering an area of 60 by 80 feet. Will contain stores on the first floor and a total of 150 rooms on the upper floors. Plans complete and figures for the general construction to be taken at once.

PITTSBURG, CONTRA COSTA CO., CAL.—Hotel, 3 story, frame, \$50,000. Architect, William Knowles. Hearst Bldg., S. F. Owners, C. A. Hooper Lumber Co., Balboa Bldg., S. F. Will contain office, dining room and kitchen on the first floor. Upper floor arranged for 75 rooms. Plans complete and work to be done by Day Labor.

Contracts Awarded.

OAKLAND, CAL.—Hotel, 2 story and base, frame, \$5,000. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner, J. Espinasse. Contractor, Harry C. Knight, Haven court Boulevard, Oakland. Contract price, \$5,500.

LIBRARIES

OAKDALE, STANISLAUS CO., CAL.—Library, 1 story, concrete and frame. Cost not stated. Architect, Hugh Y. Davis, 1015 Weldon avenue, Fresno. Owners, Stanislaus County. Bids will be opened on November 11th at 2 p. m. for constructing a one-story frame and concrete building. Plans on file at the office of the County Clerk.

Contracts Awarded.

BAYLISS, GLENN CO., CAL.—Library, 1 story and base, brick, \$3,365. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Glenn County. Contractor, W. R. Zumwalt, Willows. Contract price, \$3,365.

IRRIGATION PROJECTS

WATERFORD, STANISLAUS CO., CAL.—Irrigation work. Cost not stated. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Bids will be opened on November 14th at 10 a. m. for the construction of portions of the main canals of the Waterford Irrigation District. Proposals will be received on five separate sections of the work, which will be known and described as follows, to wit:

Section 1. Which is those portions of the upper main canal of the Waterford Irrigation District lying between Engineer's Station 0 plus 00 and 50 plus 50, and Engineer's Station 86 plus 00 and 267 plus 00, comprising in all the excavation of approximately 45,000 cubic yards of open excavation.

Section 2. Which is that portion of the upper main canal of the Waterford Irrigation District lying between Engineer's Stations 50 plus 50 and 56 plus 00, comprising in all the excavation of approximately 2,200 lineal feet of 8-inch diameter tunnel and 5,500 cubic yards of portal excavation.

Section 3. Which is that portion of the upper main canal of the Waterford Irrigation District lying between Engineer's Stations 207 plus 00 and 335 plus 00, comprising in all the excavation of approximately 45,000 cubic yards of open excavation.

Section 4. Which is that portion of the lower main canal of the Waterford Irrigation District lying between Engineer's Stations 157 plus 00 and 228 plus 00, comprising in all approximately 55,000 cubic yards of open excavation.

Section 5. Which is that portion of the lower main canal of the Waterford Irrigation District lying between Engineer's Stations 157 plus 00 and 228 plus 00, comprising in all approximately 55,000 cubic yards of open excavation.

RICHVALE, BUTTE CO., CAL.—Drainage system units. Cost not stated. Engineer, Chief Engineer Drainage District No. 100, Richvale. Owners, Drainage District No. 100. Bids will be opened on November 10th at 7:30 p. m. for the construction of units 1, 2, and 3 of the outlet drain for Drainage District No. 100 of Butte County. The work to be done under said proposals constitutes only a part of the drainage work planned for the district, being that portion thereof lying outside of the district and extending from the southwest corner thereof to Butte Creek, comprising a ditch 6.5 miles, more or less, in length. Unit 1 is estimated to require the removal of about 9,510 yards of earth; unit 2 about 27,270 yards and unit 3 about 72,160 yards. Bids will be received for separate units or for the work as a whole.

Contracts Awarded.

ANDERSON, SHASTA CO., CAL.—Canal cementing. Cost not stated. Engineer, Chief Engineer, Anderson-Cottonwood Irrigation District. Contractor, Alex Carlson, Anderson. Contract price not stated.

POST OFFICES

TWIN FALLS, IDAHO—Post office, 1 and 2 story, brick and concrete. Cost not stated. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be received on December 6th for this work. Plans can be secured from the office of the architect or from the custodian of the site at Twin Falls. An official proposal appears in another column of this issue.

POWER IMPROVEMENTS

STOCKTON, SAN JOAQUIN CO., CAL.—Pumping station, concrete. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. The City Council has approved plans and specifications for the installing of a new pumping station on the east side of Yosemite Lake and bids have been ordered received up to November 3rd. Plans may be had from the City Clerk.

STOCKTON, SAN JOAQUIN CO., CAL.—Siphon, cast iron, \$2,859.82. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans for a 20-inch cast iron siphon across the Smith Canal have been approved by the Stockton City Council and the Clerk has been instructed to receive bids on the work up to November 3rd. Plans and further information may be had from the City Clerk.

Contracts Awarded

SAN FRANCISCO—Locomotive, \$2,190. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractors, Leland Equipment Co., 126 Pine street, S. F. Contract price, \$2,490.

RESIDENCES

SAN FRANCISCO—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, John Bjorkman, 12 Naples street, S. F. Location, north Rolph west Munich. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, C. S. McNally, 46 Kearny street, S. F. Owner, Annie M. Reed. Location, west 24th avenue south Anza. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, N. E. Nilsson, 355 Cole-ridge street, S. F. Location, north Santa Ynez east Otesgo. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$14,000 each. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdoch Co. Location, Forest Hill. Each house will contain twelve rooms, three baths and separate garage. Plans being prepared.

SAN FRANCISCO—Residence, 1 story and base, frame, \$4,000. Architect, Joseph A. Leonard, 57 Ceritos avenue, S. F. Owners, Urban Realty Co. Location, lot 21, block 16, Ingleside Terrace. Will contain seven rooms, bath and separate garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owner, Joseph O. Dillingham. Location, west 21st avenue north Ulloa. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$5,000 each. Architect, Edward E. Young, 251 Kearny street, S. F. Owner Thomas Seoble. Location, west 3rd avenue north Fulton. Each house will contain eight rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame and plaster, \$40,000. Architect, Louis M. Upton, 111 Ellis street, S. F. Owner, J. J. Tynan. Location, southeast Lyon and Vallejo. All bids except for the heating and painting have been received and a contract will be awarded at once. Williams Bros. & Henderson, Holbrook Bldg., are low on the general construction.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,600. Architect, none. Owner, James Welsh, 543 18th avenue, S. F. Location, east 18th avenue north of Balboa. Will contain six rooms and bath. Basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, Victor Bjors, 559 Sanchez. Location, south 24th street east Fountain. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, J. M. Peters, 1010 Balboa street, S. F. Location, west 12th avenue south Cabrillo. Will contain six rooms and bath. Basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 1 and 1½ story and base, frame, \$2,000 each. Architect, none. Owners, Oscar Heyman & Bro., 742 Market street, S. F. Location, Bertina northeast of Mo-

hawk. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect none. Owner, R. C. Hillen, 430 Haight street, Alameda. Location, east Sacramento north Cedar. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 6, 2 story and base, frame, \$3,000. Architect W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owner, Mr. Yolland. Will contain six rooms, bath and sleeping porch. Plans being prepared.

OAKLAND, CAL.—Residences, 6, 1 story and base, frame, \$1,500 each. Architect, none. Owner E. M. Marquis, 2827 Russell street, Berkeley. Location, west 54th avenue east 14th street. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Fraternity house addition, 1 story, frame, \$3,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, Delta Chi Fraternity. Location, head of Piedmont avenue. Work will consist of adding one story. Plans complete and figures being taken.

PIEDMONT, ALAMEDA CO., CAL.—Residences, 3, 1 story and base, frame, \$2,500 each. Architect Alvin J. Stern, 306 14th street, Oakland. Owner, C. B. Coit, 306 14th street, Oakland. Location, Jerome and Oakland avenue. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect none. Owner, C. H. Allison, 64 Brookside street, Berkeley. Location, north Parkside west Maple. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$1,000. Architect, none. Owner, J. R. Davis, 545 15th avenue, Richmond. Location, Bay View avenue corner of E street. Will contain four rooms and bath. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, A. C. Ormsby, Richmond. Location, 7th street near Pennsylvania. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$1,700. Architect, James T. Narbett, 910 Macdonald avenue, Richmond. Owner, James T. Narbett. Location, Pennsylvania between 7th and 8th streets. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Thomas Hamill, 5535 Geary street, S. F. Location, south-west 42nd avenue and Balboa. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect,

none. Owners, Fernando Nelson & Sons, 2701 Lincoln Way, S. F. Location, northeast Portola Drive and 15th avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 3 story and base, frame and plaster, \$18,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, P. J. Muller, Contractors, Williams Bros. & Henderson, Holbrook Bldg., S. F. general construction except heating and ventilating and electric fixtures. Contract price, \$16,000.

SCHOOLS

BERKELEY, ALAMEDA CO., CAL.—School power house, 1 story, concrete, \$15,229. Architect, State Architect Geo. B. McDougall, Sacramento. Owners, State of California. G. A. Scott, 685 23rd street, Oakland, presented the lowest bid for this work and will be awarded the contract. A complete list of these figures will be found under the heading of Oakland and Alameda County in this issue.

PALO ALTO, SANTA CLARA CO., CAL.—School, 1 and 2 story, brick and concrete, \$150,000. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Palo Alto School District. Preliminary plans have been approved and the architects are now at work on the finish drawings. Bids will not be called for until bonds are voted.

LOS MOLINAS, TEHAMA CO., CAL.—School, 1 story and base, brick, \$6,000. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Los Molinas School District. Bids for this work, formerly received, were rejected and new bids are being prepared. Bids will be called for shortly.

FRESNO, FRESNO CO., CAL.—School addition, 3 story and base, brick, \$55,000. Architects, Coates & Traver, Rowell Bldg., Fresno. Owners, City of Fresno. Location, southeast Stanislaus and O Sts. The addition will be built to the north end of the present High School. Plans are complete and bids will be opened on November 10th.

Contracts Awarded.

REDWOOD CITY, SAN MATEO CO., CAL.—School addition, 2 story, frame, \$7,444. Architect, Charles E. Hodges, Bankers' Investment Bldg., S. F. Owners, Sequoia School District. Contractor, Gus Waller, Redwood City. Contract price, \$7,444.

LOS ANGELES, CAL.—School, 2 story and base, frame and brick, \$50,000. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owners, Frederica De Laguna and Jessica P. Vance, Contractors, Milwaukee Building Co. Contract price, \$50,000.

SEWERS, STREET WORK & WATER SYSTEMS

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on November 3rd for street improvements authorized under the following resolutions: That the roadway of University avenue, from West street to Third street, be graded; concrete curbs and gutters be constructed; a cast iron and concrete culvert with cast iron manhole and granite header block; the roadway be paved with as-

phaltic wearing surface 2 inches thick laid on a concrete foundation 6 inches thick.

That the roadway of University avenue, from a line 100 feet westerly from and parallel to the western line of Grove street west to the south extension of the center line of West street, be graded; concrete curbs and gutters constructed; a cast iron and concrete culvert with two cast iron manholes and two granite header blocks; a vitrified pipe sewer be constructed in Grant street from University avenue to the storm sewer in Addison street, a reinforced concrete catch basin be constructed and the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete foundation 6 inches thick.

HILLSBOROUGH, SAN MATEO CO., CAL.—Storm water sewer. Cost not stated. Engineer, City Engineer, 440 Holbrook Bldg., S. F. Owners, City of Hillsborough. Bids will be opened on November 8th at 12 noon for the construction of a storm sewer from Rohlar avenue to San Mateo Creek, crossing the properties of San Mateo Realty and Investment Company and Hillsborough School District.

EUREKA, HUMBOLDT CO., CAL.—Sidewalk construction. Cost not stated. Engineer, City Engineer, Eureka. Owners, City of Eureka. Bids will be opened on November 6th for the construction of a concrete sidewalk and a retaining wall on Grant and B streets about the Jefferson School property and for furnishing of all labor and material necessary therefor.

DELANO, KERN CO., CAL.—Street paving, \$20,000. Engineer, City Engineer, Delano. Owners, City of Delano. Several miles of street paving have been ordered by the Trustees, they having issued a call for bids to be received up to November 6th for connecting up the State highway through Delano. Plans and further information may be had from the Clerk of the Board of Trustees.

SAN FRANCISCO—Sewer construction, \$17,841.90. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The Tibbits Pacific Co. presented the lowest bid for constructing sewers in Somerset and Wayland streets and will be awarded the contract. A complete list of these figures will be found under the heading of San Francisco in this issue.

STOCKTON SAN JOAQUIN CO., CAL.—Sewer construction. Cost as follows. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications prepared by the City Engineer for the construction of storm water sewers from the junction of Fifth street and McKinley avenue to McDougal canal were approved by the Council and a call for bids has been issued. This work also calls for a concrete sump. The City Engineer's estimate for the work amounted to \$55,596.10. Sealed proposals will be opened on November 3rd. The Council also adopted plans and specifications for a storm water sewer to discharge in Yosemite Lake, estimated to cost \$679.25. Plans and further information may be had from the City Clerk.

REDWOOD CITY, SAN MATEO CO., CAL.—Drainage system. Cost as follows. Engineer, City Engineer, Redwood City. Owners, Redwood City.

Bids opened by the City Trustess for the construction of a storm water drainage system for the Wellesley Park and Redwood Highlands Districts have been taken under advisement. Three bids for the work were received as follows: Dreyfuss Bros., S. F., \$9,939.20; Eaton & Smith, S. F., \$12,222.21; Tieshaun Bros., S. F., \$12,561.71. The bid of Dreyfuss Bros., 321 California street, S. F., is \$1,000 above the engineer's estimate.

TULARE, TULARE CO., CAL.—Light system. Cost not stated. Engineer, City Engineer, Tulare. Owners, City of Tulare. The Board of City Trustees has issued a call for bids for the installing of an electrolier street lighting system. Bids for the work will be opened on November 6th at 7.30 p. m. Plans and further information may be had from the City Clerk.

MARTINEZ, CONTRA COSTA CO., CAL.—Sidewalks, etc. Cost not stated. Engineer, City Engineer, Martinez. Bids will be opened on November 6th for street improvements authorized under the following resolutions: That cement sidewalks be constructed on both sides of Escobar street between Pine street to that portion of Escobar street located opposite the property designated as "Jones." That Berrelles street be graded and put in a fit condition to be rocked from the easterly line of Susana street to the southerly boundary line of the right of way of the Southern Pacific Railroad.

FRESNO, FRESNO CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bid. will be opened on November 6th for street improvements authorized under the following resolution: That Franklin avenue, from the east line of North Van Ness avenue to the west line of College avenue, be graded and macadamized and curbed with concrete curbing.

Contracts Awarded

MARTINEZ, CONTRA COSTA CO., CAL.—Highway extension, \$4,099. Engineer, County Surveyor, Martinez. Owners, Contra Costa County. Contractor, W. E. Price, Martinez. Contract price, \$4,099.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts for street improvements have been awarded under the following resolutions: The improvement of Elm alley from Ecker street to a line at right angles to the southeast line of Elm alley and 94 feet distant from the point of intersection of the northeast line of Ecker street and the southeast line of Elm alley, by the construction of granite curbs, artificial stone sidewalks of the full width, and an asphalt pavement consisting of a 6-inch concrete foundation and a 1½-inch asphaltic binder course and a 2-inch asphaltic wearing surface. Awarded to D. O. Church Co., 68 Post street, for \$521.56.

The improvement of Balboa street between 29th and 30th avenues by the construction of concrete curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to J. H. Franks, 639 29th avenue, for \$135.

The improvement of 46th avenue, between Geary and Anza streets, by the construction of concrete curbs, a 7-foot strip of vitrified brick pavement on a concrete foundation adjacent to the center line thereof and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway. Awarded to Peter McHugh, 3908 Clay street, for \$39.60.

The improvement of 19th avenue, between California and Lake streets, by the construction of artificial stone sidewalks. Awarded to A. O. Field, 1465 20th avenue, for \$75.

The improvement of 16th avenue, between Anza and Balboa streets, by the construction of artificial stone sidewalks 6 feet wide. Awarded to A. O. Field, 1465 20th avenue, for \$25.50.

The improvement of 16th avenue, between Geary and Clement streets, by the construction of artificial stone sidewalks. Awarded to A. O. Field for \$13.42.

The improvement of Noriega, between 19th and 20th avenues, by grading, construction of concrete curbs, artificial stone sidewalks 6 feet wide and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to J. G. Harney, 3619 18th street, for \$4,952.40.

The improvement of Anza, between 25th and 26th avenues, by the construction of granite curbs, resetting granite curbs, construction of artificial stone sidewalks 6 feet wide and an asphalt pavement consisting of a concrete foundation and a 2-inch asphaltic wearing surface. Awarded to D. L. Bienenfeld, Phelan Bldg., for \$3,682.52.

The improvement of Ortega street, between 19th and 20th avenues, by grading, construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 15 Y branches and 1 brick manhole, concrete curbs, artificial stone sidewalks 6 feet wide and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to Clarence B. Eaton, 407 11th street, for \$4,419.50.

The improvement of Moulton street, between Webster and Fillmore streets, by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 20 Y branches and 2 brick manholes along the center line of Moulton street from Fillmore to a point 84.5 feet west from Webster street, and by the construction of a granite pavement consisting of a 6-inch concrete foundation and a 2½-inch asphaltic wearing surface upon the roadway. Awarded to Thos. A. Clark, 68 Post street, for \$4,032.

The San Francisco Board of Public Works has awarded a contract to The Clinton Construction Co., 140 Townsend street, S. F., for the construction of sewers and appurtenances in La Playa and the Great Highway between Lincoln Way and Noriega street for \$37,970.50.

FRESNO, FRESNO CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer Fresno. Owners, City of Fresno. Contractors, Thompson Bros., 514 H street, Fresno. Contract price not stated.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement, \$10,151.21. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractor, George Cushing, 420 Macdonald avenue, Richmond. Contract price, \$10,151.21.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. The following contracts for street improvements have been awarded: For the grading, curbing with redwood, guttering with concrete gutters 3 feet wide, paving with oil macadam and sidewalk with cement sidewalks 6 feet wide, of all that portion of Bissell street that lies northwest of the northwest line of 73rd street. Awarded to the Hutchinson Co., 13th and Franklin streets, Oakland.

That portions of 51st avenue in the vicinity of East 10th and East 12th streets, be graded, construct redwood curbs, concrete gutters 3 feet wide, paved with oil macadam and construct cement sidewalks 6 feet wide. Awarded to the Hutchinson Co.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That Carnell avenue, from Florence avenue to 35th street, be improved by constructing concrete curbs and gutters; one concrete manhole; placing 6-inch, vitrified, ironstone sewer pipe with elbows attached; one cast iron gutter drain; 14 linear feet of 6-inch, vitrified, ironstone sewer pipe drain; 25 linear feet of 8-inch, vitrified ironstone sewer pipe drain; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete wearing surface 1½ inches thick. Awarded to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That the alley between 5th avenue and 6th avenue and between East avenue and Sacramento avenue in Oak Terrace and South Oak Park, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; 4 concrete manholes complete; placing 90 6-in., vitrified, ironstone Y branches on 8-inch pipe sewer. Awarded to Joe Lawrence, Broderick, Cal.

That the alley between Allen avenue and V street, from T Street Addition to 34th street, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; two concrete manholes complete; placing 26 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer, and doing all necessary excavating and backfilling of trenches. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

That the alley between Y street and Orange avenue, from 37th street to 40th street in South Sacramento Subdivision B, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; 4 concrete manholes; placing 64 6-inch, vitrified Y branches on 8-inch pipe sewer, and doing all necessary excavating and backfilling of

trenches. Awarded to W. J. Tobin 735 Filbert street, Oakland.

That Carnell avenue, from Clark avenue to Florence avenue, be improved by constructing concrete curb and gutter; 10 linear feet of 6-inch, vitrified, ironstone sewer pipe drain; placing one cast iron gutter drain with 6-inch, vitrified, ironstone sewer, etc.; grading the space between the property line and curb; construct concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic concrete wearing surface 1½ inches thick. Awarded to the Clark & Henry Construction Co., Ochsner Bldg., Sacramento.

That 35th street, from P street to S street, be improved by constructing concrete curb and gutter; 6 and 8 inch, vitrified, ironstone sewer pipe drains; two concrete manholes, reconstructing two concrete manholes; placing six cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; grading the space between the property line and curb, constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick an asphaltic cement flush coat, and asphaltic wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

That the easement grant between 4th avenue and 4th avenue in Oak Grove, from Lower Stockton road to a point 104 feet west of the west line of East avenue be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with 51 6-inch, vitrified, ironstone Y branches; constructing three concrete manholes complete and backfilling the trench. Awarded to Joe Lawrence, Groderick, Cal.

That 20th street, from C street to E street, except certain intersections, be improved by grading the space between the property line and curb; construct concrete sidewalk. Awarded to Joe Lawrence.

That Ashby avenue be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from J street to a point 100 feet north from the intersection of the center line of Ashby avenue with the north line of lot No. 16 in J street Suburban Tract No. 1 produced east; constructing two concrete manholes; placing 30 6-inch, vitrified ironstone Y branches on 8-inch, vitrified, ironstone pipe sewer; placing 500 linear feet of concrete protective covering over sewer pipe, and doing all necessary excavating and backfilling of trenches. Awarded to Joe Lawrence.

That the easement granted the city of Sacramento for the purpose of constructing a sewer between 4th avenue and 5th avenue, from Lower Stockton road to East avenue, be improved by constructing an 8-inch, vitrified ironstone pipe sewer; six manholes; placing 60 6-inch, vitrified, ironstone Y branches on 8-inch sewer and excavating and back filling trench. Awarded to Joe Lawrence.

That the alley between T street and street from 31st street to 34th street be improved by constructing therein

an 8-inch, vitrified, ironstone pipe sewer; three concrete manholes complete; placing 52 6-inch, vitrified ironstone Y branches on 8-inch, vitrified, ironstone pipe sewer. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

STORES AND OFFICES

SAN FRANCISCO—Stores, 1 story and base, brick, \$23,000. Architect's name not given. Owner, O. H. Curtaz, 517 Hayes street, S. E. Location, southeast Golden Gate avenue and Leavenworth, covering an area of 82½ by 100 feet. Will contain four stores. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Lofts, 7 story and base, reinforced concrete. Cost not stated. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Langley & Michaels Co. Location, west First St. between Market and Mission, covering an area of 60 by 87½ by 137½ feet. Plans complete and figures on the general construction being taken.

OAKLAND, CAL.—Stores, 1 story, frame. Cost not stated. Architect, Sidney B. Newson, Nevada Bank Bldg., S. F. Owner, George H. Rand. Location, northwest 16th and West street. Will contain three stores with small living apartments in the rear. Plans complete and figures being taken.

SACRAMENTO, CAL.—Store, 1 story and base, brick, \$2,500. Architect, none. Owners Caswell Co., 111 J street, Sacramento. Location, 1811 Sixth street. Plans complete and work to be done by Day Labor.

TULARE, TULARE CO., CAL.—Hardware store, 3 story and base, brick and concrete. Cost not stated. Architect, E. J. Kump, Rowell Bldg., Fresno. Owners, Linder Hardware Co. Will cover a considerable ground area. Plans being prepared.

FRESNO, FRESNO CO., CAL.—Stores and offices, 6 story and base, Class A construction, \$165,000. Architect, Eugene Mathewson, Cory Bldg., Fresno. Owner, Mrs. Nellie Mason. Location J street, covering an area of 100 by 75 feet. Will contain four stores on the ground floor and a total of 150 offices. Working drawings being completed and figures to be called for about January 1st.

PALO ALTO, SANTA CLARA CO., CAL.—Stores and offices, 2 story and base, reinforced concrete. Cost not stated. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Gertrude M. Gardner, W. Cranston and Norwood R. Smith. Location, University avenue and Bryant street. Will contain stores on the first floor and a number of offices above. Plans complete and a contract for excavating and grading awarded to Steve Anderson for \$2,200. Other work out for figures.

THEATRES.

SAN FRANCISCO—1 story and base, Class A construction, \$250,000. Architect, Alfred Henry Jacobs, 110 Sutter street, S. F. Owners, Market Street Realty Co., leased to the California Theatre. Location, southeast Market and Fourth streets. The architect states that bids will be called for within a week for the concrete work and the architectural terra cotta.

SEALED PROPOSALS

PROPOSALS FOR BUILDING.

BUILDING Treasury Department, U. S. Coast Guard, Washington, D. C.—Sealed proposals will be received at this office until 2 o'clock p. m. of Monday, December 4, 1916, and then publicly opened, for constructing a Coast Guard station and accessories on the Siuslaw River, Ore. Specifications and drawings, form of proposal, etc., and full information can be obtained upon application to the superintendent, thirtieth district, Coast Guard, San Francisco, Cal., or to this office. E. P. BERTHOLD, captain commandant.

PROPOSALS FOR DREDGING.

DREDGING—Sealed proposals indorsed "Proposals for Dredging" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. November 13, 1916, and then and there publicly opened, for dredging at the naval coal depot (California City Point), Tiburon, Cal. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard, Mare Island, Cal. E. R. HARRIS, chief of bureau.

PROPOSALS FOR ROOF WORK.

ROOF WORK—Sealed proposals indorsed "Proposals for Roofing" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. November 13, 1916, and then and there publicly opened, for a new roof with monitor and skylights on building No. 58, navy yard, Puget Sound, Wash. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard named. E. R. HARRIS, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Monday, November 13, 1916, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a new building, Agnew State Hospital Agnew, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the entire work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in full condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Open Air Cottage, Agnew State Hospital, Agnew, California."

W. F. MCCLURE,
State Engineer. (4)

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS in duplicate, indicating what at the Presidio of San Francisco, Cal., will be received here until 11 A. M. November 3, 1916, and then opened. Further information on application. (5)

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the Office of the Comptroller, 220 California Hall, University of California, Berkeley, California, at or before 9:00 A. M., November 1st, 1916, for the Exterior Cement Finish for the first wing of the permanent Chemistry Building on the grounds of the University of California at Berkeley.

Plans and specifications may be obtained at the Cashier's window in the Comptroller's Office after 9 A. M., Monday, October 23rd, 1916, on payment of a deposit of \$50.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications, accompanied by a regular bid for the work. No bids will be received unless accompanied by a certified check or bond in favor of the undersigned equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA. (4)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1091. Proposals for Steel, Draw Bar Pockets, Steel or Iron Pipe, Bolts, Zins, Steel Cable, Chain, Toe Jacks, Tins, Hammocks, Wrenches, Chisels, Hatchets, Axes, Adzes, Mattocks, Saws, Sycathe Blades, Files, Bits, Drills, Banners, Tapes Stocks and Dies, Drill Sockets, Pipe Cutters, Small Calais, Planes, Files, Vises, Jacks, Squares, Screw Clamps, Hose Clamps, Hose Nozzles, Grommets, Bolts, Hinges, Chain Blocks, Snatch Blocks, Tackle Blocks, Forks, Hooks, Traverses, Pulleys, Flukes, Frushes, Tool Handles, Wagon Rims, Ladders, Buckets, Torches, Gongs, Oilers, Tallow, Pots, Lanterns, Lamp Chimneys, Scales, Stoves, Cylinders, Boring Bars, Tool Grinder, Battery Charing Panel, Generator Panel, Shelf Brackets, E-bow Catchers, Drawer Pulls, Funnels, Refrigerator, Scales, Table Casters, Spoons, Vinegar Balloons, Welding Spectacles, Asbestos Gloves, Rubber Hose, Railroad Flags, Ribs, Steel Tapes, Twine, Crayons, Pencils, Pins, Distors, Rubber, Tapes, Blank Books, Paper, Pressboard, Envelopes, Cresosote Oil, Pine Tar Oil, Alcohol, Metallic Zinc, White Zinc, Lead Oxide of Mercury, Indian Red and Gum Shellac Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., November 1st, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1091) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; BARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

SALE OF MATERIAL.

SALE OF MATERIAL.—There will be sold at the navy yard, Mare Island, Cal., material belonging to the navy, condemned as unfit for use therein, consisting of motor boats, steamers, furniture, linen, glassware, cutlery, scales, musical instruments, clothing, lathe, air compressors, pipe machine, engines, furnaces, blowers, rope, hose, pumps, the engine, chain hoists, falls, etc. The sale will be for cash to the highest bidder by sealed proposals to be opened at 1:30 p. m., November 2, 1916. Schedule containing form of proposals and terms of sale can be obtained upon application to the supply officer, navy yard, Mare Island, Cal.; J. C. PHILIP DANIELS, Secretary of the Navy.

CALL FOR BIDS ON TREES & SHRUBS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 24, 1916.—SEALED PROPOSALS will be received in this office until 10 A. M., December 1, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal

Buildings at Albany, Eugene, Pendleton, The Dalles, Oregon; Idaho Falls, Idaho; Brigham City, Utah; Bellingham, Everett, Walla Walla, Washington; Chico, Grass Valley, Pasadena, Santa Barbara, California; in accordance with the specification, copies of which, as well as copies of approach plans of the several buildings may be had upon application to the respective Custodians of the Buildings, or at this office. Make application only for the specifications and drawings for the buildings which you intend to submit proposals. JAS. A. WETMORE, Acting Supervising Architect. (4)

MODERN WIRE ROPE.

Mathematical Precision Rules Every Process in Its Making.

Although wire rope has been used as a mechanical appliance for almost 5,000 years, its is commonly regarded as a modern invention. During the many years which have elapsed since the first records of its use, wire rope has passed from a crude to a highly developed product, and the purposes for which it is employed have increased a thousandfold. In no other branch of the American steel industry is there so great a demand for material of proved integrity, for it might be safely suggested that wire rope is both to be abused. It is subjected to tremendous tensile strains; it must withstand constant bendings, abrasion, corrosion and the peculiar internal stress produced by vibration.

Wire rope as it is made today is the product of the metallurgist and the mechanic. Every process, from the smelting of the ores, the cold-drawing of the wire and the heat treatments it receives down to the standing or laying up of the cable, is conducted with mathematical precision.

The chemist sees that only steel of the proper analysis is used; the electric pyrometer insures uniformity of heat treatment in various testing machines clearly develops the worth of the product before it is allowed to leave the mill. Wire rope is used in the mine shafts more than a mile in depth, and may be found on aeroplanes which sail a mile or more above the ground.—Technical World.

FUNDAMENTALS OF REINFORCED CONCRETE DESIGN.

The above subject was given in a lecture by Ernest McCullough, Chief Engineer, Fireproof Construction Bureau, Portland Cement Association, for the short course of Manual Training and Vocational Teachers, held at Lewis Institute Chicago, June 26th to July 1st, 1916, and has been reprinted in pamphlet form by the Association for free distribution among those interested in the subject. Address the Portland Cement Association, 111 West Washington St., Chicago, Ill.

AN ARCHITECT'S SON'S IDEA.

"My father is an architect," said the new boy on the block, proudly.

"What does an architect do?" asked the boy next door.

"Oh, he tells people how to build their houses, and they have to pay him for telling them."

"Yes, but s'posin' they don't build the house the way he tells 'em to?"

"Why, then they have to pay him

more money for changing the plans," replied the architect's son.—Chicago News.

JUDSON WORKS TO BUILD FURNACE

EMERYVILLE, Cal.—Ground has been broken for the building of the first open hearth steel furnace to be operated on this side of the bay. The site selected will be at the foot of Park avenue in Emeryville, immediately at the mouth of the Judson Iron Works, and to be owned and operated by this corporation.

The plans mean the expenditure of \$100,000 and an addition of 500 men to the plant's payroll.

The matter of constructing such a plant has been considered for several years by the management of the big iron works and action was delayed from time to time until conditions have proven satisfactory.

The total investment will pass the one hundred thousand dollar mark, as the completed plant will cover approximately ten acres of ground, necessitating special constructed buildings and expensive equipment.

One of the difficult problems to be solved was the securing of brick able to stand the terrific heat units required. However, this was overcome with a silica brick that cost \$115 a ton, much of which is already delivered. In connection with the plant will be a steel stack one hundred and fifty feet in height with a base circumference of forty-five feet and brick-lined to the top.

In the operation of the plant oil will be used as a fuel and the ores and manganese will come from the California deposits.

THE VALUE OF GOOD SURVEYS IN ROAD BUILDING.

Surveys for roads are often criticized as an unnecessary expense, mainly useful in giving temporary jobs to surveying parties. It seems to many people a very easy matter to stake out a proposed road so that the grades will not be too heavy and the curves too sharp. There are other things to be considered, however, as was recently brought out in some statements by John H. Gordon, president of the New York State Roadbuilders' Association. "The preliminary survey is too often made hurriedly or under adverse weather conditions, and when the actual construction begins the contractor finds that his work is radically different from his idea as derived from the plans and specifications. Final surveys of excavation and embankment at times show as great a discrepancy as 25 per cent, although no great departure has been made from the plans—a result scarcely excusable. The preliminary survey should be made with the utmost care and the plans and specifications drawn therefrom should be the subject of the most careful thought and study, and when finally adopted should not be lightly changed. The location of the material to be used should be definitely and exactly stated and the responsibility for these locations and quality of material should rest with the state. Should these sources of supply be exhausted or deteriorate in quality, it should be the state's burden to bear the loss, and not the contractor's."

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

STREET IMPROVEMENTS—Cost as follows. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco, Contracts or street improvements have been awarded under the following resolutions: The improvement of Elim alley from Ecker street to a line at right angles to the southeast line of Elim alley and 94 feet distant from the point of intersection of the northeast line of Ecker street and the southeast line of Elim alley, by the construction of granite curbs, artificial stone sidewalks of the full width and an asphalt pavement consisting of a 6-inch concrete foundation and a 1½-inch asphaltic binder course and a 2-inch asphaltic wearing surface. Awarded to D. L. Church Co., 68 Post street, for \$21,56.

The improvement of Balboa street, between 29th and 30th avenues, by the construction of concrete curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to J. H. Franks, 639 29th avenue, for \$135.

The improvement of 46th avenue, between Geary and Anza streets, by the construction of concrete curbs, a 7-foot strip of vitrified brick pavement on a concrete foundation adjacent to the center line thereof, and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway. Awarded to Peter McLugh, 2908 Clay street, for \$789.60.

The improvement of 19th avenue, between California and Lake streets, by the construction of artificial stone sidewalks. Awarded to A. O. Field, 1465 20th avenue, for \$75.

The improvement of 16th avenue, between Anza and Balboa streets, by the construction of artificial stone sidewalks 6 feet wide. Awarded to A. O. Field, 1465 20th avenue, for \$25.50.

The improvement of 10th avenue, between Geary and Clement streets, by the construction of artificial stone sidewalks. Awarded to A. O. Field for \$13.42.

The improvement of Noriega, between 19th and 20th avenues, by grading, construction of concrete curbs, artificial stone sidewalks 6 feet wide and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to J. G. Harney, 3619 8th street, for \$4,952.40.

The improvement of Anza, between 5th and 26th avenues, by the construction of granite curbs, resetting granite curbs, construction of artificial stone sidewalks 6 feet wide and an asphalt pavement consisting of a concrete foundation and a 2-inch asphaltic wearing surface. Awarded to D. L. Blenfield, Phelan Bldg., for \$3,683.52.

The improvement of Ortega street, between 19th and 20th avenues, by

grading, construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 18 Y branches and 1 brick manhole; concrete curbs, artificial stone sidewalks 6 feet wide and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway. Awarded to Clarence B. Eaton, 407 11th street, for \$4,419.80.

The improvement of Moulton street, between Webster and Fillmore streets, by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 20 Y branches and 2 brick manholes along the center line of Moulton street from Fillmore to a point 44.5 feet west from Webster street, and by the construction of granite pavement consisting of a 6-inch concrete foundation and a 2½-inch asphaltic wearing surface upon the roadway. Awarded to Thos. A. Clark, 68 Post street, for \$4,022.

The San Francisco Board of Public Works has awarded a contract to The Clinton Construction Co., 140 Townsend street, S. F., for the construction of sewers and appurtenances in La Playa and the Great Highway between Lincoln Way and Noriega street, for \$37,970.50.

APARTMENT HOUSE—3 story and base, brick, \$15,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, W. W. Yager, 1485 Pine street, S. F. Location, west Leavenworth north Post, covering an area of 25 by 87½ feet. Will contain twelve suits of two and three rooms. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—8 story and base. Class C construction, \$85,000. San Francisco. Architect, Benj. G. McDougall, Sheldon Bldg., S. F. Owner, M. C. Harris. Location, Stockton street at north portal of Stockton Street Tunnel, covering an area of 68½ by 100 feet. Will contain a number of two, three and four room apartments. Plans being prepared.

RESIDENCE—1 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, John Bjorkman, 12 Naples street, S. F. Location, north Rolph west Munich. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, C. S. McNally, 46 Kearny street, S. F. Owner, Annie M. Reed. Location, west 24th avenue south Anza. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owner, Joseph O. Dillingham. Location, west 21st avenue north Ulloa. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$4,000. San Francisco. Architect, Joseph A. Leonard, 85 Cerritos

avenue, S. F. Owners, Urban Realty Co. Location, lot 24, block 16, Ingle-side Terrace. Will contain seven rooms, bath and separate garage. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, N. F. Nilsson, 355 Coleridge street, S. F. Location, north Santa Ynez east Otsego. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 2 story and base, frame, \$14,000 each. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdock Co. Location, Forest Hill. Each house will contain twelve rooms, three baths and separate garage. Plans being prepared.

RESIDENCES—2, 2 story and base, frame, \$5,000 each. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Seoble. Location, west 3rd avenue north Fulton. Each house will contain eight rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

WAREHOUSE—4 story and base, reinforced concrete. Cost not stated. San Francisco. Architect's name not given. Owners, San Francisco Commercial Co., leased to Goodyear Tire and Rubber Co. Location, southeast Mission adjoining Ocean Shore R. R. Co., covering an area of 100 by 165 feet. Construction to be in charge of MacOndald & Kahn, Rialto Bldg.

SEWER CONSTRUCTION—\$17,841.90. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The Tibblits Pacific Co. presented the lowest bid for constructing sewers in Somerset and Wayland streets and will be awarded the contract. A complete list of these figures will be found under the heading of San Francisco in this issue.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, W. T. Drayer, 435 Green street, Daly City. Location, north Amazon west Paris, covering an area of 25 by 22½ feet. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

FLATS—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, A. Draga. Owner, V. Maita, 704 Chenery street, S. F. Location, east Chenery south Diamond, covering an area of 50 by 65 feet. Each building will contain two flats, of four and five rooms. Plans complete and work to be done by Day Labor.

FLAT ALTERATION—2 story and base, frame, \$7,500. San Francisco. Architect, W. H. Crim, Jr., 425 Kearny street, S. F. Owner's name not given. Location, south Washington west Leavenworth. Work will consist of interior and exterior alterations, electric work, plastering, painting and plumbing. Plans complete and figures being taken.

RESIDENCE—2 story and base,

frame, \$3,000. San Francisco. Architect, none. Owner, J. M. Peters, 1010 Balboa, S. F. Location, west 12th avenue south Calavilla. Will contain six rooms and bath. Basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Victor Bjors, 559 Sanchez. Location, south 24th street east Fountain. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame and plaster, \$10,000. San Francisco. Architect, Louis M. Upton, 111 25th street, S. F. Owner, J. J. Tynan. Location, southeast Lyon and Vallejo. All bids except for the heating and painting have been received and a contract will be awarded at once. Williams Bros. & Henderson, Holbrook bldg., are low on the general construction.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, James Welch, 543 18th avenue, S. F. Location, east 18th avenue north of Balboa. Will contain six rooms and bath. Basement garage. Plans complete and work to be done by Day Labor.

BARACKS—2 or 3 story and base, Class C construction. Cost not stated. San Francisco. Architect, Kenneth MacDonald, Jr., Holbrook Bldg., S. F. Owners, Non-Commissioned Officers of the Volunteer League of America. Location, Folsom and 17th. The architect has just been appointed to prepare these plans and details will be given when plans are more progressed.

FACTORY AND WAREHOUSE—4 story and base, mill construction, \$100,000. San Francisco. Construction Manager Frederick Whitton, 251 Kearny street, S. F. Owners, Hill Bros. Location, southeast Howard and Fremont street, covering an area of 137½ by 137½ feet. Will contain offices and warehouse space. Plans being prepared.

GARAGE—1 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, E. F. Antonovich, Monadnock Bldg., S. F. Owner's name withheld. Location, Van Ness avenue. Will contain commercial garage and paint shop. Plans complete and figures being taken.

SEWER EXTENSION AND SEA WALL—Cost as follows, San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners United States Government. Contracts for constructing a sea wall at Fort Scott and for the extension of the sewer system at the Letterman General Hospital have been awarded by the Constructing Quartermaster at Fort Mason. Frank M. Garden & Co., 251 Kearny street, was awarded the contract for the sea wall at \$4,676 and James Curry the contract for the sewer extension at \$1,472. Fringio-Dunn Co. submitted the lowest bid for furnishing and installing five hydrants in the Presidio at \$720.

GARAGE—1 story and base, Class C construction, \$25,000. San Francisco. Architect, Willis Polk & Co., Hobart Bldg., S. F. Owners, Wallace Estate. Location, west Van Ness avenue near Eddy, covering an area of 120 by 125 feet. Will contain garage and paint shop. Plans complete and figures being taken.

P. ST. OFFICE—1 and 2 story, brick and concrete. Cost not stated. Twin Falls, Idaho. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be received on December 6th for this work. Plans can be secured from the offices of the architect or from the custodian of the site at Twin Falls. An official proposal appears in another column of this issue.

STORES—1 story and base, brick, \$23,000. San Francisco. Architect's name not given. Owner, O. H. Curtaz, 517 Hayes street, S. F. Location, southeast Golden Gate avenue and Leavenworth, covering an area of 82½ by 100 feet. Will contain four stores. Plans complete and work to be done by Day Labor.

THEATRE—1 story and base, Class A construction, \$250,000. San Francisco. Architect, Alfred Henry Jacobs, 110 Sutter street, S. F. Owners, Market Street Realty Co., leased to the California Theatre. Location, southeast Market and Fourth streets. The architect states that bids will be called for within a week for the concrete work and the architectural terra cotta.

LOFTS—7 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Langley & Michaels Co. Location, west First street between Market and Mission, covering an area of 60 by 87½ by 137½ feet. Plans complete and figures on the general construction being taken.

AUTO SUPPLY HOUSES—2, 3 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, none. Owner, Lawrence Meyers. Location, northeast Franklin and Pine streets. Construction to be in charge of MacDonald & Kahn, Rialto Bldg., S. F.

FLATS—3, 2 story and base, frame, \$1,000. San Francisco. Architect, none. Owner, L. E. Ham, 274 25th avenue, S. F. Location, east 18th avenue south Clement. Each building will contain two flats of five and six rooms. Basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Thomas Hamill, 5333 Geary street, S. F. Location, southwest 12nd avenue and Balboa. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owners, Fernando Nelson & Sons, 2701 Lincoln Way, S. F. Location, northwest Potrero Drive and 15th avenue. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

Contracts Awarded

LOCOMOTIVE—\$2,490. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractors, Leland Equipment Co., 126 Pine street, S. F. Contract price, \$2,490.

RESIDENCE—3 story and base, frame and plaster, \$18,000. San Francisco. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, P. J. Muller. Contractors, Williams Bros. &

Henderson, Holbrook Bldg., S. F., general construction except heating and ventilating and electric fixtures. Contract price, \$16,000.

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amount
3100	Haslett	Haslett	1000
3101	De Rosa	De Rosa	1500
3102	Long	Seghieri	500
3103	Tyler	Tyler	9000
3104	Hamill	Montague	1067
3105	Same	Gulloy	720
3106	Same	O'Mara	1195
3107	Same	Kiernan	3721
3108	Same	Knowles	1740
3109	Same	Farrall	2100
3110	Oris	Sovig	5596
3111	Delbanco	Jones	14500
3112	Fricke	Roberts	750
3113	Techau	Wilhelm	650
3114	Esposito	Houle	450
3115	Breinhach	Eisenbach	8600
3116	Bjorkman	Bjorkman	2000
3117	O'Connor	Donovan	1300
3118	Dillingham	Dillingham	2800
3119	Duffee	Duffee	2600
3120	B. C. Mt. Stpg.	Owner	1000
3121	Schweitzer	Wandsted	400
3122	Urban Rlty.	Urban Rlty	4000
3123	Heyman	Heyman	1150
3124	Same	Same	1750
3125	Same	Same	1950
3126	Burns	Klein	1000
3127	Horwege	Lorenzen	400
3128	Yager	Yager	15000
3129	Scoble	Scoble	5000
3130	Same	Same	5000
3131	O'Mahony	McCarthy	400
3132	Curtaz	Curtaz	23000
3133	Altred	Smith	400
3134	Parrott	Harland	9535
3135	Reed	Reed	3000
3136	Nyman	Nyman	1500
3137	Dulbecco	Paggoni	600
3138	Boetto	Boetto	400
3139	Person	Person	1750
3140	Nilsson	Nilsson	2000
3141	Goeppert	Goeppert	5500
3142	Tinnings	Tinnings	8500
3143	Dixon	Wilhelm	3250
3144	Romedial Loan	La Torres	1454
3145	Brandenstein	Butte	11200
3146	Ham	Ham	4000
3147	Same	Same	4000
3148	Same	Same	4000
3149	Coburn	Coburn	400
3150	Conlon	Parlanti	400
3151	Hirsch	Moller	500
3152	Hinkel	Hinkel	1950
3153	Nelson	Nelson	5000
3154	Hamill	Hamill	2500
3155	Creed	Johnson	400
3156	Barbieri	Barbieri	3000
3157	Smith	Olsen	400
3158	Montague	Montague	1851
3159	Bjors	Bjors	2000
3160	Peters	Peters	3000
3161	Welsh	Welsh	2000
3162	Clayver	Loustau	2515
3163	Prognor	Horton	2825
3164	Re	Montani	3163
3165	Doble	Garden	3163
3166	Lester	Ray	1012

GRAIN DRYER
(3100) SW BATTERY AND FILBERT.
Erect steel grain dryer.

Owner.....The Haslett Warehouse
Contractor.....Co., 210 California, S. F.
Architect.....None.

Day's work.....COST, \$1000

FRAME DWELLING
(3101) S. MOLAWK 58-5 E Huron.
Two-story and basement frame dwlg.
Owner.....Jos. A. De Rosa, 1044 Page,
San Francisco.
Architect.....None.

Day's work.....COST, \$1500

NEW STEPS
(3102) NO. 21 BUENA VISTA AVE.
New steps for sanatorium.
Owner.....Dr. A. Long, Premises.
Architect.....None.
Contractor.....A. Seghieri Bros., Inc., 35
Cook, San Francisco.
COST, \$500

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not FOUR WHEEL DRIVE.

On the F-W-D Truck every wheel is a **Driving Wheel**. The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

FRAME FLATS

(3103) SW NINTH AVE AND LAKE.
Two-story and basement frame (4)
flats.

Owner.....P. D. Tyler, 115 9th Ave.,
San Francisco.

Architect...None.

Day's work. COST, \$9000

RESIDENCE

(3104) N VALLEJO 171-10 1/2 W Scott
W 34-4 1/2 N 137-6. All work for en-
caustic tiling for two-story brick and
frame residence.

Owner.....J. R. Hanify, 24 Market,
San Francisco

Architect...Reid Bros., California-
Pacific Bldg., S. F.

Contractor...W. W. Montague & Co., 557
Market, San Francisco.

Filed Oct. 21, '16. Dated Sept. 25, '16.

On completion and acceptance 75%
Usual 35 days..... 25%
TOTAL COST, \$1063

Bond, \$600. Sureties, H. T. Lally and
Andrew Dalziel. Limit, none. Forfeit
\$10. Plans and specifications filed.

(3105) TIN AND GALVANIZED IRON
work on above.

Contractor...Guilfoxy Cornice Works, 269
8th, San Francisco.

Filed Oct. 21, '16. Dated Sept. 25, '16.
Payments same as above.....

TOTAL COST, \$726

Bond, \$550. Sureties, F. E. Kara and
P. R. Ward. Limit, as required. Forfeit,
\$10. Plans and specifications filed

(3106) STEAM HEATING SYSTEM ON
above.

Contractor...J. E. O'Mara, 449 Minna
San Francisco.

Filed Oct. 21, '16. Dated Sept. 25, '16.
75% as follows:

Roughing in done and on.....
Completed and accepted..... 25%
Usual 35 days..... 25%

TOTAL COST, \$1198

Bond, \$600. Surety, Fidelity & Deposit
Co. of Maryland. Limit, as required
Forfeit, \$10. Plans and specifications
filed.

(3107) PLUMBING AND GAS FITTING
on above.

Contractor...Kiernan & O'Brien, 1754
Mission, San Francisco.

Filed Oct. 21, '16. Dated Sept. 25, '16.
Roughing in completed..... 75%

Usual 35 days..... 25%
TOTAL COST, \$3721

Bond, \$1800. Surety, Jas. H. Pinkerton
Limit, as required. Forfeit, \$10. Plans
and specifications filed.

(3108) LATH & PLASTER ON ABOVE

Contractor...A. Knowles, 150 Jessie
San Francisco.

Filed Oct. 21, '16. Dated Sept. 25, '16.
On 7th of each month..... 75%

Usual 35 days..... 25%
TOTAL COST, \$1740

Bond, \$900. Surety, Massachusetts
Bonding & Insurance Co. Limit, forfeit,
none. Plans and specifications filed

(3109) BRICK WORK ON ABOVE.

Contractor...Farrell & Reed, 709 Mis-
sion, San Francisco.

Filed Oct. 21, '16. Dated Oct. 3, '16.
75% as follows: 1/2 completed and
on completion..... 75%

Usual 35 days..... 25%
TOTAL COST, \$3190

Bond, \$1900. Surety, The Aetna Accident
& Liability Co. Limit, as required
Forfeit, \$10. Plans and specifications
filed.

PAINTING, ETC., HOTEL

(3110) SE MARKET 75 SW Eighth SW
260 SE 275 NE 155 NW 105 NE 45 NW
170. All work for outside painting
inside work, papering, blankstocking
etc., for seven-story and basement
hotel building.

Owner.....James Otis, Trustee, 310
California, San Francisco.

Architect...Wright & Rushforth, 254
Pine, San Francisco.

Contractor...C. B. Sovig, 3451 Geary,
San Francisco.

Filed Oct. 21, '16. Dated Oct. 14, '16

Outside painting and outside coat-
ing finished.....\$1000

Inside 1/2 finished..... 2000

Paper hanging finished..... 1200

Completed and accepted..... 2245

36 days after..... 2149

TOTAL COST, \$8596

Bond, \$4298. Surety, U. S. Fidelity &
Guaranty Co. Limit, 60 days. Forfeit
\$20. Plans and specifications filed.

FRAME FLATS

(3111) E FIFTH AVE 453 N Lake E
120XN 35. All work except heating
ventilating, plumbing, painting,
lighting fixtures, shades and vacuum
cleaning for two-story and basement
frame flats.

Owner.....Nathan Delbanco, 2457
Scott, San Francisco.

Architect...Henry Shermund, 863 Mills
Bldg., San Francisco.

Contractor...Paul K. Jones, 180 Jessie.
San Francisco.

Filed Oct. 21, '16. Dated Oct. 21, '16.

Foundation completed.....\$1500

Enclosed, sheathing and roof on 3200

Rough plastering completed..... 3200

Accepted..... 3200

Usual 35 days..... 3700

TOTAL COST, \$14,800

Bond, \$7100. Surety, American Surety
Co. Limit, 95 days from recording
Forfeit, \$10. Plans and specifications
filed.

The following contracts appeared in
our issue of October 3rd under the
name of the Conservative Home Build-
ing Co. and is herewith corrected:

FRAME RESIDENCE

(2900) E LEVANT 240 S States. Two-
story and basement frame residence.

Owner.....Co-Operative Home Bldg.
Co., 1125 Fillmore, S. F.

Architect...E. P. Antonovich and H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(2901) E LEVANT 395 S States. Two-
story and basement frame residence.

Owner.....Co-Operative Home Bldg.
Co., 1125 Fillmore, S. F.

Architect...E. P. Antonovich and H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(2902) E LEVANT 364 S States. Two-
story and basement frame residence.

Owner.....Co-Operative Home Bldg.
Co., 1125 Fillmore, S. F.

Architect...E. P. Antonovich and H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(2903) E LEVANT 302 S States. Two-
story and basement frame residence.

Owner.....Co-Operative Home Bldg.
Co., 1125 Fillmore, S. F.

Architect...E. P. Antonovich and H. E.
Harris, Monadnock Bldg.,
San Francisco.

Day's work. COST, \$2000

REPAIRS

(3112) NO. 750 TENTH AVE. Repair
fire damage.

Owner.....J. W. Fricke, 365 Market
San Francisco.

Architect...None.

Contractor...Roberts & Son, 112 Scott
San Francisco.

COST, \$75

ALTERATIONS

(3113) NE EDDY AND JONES. Erec-
glass partitions.

Owner.....Tschau Tavern Ice Palace
Premises.

Architect...None.

Contractor...A. H. Wilhelm, 150 Jessie
San Francisco.

COST, \$65

FRAME SHOP

(3114) E MISSION 75 N Geneva. One-
story frame shop.

Owner.....P. D. Esposte, 248 Arling-
ton, San Francisco.

Architect...None.

Contractor...D. Houle, 660 Market, S. F.

COST, \$45

FRAME STORES

(3115) SE NINTH AVE & CABRILLO
One-story frame (3) stores.

Owner.....Eisenbach Co., Flatiron
Bldg., San Francisco.

Architect...Falch & Knoll, Hears
Bldg., San Francisco.

Day's work. COST, \$860

FRAME DWELLING

(3116) N ROLPH 200 W Munich. One-
story and basement frame dwelling.

Owner.....John Bjorkman, 12 Naples
San Francisco.

Architect...None.

Day's work. COST, \$2000

APARTMENTS

(3117) NW TWENTY-FOURTH AND
Castro 80 on 24th by 50 on Castro

Painting, tinting, papering, etc., for
three-story frame stores and apart-
ments.

Owner.....R. O'Connor, Ross, Cal.

Supt.....J. C. Bateman, Balboa Bldg.,
San Francisco.

Contractor...V. J. Donovan, 729 Minna
San Francisco.

Filed Oct. 25, '16. Dated Oct. 20, '16.
On 1st of each month..... 75%

36 days after..... 25%

TOTAL COST, \$1500

Bond, none. Limit, as fast as possible
Forfeit, \$20. Plans and specifications
filed.

OWNER.....Joseph O. Billingham.

Architect...A. Lapachet, 110 Sutter,
San Francisco.

Day's work. COST, \$2800

FRAME RESIDENCE

(3119) N KIRKHAM 82-6 W 11th Ave.
Two-story and basement frame residence.

Owner.....A. R. Duffee, 685 Dolores,
San Francisco.

Architect...None.

Contractor...Alpheus Duffee, 685 Dolores,
San Francisco.

COST, \$2600

FRAME SHOP

(3120) E LANGTON 145 S Bryant.
Two-story frame shop.

Owner.....B. C. Metal Stamping Co.,
1420 Howard, S. F.

Architect...None.

Day's work. COST, \$1000

ADDITION

(3121) NO. 45 CORA. Add to and alter
dwelling.

Owner.....Fritz Schweitzer, 833
Hampshire, San Francisco.

Architect...None.

Contractor...C. Wandsted, 15 Leland
Ave., San Francisco.

COST, \$400

FRAME RESIDENCE

(3122) LOT 24 BLK 16, Ingelside Terrace.
One-story and basement frame residence.

Owner.....Urban Realty Improvement Co., 55 Cerritos Ave.,
San Francisco.

Architect...Jos. A. Leonard, 85 Cerritos
Ave., San Francisco.

Contractor...Urban Realty Improvement Co., 55 Cerritos Ave.,
San Francisco.

COST, \$4000

FRAME RESIDENCE

(3123) NW BERTITA 157-6 NE
Mohawk. One-story and basement
frame residence.

Owner.....Oscar Heyman & Bro., 742
Market, San Francisco.

Architect...None.

Day's work. COST, \$1750

FRAME DWELLING

(3124) NW BERTITA 82-6 NE Mohawk.
One-story and basement frame dwelling.

Owner.....Oscar Heyman & Bros., 742
Market, San Francisco.

Architect...None.

Day's work. COST, \$1750

FRAME DWELLING

(3125) NW BERTITA 232-6 NE Mohawk.
One and one-half-story and basement
frame dwelling.

Owner.....Oscar Heyman & Bros., 742
Market, San Francisco.

Architect...None.

Day's work. COST, \$1950

FRAME DWELLING

(3126) E TWENTY-FOURTH AVE 100
N Judah. One-story and basement
frame dwelling.

Owner.....T. A. Burns, 116 Lyon,
San Francisco.

Architect...None.

Contractor...F. A. Klein, 1423 24th Ave.,
San Francisco.

COST, \$1000

ALTERATIONS

(3127) NOS. 262-264 FREDERICK
Alter basement for garage, concrete
floor, etc.

Owner.....Mrs. E. M. Horwege, 57
Haight, San Francisco.

Architect...None.

Contractor...J. T. Lorenzen, 156 Hermann,
San Francisco.

COST, \$100

BRICK APARTMENTS

(3128) W LEAVENWORTH 60 N Post.
Three-story and basement brick (12)
apartments.

Owner.....W. W. Yager, 1485 Pine,
San Francisco.

Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$15,000

FRAME RESIDENCE

(3129) W THIRD AVE 191 N Fulton.
Two-story and basement frame residence.

Owner.....Thos. Scoble, 5445 Geary,
San Francisco.

Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$5000

FRAME RESIDENCE

(3130) W THIRD AVE 127 N Fulton.
Two-story and basement frame residence.

Owner.....Thos. Scoble, 5445 Geary,
San Francisco.

Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$5000

ALTERATIONS

(3131) SW IRVING & THIRTEENTH
Ave. Alter and add for shrine.

Owner.....Rev. W. G. O'Mahony, 1299
Irving, San Francisco.

Architect...None.

Contractor...J. C. McCarthy, 1318 13th
Ave., San Francisco.

COST, \$100

BRICK STORES

(3132) SE GOLDEN GATE AVE AND
Leavenworth. One-story and basement
brick stores.

Owner.....O. H. Carraz, 517 Hayes,
San Francisco.

Architect...None.

Day's work. COST, \$23,000

PLASTERING DWELLINGS

(3133) TWENTY-FOURTH AVE, bet.
B and C Sts. All work for plastering
eight houses.

Owner.....C. S. Alfred, 150 Onondago
Ave., San Francisco.

Architect...None.

Contractor...Robert H. Smith.

Filed Oct. 21, '16. Dated Oct. 1, '16.

Brown coated 50%.....\$1200

White coated 50%.....600

Usual 25 days, balance.....600

TOTAL COST, \$2400

Bond, limit, forfeit, plans and specifications,
none.

ALTERATIONS

(3134) S MARKET, bet. 4th and 5th.
Ornamental iron work for alterations
and additions to Emporium.

Owner.....Parrott Investment Co., 502
California, San Francisco.

Architect...None.

Contractor...Dawiddie Constr. Co.,
Crocker Bldg., S. F.

Sub-Contractor...J. Hillard Co., Inc.

Filed Oct. 21, '16. Dated Oct. 17, '16.

As work progresses.....75%

Usual 35 days.....Final

TOTAL COST, \$3595

Bond, \$5000. Surety, Fidelity & Deposit Co. of Maryland, Limit, Jan. 30,
1917, Forfeit, \$10. Plans and specifications,
none.

FRAME RESIDENCE

(3135) W TWENTY-FOURTH AVE
159-S S Anza Two-story and basement
frame residence.

Owner.....Annie M. Reed, 683 7th
Ave., San Francisco.

Architect...C. S. McMally, 16 Kearny,
San Francisco.

Day's work. COST, \$3000

FRAME DWELLING

(3136) S MUNICH 70 E Naples. One-
story and basement frame dwelling.

Owner.....C. Nyman, 673 Mangles,
San Francisco.

Architect...None.

Day's work. COST, \$1500

FRAME DWELLING

(3137) S QUESADA 75 E Keith. One-
story and basement frame dwelling.

Owner.....G. Dubiceo, 1540 Thomas
Ave., San Francisco.

Architect...None.

Contractor...C. Faggioni, 1556 Revere
Ave., San Francisco.

COST, \$600

ALTERATIONS

(3138) NO. 115 CHARTER OAK. Raise
dwelling, concrete foundation, etc.

Owner.....Jno. B. Boetto, Premises.

Architect...None.

Day's work. COST, \$100

FRAME COTTAGE

(3139) NE EXCELSIOR 50 N Lisbon.
One and one-half-story and basement
frame cottage.

Owner.....Martin Person, 178 Ney,
San Francisco.

Architect...None.

Day's work. COST, \$1750

FRAME RESIDENCE

(3140) N SANTA YNEZ 110 E Otsego.
One-story and basement frame residence.

Owner.....N. F. Nilsson, 355 Coleridge
San Francisco.

Architect...None.

Day's work. COST, \$2600

ALTERATIONS

(3141) NO. 213 GREEN. ALTER
present three flat building into (6)
apartments; remove shingle roof and
replace with tar and gravel.

Owner.....G. Goepfert, Premises

Architect...Foulkes & Hildebrand, 1106
Crocker Bldg., S. F.

Day's work. COST, \$5500

ADDITIONS

(3142) NOS. 21 & 23 PRESIDIO AVE.
Raise, add to and alter present building
into two residences.

Owner.....W. Timnings, 12 Geary,
San Francisco.

Architect...Herman Barth, 12 Geary,
San Francisco.

Day's work. COST, \$8500

NOTE: Frame started.

FRAME DWELLINGS

(3143) SE CLARA 755 SW FIFTH SW 25
SE 80. All work for two three-

room and bath frame dwellings and two two-room and bath frame dwlg.
Owner.....Helen C. Dixon, 915 Fulton San Francisco.
Architect...None.

Contractor...A. H. Wilhelm, 180 Jessie San Francisco.

Filed Oct. 25, '16. Dated Oct. 25, '16.
Frames up\$12.50
1st coat of motor on\$12.50
Completed and accepted.....\$12.50
Usual 35 days.....\$12.50
TOTAL COST, \$3250.00

Bond, none. Limit, 60 days. Forfeit none. Plans and specifications filed.

PAINTING, ETC.

(3144) NW MISSION AND MINT. All work for painting and decorating of office building.

Owner.....Remedial Loan Association 43 5th, San Francisco.

Constr. Manager...Frederick Whitton, 251 Kearny, San Francisco.

Contractor...Frank La Torres, 2238 Post San Francisco.

Filed Oct. 25, '16. Dated Oct. 16, '16.
Monthly payments of.....75%
Usual 35 days.....Final
TOTAL COST, \$494

Bond, \$250. Surety, Hartford Accident & Indemnity Co. Limit, 20 days from October 18, 1916. Forfeit, \$5. Specifications only filed.

ELECTRIC WORK

(3145) E THIRD, bet. Brannan and Townsend. Electric wiring, conduits, switches and switch boards for motor equipment in building.

Owner.....M. J. Brandenstein & Co., 126 Mission, San Francisco.

Architect...None.
Contractor...Butte Eng. & Elec. Co., 685 Howard, San Francisco.

Filed Oct. 25, '16. Dated Oct. —, '16.
On 1st and 15th of each month 75%
25 days after25%
TOTAL COST, \$11,200

Bond, \$5600. Surety, New Amsterdam Casualty Co. Limit, 35 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(3146) E EIGHTEENTH AVE 175 S Clement. Two-story and basement frame (2) flats.

Owner.....L. B. Ham, 274 25th Ave., San Francisco.

Architect...None.
Day's work.....COST, \$4000

FRAME FLATS

(3147) E EIGHTEENTH AVE 200 S Clement. Two-story and basement frame (2) flats.

Owner.....L. B. Ham, 274 25th Ave., San Francisco.

Architect...None.
Day's work.....COST, \$4000

(3148) E EIGHTEENTH AVE 225 S Clement. Two-story and basement frame (2) flats.

Owner.....L. B. Ham, 274 25th Ave., San Francisco.

Architect...None.
Day's work.....COST, \$4000

ADDITION

(3149) S LARCH 182-6 E Webster. Addition for store.

Owner.....Chas. Coburn, 4030 24th, San Francisco.

Architect...None.
Day's work.....COST, \$400

CONCRETE FLOOR

(3150) NO. 1820 GREENWICH. Concrete stable floor.

Owner.....Thos. P. Conlon, 717 Hyde, Apartment 7, S. F.

Architect...None.
Contractor...Parlantti & Co., NW Webster and Filbert, S. F.

COST, \$400

FOUNDATION

(3151) W MISSION 75 S 19th. Erect partition.

Owner.....L. Hirsch, 736 Call Bldg., San Francisco.

Architect...None.
Contractor...R. W. Moller, 736 Call Bldg., San Francisco.

COST, \$500

FRAME DWELLING

(3152) W TWENTIETH AVE 145 S Anza. Two-story and basement frame dwelling.

Owner.....Hinkel Bros., 1204 Castro, San Francisco.

Architect...None.
Day's work.....COST, \$1950

FRAME RESIDENCE
(3153) NE PORTOLA DRIVE AND 15th Ave. Two-story and basement frame residence.

Owner.....Fernando Nelson & Sons, 2701 Lincoln Way, S. F.

Architect...None.
Day's work.....COST, \$5000

FRAME RESIDENCE

(3154) SW FORTY-SECOND AVE & Balboa. Two-story and basement frame residence.

Owner.....Thos. Hamill, 5535 Geary, San Francisco.

Architect...None.
Day's work.....COST, \$2500

REPAIRS

(3155) NO. 1632 ALABAMA. Repair fire damage.

Owner.....Catherine Creed, Premises.

Architect...None.
Contractor...J. Johanson, 145 Ripley, San Francisco.

COST, \$400

FRAME STORES

(3156) SW GEARY AND NINETEENTH Ave. One-story frame (2) stores.

Owner.....Paul Barbieri, 360 16th Ave., San Francisco.

Architect...P. Righetti, 668 Phelan Bldg., San Francisco.

Day's work.....COST, \$3000

NOTE:—Work started.

ALTERATIONS

(3157) NO. 247 NEVADA. Alter and add to dwelling.

Owner.....John J. Smith, Premises.

Architect...None.
Contractor...O. Olsen, 279 Anderson, San Francisco.

COST, \$100

ALTERATIONS

(3158) SE LYON AND GREEN. Alter basement for garage.

Owner.....P. Montague, 2387 Green, San Francisco.

Architect...None.
Day's work.....COST, \$100

FRAME DWELLING

(3159) S TWENTY-FOURTH 50 E

Fountain. Two-story and basement frame dwelling.

Owner.....Victor Bjors, 559 Sanchez, San Francisco.

Architect...None.
Day's work.....COST, \$2000

FRAME RESIDENCE

(3160) W TWELFTH AVE 125 S Cabrillo. Two-story and basement frame residence.

Owner.....J. M. Peters, 1010 Balboa, San Francisco.

Architect...None.
Day's work.....COST, \$3000

FRAME RESIDENCE

(3161) E EIGHTEENTH AVE 225 N Balboa. Two-story and basement frame residence.

Owner.....James Welsh, 543 18th Ave., San Francisco.

Architect...None.
Day's work.....COST, \$3000

ALTERATIONS

(3162) NO. 1754 GEARY. All work for alterations and additions to building

Owner.....A. L. Clavere, 367 Guerrero San Francisco.

Architect...Fabre & Bearwald, 625 Market, San Francisco.

Contractor...A. Loustau.

Filed Oct. 27, '16. Dated Oct. 26, '16.

Foundations and rat proofing completed\$ 390

Completed and accepted.....1000

Usual 35 days.....464
TOTAL COST, \$1854

Bond, none. Limit, 40 days. Forfeit, \$5. Plans and specifications filed.

FLATS

(3163) N BALBOA 107 E 22nd Ave E 25xN 100. All work for two-story and basement (residence flats).

Owner.....Roht, & Ella Prognier, 244 Ivy Ave., San Francisco.

Architect...H. D. Mitchell, 629 Montgomery, San Francisco.

Contractor...Martin Hansen.

Filed Oct. 27, '16. Dated Oct. 24, '16.

Frame up and roof rafters set.....\$628.50

Brown coated628.50

Completed and accepted.....628.50

Usual 35 days.....628.50
TOTAL COST, \$2515.00

Bond, \$1257.50. Surety, E. J. Carroll. Limit, 70 days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report Oct. 17, 1916; No. 3054.

FRAME FLATS

(3164) N LOMBARD 82-6 E Pierce E 27-6xN 100. All work for two-story and basement frame flats.

Owner.....Emilio and Giacomo Re, 2286 Lombard, S. F.

Architect...L. Traverso, 854 Union, San Francisco.

Contractor...Serafino Montani, 1753 Greenwich, San Francisco.

Filed Oct. 27, '16. Dated Oct. 26, '16.

Enclosed and roof on\$706.25

Brown coated706.25

Completed and accepted.....706.25

Usual 35 days.....706.25
TOTAL COST, \$2825.00

Bond, \$1412.50. Sureties, P. Borcelli and Joseph A. Florio. Limit, 75 days from October November 1st. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(3165) SUBDIVISION NO. 1 Sealcliff;
No. 160 Sealcliff Ave. All work for
alterations and additions to residence
Owner.....Mary E. Doble, 76 Sealcliff
Ave., San Francisco.
Architect...Leo J. Devlin, Pacific Bldg.
San Francisco.
Contractor..Frank M. Garden, 251
Kearny, San Francisco.
Filed Oct. 27, '16. Dated Oct. 27, '16.
On 1st and 15th of each month,
comg. Nov. 15, 1916..... 75%
Usual 35 days, balance.....\$866
TOTAL COST, \$3464
Bond, \$1735. Surety, Hartford Accident
& Indemnity Co. Limit, 42 days. Forfe-
feit, 55. Plans and specifications filed.
NOTE:—Specifications read No. 190
Seacliff Avenue.

OIL BURNING EQUIPMENT

(3166) NO. 1018 MISSION, bet. 6th and
7th; NW side. All work for fuel oil
burning equipment for Hotel An-
drews.
Owner.....Sarah E. Lester, San Jose,
California.
Constr. Eng....Thos. Morrin, Phelan
Bldg., San Francisco.
Contractor..W. S. Ray, 220 Market,
San Francisco.
Filed Oct. 27, '16. Dated Oct. 21, '16.
Completed and accepted.....\$781.50
Usual 35 days.....Balance
TOTAL COST, \$1042.00
Bond, none. Limit, 20 days from Oct.
21, 1916. Forfeit, none. Plans and
specifications filed.

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Oct. 27, 1916—E CAPP 168 S 15th S
32x2E 120. Rose Authenien as to im-
provements on leased property...
Oct. 20, 1916—NW SHARON and
Sixteenth. Ida Weiger as to im-
provements on leased property...

INCORPORATIONS.

SAN FRANCISCO COUNTY.

The Carlin Grading Co. Capital
Stock, \$10,000; subscribed, \$1220; shares
\$1 each. Directors—M. Carlin, 1000
shares; R. Farrar, J. O'Keefe, 100 shares
each; J. Carlin and Jas. Carlin, 10
shares each. Place of business, S. F.
Victor Electric Corporation of Cal-
ifornia. Capital Stock, \$25,000; sub-
scribed, \$500; shares, \$100 each. Di-
rectors—H. J. Ingersoll, M. D.; W. O.
Eddy; W. G. Hargis; G. L. Bush; L. C.
Shingle, 1 share each. Place of busi-
ness, San Francisco.
Virgin Ice Cream Co. Capital Stock,
\$25,000; subscribed, \$15; shares, \$1
each. Directors—E. H. Ryan, C. B.
Gillespie and E. H. Orr, 5 shares each.
Place of business, San Francisco.
Nesmith Electrical Heating Appliance
Co. Capital Stock, \$100,000; sub-
scribed, \$30; shares, \$1 each. Di-
rectors—H. I. Cruzor, J. H. McKibben
and J. T. Moses, 10 shares each. Place
of business, San Francisco.

LEASE.

SAN FRANCISCO COUNTY.

Oct. 26, 1916—N EIGHTEENTH 100 m
or 1 W Castro W 24-8 m or 1 by N
80 m or I; No. 4118 18th. E B Swales

to Jos Intersimone. 5 years. \$35
per month.
Oct. 26, 1916—W MONROE 91-6 N Bush
N 46xW 80. F H Rowe, Evelyn Rowe
Haller, Helen Rowe Hauze, Freder-
ick M and Albert Rowe to Lillian
Marsh-Brown. 2 years 1 month,
\$6500.
Oct. 25, 1916—NO. 374 ELEVENTH AVE
50x120. Miss B Ryan to Edwin A
Cummings. 2 years. \$540.

ASSIGNMENT OF LIEN.

SAN FRANCISCO COUNTY.

Oct. 21, 1916—NE GEARY & MASON
E 91-1XN 68-9. R G Seaman to F
L Hatch

NOTICE OF NON-LIABILITY.

SAN FRANCISCO COUNTY.

Oct. 23, 1916—N SEVENTEENTH 125
W Howard W 25 m or 1 by N 120.
Herman Boese as to improvements
on leased property

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED
Oct. 11, 1916—S TWENTY-SEVENTH
Ave (Carroll) 125 W Jennings 25x
100. Sutton Hamilton to whom it
may concern.....Oct. 11, 1916
Oct. 11, 1916—NE EXCELSIOR AVE
75 NW Lishon NW 25xNE 75 Blk 17,
Excel Hld Ass'n. Martin Person to
whom it may concern.....Oct. 20, 1916
Oct. 11, 1916—NE CHESTNUT AND
Montgomery, Sewall Lot No. 7. The
Western Pacific Railroad Co to E
H Sundberg.....Oct. 9, 1916
Oct. 11, 1916—W MISSION 184-2½ N
24th N 25x125. Frank and Louis
Cames to P F Reilly.....Oct. 9, 1916
Oct. 11, 1916—N WASHINGTON 77-5
E Spruce N 127-8½x65. Mary A
Hammon to M V Brady.....Oct. 4, 1916
Oct. 11, 1916—S TWENTY-SEVENTH
Ave (Carroll) 150 W Jennings 25x
100. Sutton Hamilton to whom it
may concern.....Oct. 11, 1916
Oct. 13, 1916—S TWENTY-THIRD 225
W Douglass W 25xS 114; Lot 139
Heyman Tract. Mrs Meta Meinen
to F F Ralston.....Oct. 5, 1916
Oct. 13, 1916—W TWENTIETH AVE
250 S Anza S 50xW 120. Frank T
Leahy to whom it may concern...
.....Oct. 13, 1916
Oct. 13, 1916—S PAGE 175 W Web-
ster W 25xS 137-6. Bessie Selig
to Higginson Co.....Oct. 10, 1916
Oct. 13, 1916—W THIRTY-FOURTH
AVE 150 S Balboa S 50xW 120.
Leigh & Schultz to whom it may
concern.....Oct. 6, 1916
Oct. 13, 1916—W HOWARD 160 N
13th N 24xW 123-6. Mrs E E
Campbell to Mac Gruer & Co and
F H Cress.....Oct. 12, 1916
Oct. 14, 1916—E ELLINGTON 180 S
Foote Ave S 26-8xE 120. Ghiselli
Onorato to L Dioguardi.....Oct. 5, 1916
Oct. 14, 1916—W TWENTY-THIRD
AVE 100 S Geary S 25xW 120. Frank
and Augustine David to J L Purcell
.....Oct. 12, 1916
Oct. 16, 1916—E SEVENTEENTH AV
250 N Balboa N 25xE 120. Michael
Costello and Bryan Feerick to
whom it may concern.....Oct. 16, 1916
Oct. 16, 1916—NW TWENTY-SECOND

and Howard N 50xW 90. Wm
Barnor to Ludwig B Koenig.....
.....Oct. 10, 1916
Oct. 16, 1916—W THIRTY-SEVENTH
AVE 200 S Irving S 25xW 120; W
37th Ave 250 S Irving S 25xW 120;
W 37th Ave 300 S Irving S 25xW
120. S F Ilome Bldg Co to Emll
Nelson

- Oct. 19, 1916—N SACRAMENTO 146-8 W Taylor W 27-SxN 120. Joseph Bacciooco to H Conrad. Oct. 13, 1916
- Oct. 19, 1916—S GEARY 68-9 W Octavia W 68-SxS 120. Jacob Steur to whom it may concern. Oct. 19, 1916
- Oct. 19, 1916—E ASHBURY 100-S Grove N 25 E 100 N 12-6 E 15-8 S 37-6 W 115-S. Emile A Dulip to Jacob Witzelsburger. Oct. 17, 1916
- Oct. 19, 1916—SE SAN JOSE AVE 135.01 SW Santa Ynez Ave SW 31.10 ptn Sub Lots 1 and 2 Blk 33 West End Map No. 1. Henry Steinbach to Louis Johnson. Oct. 16, 1916
- Oct. 19, 1916—E TENTH AVE 100 S Geary. Florence Bartlett to John J Binet Co. Oct. 18, 1916
- Oct. 19, 1916—S BALBOA 94 W 24th Ave W 25xS 192 m or l. James B Kidd to Iro W Coburn. Oct. 17, 1916
- Oct. 20, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. Henry Cailleaud Jr to Henry Conrad. Oct. 20, 1916
- Oct. 20, 1916—LOT 37 BLK 17 B Alired Shdyn West End Map 1. Anna Wanner to Axel R Larson. Oct. 19, 1916
- Oct. 20, 1916—NOS. 340-364 EDDY. Builders Realty Co to Petersen-James Co. Oct. 16, 1916
- Oct. 20, 1916—W TWENTY-THIRD Ave 300 S Lincoln Way S 25xN 120. Eric Dahlberg to whom it may concern. Oct. 20, 1916
- Oct. 20, 1916—SW THIRD AVE AND "H" W 95xS 45. J A Rutherford to Ruegg Bros. Oct. 19, 1916
- Oct. 21, 1916—W MISSOURI 150 S 19th 25x100. James Stewart to A M Wallen. Oct. 20, 1916
- Oct. 21, 1916—N PINE 137-6 E Van Ness Ave E 63xN 137-6. Mary N, Lucy H and Edith W Allayne to Barrett & Hilp. Oct. 14, 1916
- Oct. 21, 1916—NO. 445 SUTTER S line bet Powell and Stockton. Pacific Gas & Electric Co to Scott Co. Oct. 19, 1916
- Oct. 23, 1916—E FIFTEENTH AVE 275 N Fulton N 25xE 127-6. Stillman E Brown and Sterling Realty Co to whom it may concern. Oct. 21, 1916
- Oct. 23, 1916—W SEVENTEENTH AV 75 N Lake N 25xW 57-6. Arthur H Malm to F Caldwell & Son. Oct. 23, 1916
- Oct. 23, 1916—S CARL 150 W Clayton No. 27 Carl. Rose V Davis to J W Marsden. Oct. 20, 1916
- Oct. 23, 1916—E SEVENTEENTH AV 125-11 N Clement N 50xE 120. J Johnson to whom it may concern. Oct. 21, 1916
- Oct. 24, 1916—S CLAY 186-10 E Franklin 40-61x127-8 1/2. Agnes C Hostetter to John G Chase. Completed
- Oct. 24, 1916—E WHITNEY 225 S Randall. Fredk and Eugenie Schwarz to W H Grahn. Sept. 15, 1916
- Oct. 24, 1916—NE FIFTH & JESSIE 75 m or l on 5th by 175 m or l on Jessie. J B Lankershim to D J & T Sullivan, Inc. Oct. 19, 1916
- Oct. 24, 1916—W LARKIN 30 S Post S 40xW 95. Savings Union Bank & Trust Co to Spencer Elevator Co. Oct. 18, 1916
- Oct. 24, 1916—E DOLORES 140 N 14th N 70xE 140. Cynthia L Guntz to W L Nagel and O W Britt. Oct. 23, 1916
- Oct. 25, 1916—S TWENTYETH 30 E Sanchez E 25xS 55-6. John Bjork-
- man to whom it may concern. Oct. 25, 1916
- Oct. 25, 1916—NW NORTH POINT & Larkin N 27xW 412-6. D Ghiradelli Co to H H Larsen & Bro. Oct. 23, 1916
- Oct. 25, 1916—S SACRAMENTO 141-9 E Laguna E 50-9xS 132-8 1/2. Geo H Roundey to whom it may concern. Oct. 25, 1916
- Oct. 25, 1916—N GEARY 167 S W Larkin W 25xN 120. William A and Hattie McKee to whom it may concern. Oct. 19, 1916
- Oct. 26, 1916—SE HAYES & OCTAVIA E 62-6xS 120. Daniel M Moran to C T Jacobson, Philip A Bill (Bill & Jacobson) and Aylsworth Agencies Co. Oct. 24, 1916
- Oct. 26, 1916—SW FIRST 40 SE Stevenson SE 40 SW 167-6 NW 80 NE 87-6 SE 40 NE 80. Langley & Michaels Co to Sibley Grading & Teaming Co. Oct. 24, 1916
- Oct. 26, 1916—W LARKIN 30 S Post S 40xW 95. Savings Union Bank & Trust Co to Frederick W Snook Co. Oct. 24; United States Metal Products Co. Oct. 25, 1916
- Oct. 26, 1916—E TWELFTH AVE 275 N Fulton N 25xE 120. Caleb S Trimble or Trimble to Chas Schwarz. Oct. —, 1916
- Oct. 26, 1916—NO. 820 HOLLOWAY Ave NW Cor. Jules Ave, 100x125. Ada M Bender to whom it may concern. Oct. 17, 1916
- Oct. 26, 1916—SE HAYES AND OCTAVIA E 62-6xS 120. Daniel M Moran to M A De Lew. Oct. 24, 1916
- Oct. 27, 1916—BLK BDED BY CLAY, Webster, Sacramento & Buchanan. The Board of Trustees of the Leland Stanford Jr University to The Turner Co, Oct. 29; W A Goerick. Oct. 20, 1916
- Oct. 27, 1916—LOT 3 BLK 2978 Merritt Terrace. L S Allen to whom it may concern. Oct. 27, 1916
- Oct. 27, 1916—W NINTH AVE 125 S Balboa S 25xW 120. Joseph C Kirby to whom it may concern. Oct. 27, 1916
- Oct. 27, 1916—E FIFTEENTH AVE 275 N Judah N 25xE 127. Leigh & Schultz to whom it may concern. Oct. 25, 1916
- Oct. 27, 1916—W THIRTY-FIRST AV 256-8 N Clement N 27-3 1/2 W 120 S 39-8 1/2 — 120-7 1/2. Mary F O'Brien (nee O'Connor) to Otto Carson & Co. Oct. 25, 1916
- Oct. 18, 1916—S CALIFORNIA 151-3 W Baker W 25xS 137-6. Charles Shirey vs J J Lakin. \$353.59
- Oct. 18, 1916—N ANZA 57-6 W 37th Ave W 50xN 100. E J Gallagher vs Matthew Tierney. \$75
- Oct. 19, 1916—LOT 12 BLK 27 Forest Hill Extension. W L Nagel vs Ehrhart Constr Co. \$389.40
- Oct. 19, 1916—LOT 14 BLK 27, Forest Hill Extension. W L Nagel vs Ehrhart Constr Co. \$389.40
- Oct. 19, 1916—NW EDDY & PIERCE N 75xW 30. W P Fuller & Co vs John H Merz, Henry Conrad and Virginia Luvisi. \$133
- Oct. 19, 1916—E CHURCH 227 N 24th E 100 N 1 E 25 N 32 W 125 S 33. Pacific Mfg Co vs Vincenza Sturiza and Chas Paff (as Chas Paff & Co). \$116.50
- Oct. 19, 1916—N ANZA 107-6 W 9th Ave W 25xN 100. J H Kruse vs Charles A Linebaugh. \$721.47
- Oct. 20, 1916—N ALLSTON WAY 98 E Claremont Blvd W 30xN 100; Lot 16 Blk 2977, Merritt Terrace. Mission Concrete & Mosaic Co vs Frank Hyland. \$84.50
- Oct. 20, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Robt Murray vs Vincenza Sturiza and Chas Paff. \$47.50
- Oct. 20, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. A H Pearson vs Mrs Vincenza Sturiza and Charles Paff. \$115
- Oct. 16, 1916—W GUERRERO 65 N 17th N 25xW 85. California Tile Contracting Co vs James Fitz Patrick, Lillian Fitz Patrick, J S Hofmeister and Frank Berdahl and Hofmeister & Berdahl. \$25
- Oct. 20, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. James H Hardy, Inc vs Mrs Vincenza Sturiza and Charles Paff. \$103.45
- Oct. 20, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. C B Sovig vs Vincenza Sturiza and Charles Paff. \$225
- Oct. 21, 1916—S GEARY 92 W Powell W 45xS 137-6. Bennett Bros vs H L Josey. \$76.31
- Oct. 21, 1916—NW PIERCE & EDDY N 75xW 30. American Marble & Mosaic Co vs Virginia Luvisi, John H Merz and Henry Conrad. \$155
- Oct. 21, 1916—NW EDDY & PIERCE W 30xN 75. Joost Bros, \$182.61; Marshall & Stearns, \$159 vs Virginia Luvisi and John H Merz.
- Oct. 21, 1916—NW EDDY & PIERCE N 75xW 30. Macdonald Lumber Co vs Virginia Luvisi, John H Merz and Henry Conrad. \$395.08
- Oct. 21, 1916—NW EDDY & PIERCE W 30xN 75. Asher Elec Co vs John H Merz, Henry Conrad and Virginia Luvisi. \$180
- Oct. 21, 1916—N ANZA 108 W 9th Ave W 25xN 100. D Regis and L Trebino vs Chas Linebaugh. \$147
- Oct. 21, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. O Kuriz, \$285.22; Pope & Talbot, \$116.30 vs Chas Paff and Vincenza Sturiza.
- Oct. 23, 1916—NW EDDY & PIERCE W 30xN 75. Brass & Bronze Ornamental Art Mfg Co vs Virginia Luvisi and J H Merz. \$173
- Oct. 23, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Esposito Bros, \$74; Malotti & Peterson, \$42 vs Vincenza Sturiza and

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED AMOUNT

- Oct. 14, 1916—W THIRD AVE 100 S Clement S 75xW 120. Hahenicht & Howlett vs Sarah J and John W Johnston, Mary J Steele, D C Edwards and G B Hilliard. \$77.25
- Oct. 14, 1916—NW EDDY & PIERCE W 30xN 75. C Sieverts vs Virginia Luvisi. \$550
- Oct. 17, 1916—LOT 16 BLK 2977 Merritt Terrace. M Stulsaft Co vs D J and Jennie Hyland, C F Fallmer and W McWhirter. \$74.97
- Oct. 17, 1916—N SAN JOSE AVE 50 E Havelock 25x100; E Havelock 61 N San Jose Ave 25x100; E Havelock 86 N San Jose Ave 25x100; E Havelock 111 N San Jose Ave 25x100. Raffaele and Carlo Spinozzi and Vincenzo Imbresci vs A G Ghiotto and B Ghiotto (as Ghiotto Bros)

Chas Paff	
Oct. 23, 1916—NW EDDY & PIERCE W 30xN 75. Eureka Sash, Door & Moulding Mills vs Virginia Luvisi and John H Merz.....	\$124.92
Oct. 23, 1916—S CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. D F Sullivan vs Vincenza Sturiza and Chas Paff	\$215
Oct. 24, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1. Haben- licht & Howlett vs Vincenza Sturiza and Chas Paff	\$81.20
Oct. 24, 1916—E CHURCH 227 N 24th E 100 N 1 E 25 N 32 W 125 S 33. Charles S Amsler vs Vincenza Sturiza and Chas Paff.....	\$56
Oct. 24, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. J H Kruse vs Vincenza Sturiza and Chas Paff	\$84.63
Oct. 24, 1916—N CLEMENT 55 W 15th Ave W 25xN 104-3. Leonard Lum- ber Co vs A Melander.....	\$845.02
Oct. 24, 1916—S CABRILLO 27-6 W 15th Ave W 25xS 100. Eureka Sash Door & Moulding Mills vs H P Cox and C E Herrick and O E Jones...	\$89.58
Oct. 24, 1916—S GEARY 92-6 W Powell W 45xS 137-6. H W Johns- Manville Co vs N L Josey.....	\$381.90
Oct. 25, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Western Lime & Cement Co, \$78.44; Holmes Lime & Cement Co, \$21.20 vs Vincenza Sturiza and Chas Paff...	
Oct. 25, 1916—S MAYNARD 250 E Craut E 25xS 110. Jas H Hardy vs Ignatius W and Catherine A Zabril- skie and E F Helms.....	\$242.80
Oct. 26, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Marius Hennings vs Vincenza Stur- iza and Chas Paff	\$154
Oct. 26, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Joost Bros vs Vincenza Sturiza and Chas Paff	\$49.55
Oct. 26, 1916—NW EDDY & PIERCE W 30xN 75. Ahlbach & Mayer, \$528.50; Rasmussen & Maillard, \$142; Henry Ulmer, \$50; L H Birth, \$511.70; Dresser, McDonnell & Co, \$50; Michel & Pfeffer, \$260 vs Vir- ginia Luvisi and J H Merz.....	
Oct. 27, 1916—SE MARKET and Brady W 75xS 124. George F Bern- ard vs C H Crocker and George F Price	\$3.38
Oct. 27, 1916—E CHURCH 227 N 24th E 125 S 32 W 25 S 1 W 100 N 33. Roberts Mfg Co vs Vincenza Sturiza and Chas Paff.....	\$87.75
Oct. 27, 1916—S MINNA 470 W Third 40x70. J S Guerin & Co vs Freder- ick Marriott and R B Macdon- ald	\$79.99

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on November 3rd for street improvements authorized under the following resolutions: That the roadway of University avenue from West street to Third street be graded. Concrete curbs and gutters be constructed; a cast iron and concrete culvert with cast iron manhole and granite header block; the roadway be paved with asphaltic wearing surface 2 inches thick

laid on a concrete foundation 8 inches thick.

That the roadway of University avenue from a line 100 feet westerly from and parallel to the western line of Grove street west to the south extension of the center line of West street be graded; concrete curbs and gutters constructed; a cast iron and concrete culvert with two cast iron manholes and two granite header blocks; a vitrified pipe sewer be constructed in Grant street from University avenue to the storm sewer in Addison street; a reinforced concrete catch basin be constructed and the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete foundation 6 inches thick.

APARTMENT HOUSE AND STORES—5 story and base. Class A and Class C construction, \$175,000. Oakland, Cal. Architects, Richardson & Furrell, Albany Bldg., Oakland. Owners, Sommarstrom Bros. Location, 22nd and Broadway. Will contain stores on the first floor and a number of two, three and four room apartments above. Plans complete and in the hands of the owners who are now letting segregated contracts.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. The following contracts for street improvements have been awarded. For the grading, curbing with redwood, guttering with concrete gutters 3 feet wide, paving with oil macadam and sidewalking with cement sidewalks 6 feet wide, of all that portion of Bissell street that lies northwest of the northwest line of 73rd street. Awarded to the Hutchinson Co., 13th and Franklin streets, Oakland.

That portions of 51st avenue in the vicinity of East 10th and East 12th streets be graded, construct redwood curbs, concrete gutters 3 feet wide, paved with oil macadam and construct cement sidewalks 6 feet wide. Awarded to the Hutchinson Co.

RESIDENCES—2, 1 story and base, frame, \$2,500 each. Piedmont, Alameda Co., Cal. Architect, Alvin J. Stern, 306 14th street, Oakland. Owner, C. B. Coit, 306 14th street, Oakland. Location, Jerome and Oakland avenue. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FRATERNITY HOUSE ADDITION—1 story, frame, \$3,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff Jr., First National Bank Bldg., Berkeley. Owners, Delta Chi Fraternity. Location, head of Piedmont avenue. Work will consist of adding one story. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$3,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owner, Mr. Volland. Will contain six rooms, bath and sleeping porch. Plans being prepared.

RESIDENCES—6, 1 story and base, frame, \$1,500 each. Oakland, Cal. Architect, none. Owner, E. M. Marquis, 2827 Russell street, Berkeley. Location, west 54th avenue east 11th street. Each dwelling will contain five rooms,

bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, C. H. Allison, 61 Brookside street, Berkeley. Location, north Parkside west Maple. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

FACTORY—1 story and base, brick, \$6,500. Oakland, Cal. Architects, J. C. and M. L. Newsom, 1718 Broadway, Oakland. Owner, L. H. Morris. Location, Market and Lydia streets. Designed for a candy factory. Plans complete and figures being taken.

SCHOOL POWER HOUSE—1 story, concrete, \$1,529. Berkeley, Alameda Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. G. A. Scott, 685 23rd street, Oakland, presented the lowest bid for this work and will be awarded the contract. A complete list of these figures will be found under the heading of Oakland and Alameda County in this issue.

STORES—1 story, frame. Cost not stated. Oakland, Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, George H. Rand. Location, northwest 16th and West streets. Will contain three stores with small living apartments in the rear. Plans complete and figures being taken.

APARTMENT HOUSE—2 story and base, frame. Cost not stated. Oakland, Cal. Architect, William Ernest Spink, 30069 Jackson street, S. F. Owner's name withheld. Location, 16th street east of Diamond. Will contain four two and three room apartments. Plans complete and figures being taken.

Contracts Awarded

CHURCH—1 and 2 story and base, brick and frame, \$25,000. Oakland, Cal. Architect, A. M. Rowe, 5109 Manila St., Oakland. Owners, Pioneer Methodist Church. Contractor, A. N. Rowe, 5109 Manila street, Oakland. Contract price, \$35,000.

HOTEL—2 story and base, frame, \$5,500. Oakland, Cal. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner, J. Espiasse. Contractor, Harry C. Knight, Havenscourt Boulevard, Oakland. Contract price, \$5,500.

BIDS RECEIVED FOR BERKELEY STATE JOB.

G. A. Scott of Oakland Will Be Awarded Contract for Small Power Plant at Berkeley.

(By Special Wire)

SACRAMENTO, CAL., Oct. 27th, 1916—Five bids were opened by the State Department of Engineering for the construction of a small one-story concrete power plant to be erected at the California School for the Deaf and Blind at Berkeley. G. A. Scott, 685 23rd street, Oakland, submitted the

lowest bid at \$1,529 and will be awarded the work. A complete list of the figures follow:

Power House.

G. A. Scott.....	\$1,529
Schnebley-Hostrawser & Pedgrift.....	1,578
Harvey A. Klyce.....	1,591
L. G. Burgen & Son.....	1,872
A. P. Wagner.....	2,233

Building Contracts Awarded.**Oakland**

No.	Owner	Contractor	Amt.
2502	Chapell	Seward	625
2503	Garbit	Garbit	500
2504	Horgan	Dexter	2050
2505	Vrooman	Boldt	2500
2506	Kowalsky	Warner	1947
2507	Marquise	Marquise	1500
2508	Same	Same	1500
2509	Same	Same	1500
2510	Same	Same	1500
2511	Same	Same	1500
2512	Same	Same	1500
2513	Capwell	Schnebley	1388
2515	Coit	Coit	2500
2516	Gidding	Gidding	400
2517	Hong & Co.....	Yick	400
2518	Gomes	Gomes	400
2519	Catucci	Wendt	2100
2520	Sullivan	Isackson	400
2521	Randall	Meyers	500
2522	Laguna	Baughman	2385
2523	Luckenbach	Stolte	1650
2524	Atlas Gas.....	Christensen	400
2525	Nelsen	Nelsen	400
2530	Weed	Skaggs	2450
2535	Chan	Scott	1137
2536	Chinese Ep Msn.....	Knight	400
2542	Oakland	Thornalley	15000
2543	Wanger	Allen	800
2544	Blackmon	Francis	1000
2545	Okd Phonograph	Owner	1000
2546	Central Bk	Jackson	400
2547	McMillan	McMillan	425
2548	Cummings	Morgan	1700
2550	King	Olson	6998

ADDITION

(2502) NO. 1635 EIGHTY-FIRST AVE., Oakland. Addition.

Owner.....E. H. Chapell, Premises.
Architect...None.
Contractor..E. F. Seward, 1059 47th, Oakland.
COST, \$625

ALTERATIONS

(2503) NO. 854 FORTY-SEVENTH, Oakland. Alterations and additions.
Owner.....A. J. Garbit, Premises.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(2504) 'NO. 592 TWENTY-NINTH, Oakland. Alter two-story dwelling into 4 flats.
Owner.....Horgan & Thomas.
Architect...None.
Contractor..A. R. Dexter, 820 Athens Ave., Oakland.
COST, \$2050

REPAIRS

(2505) NOS. 526-28 TWELFTH, Oakland. Fire repairs to furniture store.
Owner.....Vrooman Estate.
Architect...None.
Contractor..Wm. L. Boldt, 2610 Grove, Berkeley.
COST, \$2500

DWELLING

(2506) S E-ELEVENTH 75 E 8th Ave., Oakland. One-story 5-room dwelling.
Owner.....Myrt Kowalsky, 1214 Broadway, Oakland.
Architect...None.
Contractor..S. A. Warner, 5349 Princeton, Oakland.
COST, \$1947

DWELLING

(2507) E FIFTY-FOURTH AVE 280 S E-14th, Oakland. One-story 5-room dwelling.
Owner.....E. M. Marquise, 2827 Russell, Berkeley.
Architect...None.
Day's work. COST, \$1500

DWELLING

(2508) E FIFTY-FOURTH AVE 250 S E-14th, Oakland. One-story 5-room dwelling.
Owner.....E. M. Marquise, 2827 Russell, Berkeley.
Architect...None.
Day's work. COST, \$1500

DWELLING

(2509) E FIFTY-FOURTH AVE 212 S E-14th, Oakland. One-story 5-room dwelling.
Owner.....E. M. Marquise, 2827 Russell, Berkeley.
Architect...None.
Day's work. COST, \$1500

DWELLING

(2510) W FIFTY-FOURTH AVE 250 S E-14th, Oakland. One-story 5-room dwelling.
Owner.....E. M. Marquise, 2827 Russell, Berkeley.
Architect...None.
Day's work. COST, \$1500

DWELLING

(2511) W FIFTY-FOURTH AVE 220 S E-14th, Oakland. One-story 5-room dwelling.
Owner.....E. M. Marquise, 2827 Russell, Berkeley.
Architect...None.
Day's work. COST, \$1500

DWELLING

(2512) W FIFTY-FOURTH AVE 180 S E-14th, Oakland. One-story 5-room dwelling.
Owner.....E. M. Marquise, 2827 Russell, Berkeley.
Architect...None.
Day's work. COST, \$1500

MARQUEE

(2514) E CLAY bet. 14th and 15th: 14th Street entrance, Oakland. All work for marquee.
Owner.....H. C. Capwell Co., Premises
Architect...C. C. W. Dickey and John J. Donovan, Perry Bldg., Okd
Contractor..Schnebley, Hostrawser & Pedgrift, 6th and Jackson, Oakland.
Filed Oct. 23, '16. Dated Oct. 20, '16.
1st and 15th of each month.... 75%
Usual 35 days..... 25%
TOTAL COST, \$1388

Bond, none. Limit, Nov. 17. Forfeit, none. Plans and specifications filed.

DWELLING

(2515) W JEROME 106 W Oakland Ave., Piedmont. One-story five-room dwelling.
Owner.....W. B. Coit.
Architect...None.
Day's work. COST, \$2500

ALTERATIONS

(2516) NO. 144 GRAND AVE., Oakland. Alterations.
Owner.....W. G. Gidding.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(2517) NO. 1001 WASHINGTON, Oakland. Alterations.
Owner.....John Hong & Co., Prem.
Architect...None.
Contractor..Frank Yick, 603 Harrison, Oakland.
COST, \$400

ALTERATIONS

(2518) NO. 1826 E-SEVENTEENTH, Oakland. Alterations.
Owner.....Jose L. Gomes, Premises.
Architect...None.
Day's work. COST, \$400

BARN AND DWELLING

(2519) E EIGHTEENTH AVE 60 N E-12th, Oakland. Two-story barn and dwelling.
Owner.....J. Catucci.
Architect...None.
Contractor..G. H. Wendt, 2425 Le Conte Ave., Berkeley.
COST, \$2100

ADDITION

(2520) NO. 3706 MAYBELLE AVE., Oakland. Addition.
Owner.....Julia E. Sullivan, 156 Henry, San Francisco.
Architect...None.
Contractor..S. A. Isackson, 1464 55th Ave., Oakland.
COST, \$400

REPAIRS

(2521) NO. 3251-53 E-TWELFTH, Oakland. Fire repairs.
Owner.....Lizzie Randall, Fruitvale.
Architect...None.
Contractor..O. W. Meyers, 3814 West, Oakland.
COST, \$500

DWELLING

(2522) FOOT MOOR PARK AVE — S Southern Pacific Railroad, Oakland. One-story 6-room dwelling.
Owner.....Victoria Laguna, Bay Farm Island.
Architect...None.
Contractor..J. W. Baughman, 1627 5th Ave., Oakland.
COST, \$2385

DWELLING

(2523) W EIGHTY-SIXTH AVE 75 S Holly, Oakland. One-story 5-room dwelling.
Owner.....Mrs. M. J. Luckenbach, Forest Lane & Hillsdale, Berkeley.
Architect...None.
Contractor..F. C. Stolte, 3449 Laguna, Oakland.
COST, \$1650

ADDITION

(2528) FOOT TWENTY-SECOND AVE. Oakland. Addition.
Owner.....Atlas Gas Engine Co., Premises.
Architect...None.
Contractor..Christensen Bros., 565 16th, Oakland.
COST, \$400

DWELLING

(2529) W HUMBOLDT 300 S School, Oakland. One-story 3-room dwelling.
Owner.....Christ Nelsen, 3452 Champion, Oakland.
Architect...None.
Day's work. COST, \$400

DWELLING

(2530) N FIFTY-NINTH 550 W Racine Oakland. One-story 5-room dwlg. Owner.....M. H. Weed, 577 59th, Okd. Architect...None. Contractor...J. H. Skaggs, 557 45th, Oakland.

COST, \$2450

ALTERATIONS

(2535) NO. 1015 FRANKLIN, Oakland. All work for alterations and additions to two-story frame dwelling. Owner.....Herbert P. Chan. Architect...Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Contractor...George A. Scott, 685 23rd Ave., Oakland.

Filed Oct. 25, '16. Dated Oct. 24, '16. Brown coated 1/4 Completed 1/4 Usual 35 days 1/4

TOTAL COST, \$1137

Bond, \$600. Sureties, C. M. MacGregor and Carl T. Doell. Limit, 21 days. Forfeit, \$15. Plans and specifications filed

REPAIRS

(2536) NO. 320 SIXTH, Oakland. Repairs. Owner.....Chinese Episcopal Mission, Premises. Architect...None. Contractor...Harry C. Knight, 1514 Havenscourt Blvd., Okd.

COST, \$400

ADDITION

(2542) NW FORTY-EIGHTH AND Webster, Oakland. Two-story addition to school. Owner.....City of Oakland. Architect...Donovan & Dickey, Perry Bldg., Oakland. Contractor...W. G. Thornalley, 565 16th, Oakland.

COST, \$15,000

ALTERATIONS

(2543) 500 E COR. LINCOLN AVE and County Road, Oakland. Alterations and additions. Owner.....Mrs. P. J. Waeger, 507 Wickson, Oakland. Architect...None. Contractor...F. E. Allen, 468 34th, Okd.

COST, \$800

DWELLING

(2544) S E-TWELFTH 60 W 42nd Ave., Oakland. One-story 4-room dwelling. Owner.....E. L. Blackman, 4159 E-14th, Oakland. Architect...None. Contractor...E. O. Francis, 4159 E-14th, Oakland.

COST, \$1000

ALTERATIONS

(2545) NO. 473 TWELFTH, Oakland. Alterations. Owner.....Oakland Phonograph Co., 472 11th, Oakland. Architect...None. Day's work.

COST, \$1000

SIDE WALK LIGHTS

(2546) NE FOURTEENTH & BROAD-way, Oakland. Side walk lights. Owner.....Central National Bank, Premises. Architect...None. Contractor...P. H. Jackson Co., 237 1st San Francisco.

COST, \$400

ALTERATIONS

(2547) NO. 965 WASHINGTON, Oakland. Alterations. Owner.....R. McMillan, 12th and Franklin, Oakland. Architect...None. Day's work.

COST, \$425

DWELLING

(2548) E WAKEFIELD AVE 150 S E-27th, Oakland. One-story 5-room dwelling. Owner.....Annie Cummings, 2165 E-27th, Oakland. Architect...None. Contractor...W. A. Morgan, 3702 Alendale Ave., Oakland.

COST, \$1700

BRICK SHOP

(2550) N SIXTH 75 E Broadway N 100x E 100, Oakland. All work for one-story brick machine shop. Owner.....The C. H. King Estate Co., 308 12th, Oakland. Architect...Chas. W. McCall, Central Bank Bldg., Oakland. Contractor...Alfred Olson, 565 16th, Oakland.

Filed Oct. 27, '16. Dated Oct. 25, '16. Brick walls completed to ceiling joist level \$1312 Brick walls completed and ceiling joists in place 1312 Rough plumbing in 1312 Completed and accepted 1312 Usual 35 days 1750

TOTAL COST, \$6938

Bond, \$3499. Sureties, Fred Nelson and H. J. Quinn. Limit, 40 days. Forfeit, none. Plans and specifications filed.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2513	Huiskamp	Muller	17000
2524	Broad	Broad	400
2525	El Dorado Oil	Brode	8565
2526	Same	Same	6330
2527	Reavis	Scott	1850
2531	Wilson	Boldt	600
2537	Johns	Conner	400
2538	Goodfellow	Knowles	1250
2539	Bailey	Mason	2000
2540	Hillen	Hillen	2000
2541	Dupin	Spring	3000
2549	Allison	Allison	1350

CLASS "C" FACTORY

(2513) NO. 2532 SIXTH, Berkeley. One-story Class "C" factory. Owner.....C. Huiskamp and R. W. Seward, Seattle & Oakland. Architect...W. W. Breite, Clunie Bldg San Francisco. Contractor...P. A. Muller, Syndicate Bldg., Oakland.

COST, \$17,000

ALTERATIONS

(2524) NO. 2328 McKINLEY AVE, Berkeley. Alterations. Owner.....A. H. Broad, 2117 Kittridge Berkeley. Architect...None. Day's work.

COST, \$400

STRUCTURAL STEEL

(2525) WEST BERKELEY. Deliver structural steel f. o. b. West Berkeley. Owner.....El Dorado Oil Works, 119 California, San Francisco. Architect...None. Contractor...Brode Iron Works, 31 Hawthorne, San Francisco. Filed Oct. 24, '16. Dated Oct. 17, '16.

20 tons delivered \$1500.00
40 tons delivered 2000.00
All delivered 2923.75
Usual 35 days 2141.25
TOTAL COST, \$8565.00
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications, none.

STRUCTURAL STEEL

(2526) WEST BERKELEY. Deliver structural steel f. o. b. West Berkeley. Owner.....El Dorado Oil Works, 419 California, San Francisco. Architect...None. Contractor...Brode Iron Works, 31 Hawthorne, San Francisco. Filed Oct. 24, '16. Dated Oct. 6, '16. 15 tons delivered \$1000.00 30 tons delivered 1000.00 All delivered 2792.50 Usual 35 days 1597.50

TOTAL COST, \$6390.00

Bond, none. Limit, Nov. 10. Forfeit, none. Plans and specifications, none.

FRAME DWELLING

(2527) LOT 12 BLK A-1562 Bateman Tract Map No. 2, on Benvenue Ave., Berkeley. All work for two-story frame dwelling. Owner.....Ethel W. Reavis, Eklly. Architect...Milwain Bros., Albany Bk., Oakland. Contractor...G. A. Scott, 685 23rd, Okd. Filed Oct. 24, '16. Dated Oct. 23, '16. Frame up and chimney completed 1/4 Brown coated 1/4 Completed and accepted 1/4 Usual 35 days 1/4

TOTAL COST, \$1650

Bond, \$25. Sureties, Carl T. Doell and C. M. MacGregor. Limit, 60 days. Forfeit, none. Plans and specifications filed.

GARAGE

(2531) NO. 2527 HASTE, Berkeley. Garage. Owner.....Miss Wilson, 2408 Bowditch, Berkeley. Architect...None. Contractor...Wm. L. Boldt, 2610 Greve, Berkeley.

COST, \$600

ADDITION

(2537) NO. 2133 HEARST AVE, Berkeley. Addition. Owner.....Johns & Bennett, Premises. Architect...None. Contractor...Conner & Conner, Berkeley Way and Shattuck, Bkly.

COST, \$100

GARAGE

(2538) NO. 2117 GARBBER, Berkeley. One and one-half-story garage. Owner.....Huge Goodfellow, Premises. Architect...Wm. Knowles, Central Bk. Bldg., Oakland. Contractor...Wm. Knowles, Central Bk. Bldg., Oakland.

COST, \$1250

DWELLING

(2539) S DWIGHT WAY 135 E Mathews, Berkeley. One-story 5-room dwelling. Owner.....Raymond H. Bailey, Shattuck and Addison, Bkly. Architect...None. Contractor...Mason-McDuffie Co., Shattuck and Addison, Bkly.

COST, \$2000

DWELLING

(2540) E SACRAMENTO 378 N Cedar, Berkeley. One-story 5-room dwlg. Owner.....R. C. Hilfen, 430 Haight Ave., Alameda. Architect...None. Day's work. COST, \$2000

FRAME DWELLING

(2541) THOUSAND OAKS, Berkeley. Two-story frame dwelling. Owner.....Alphonse Dupin. Architect...Sidney & Noble Newsom, Nevada Bank Bldg., S. F. Contractor...Frank Spring, Nottingham Ave near Arlington Ave., Berkeley. COST, \$3000

DWELLING

(2549) N PARKER 210 W Mabel, Berkeley. One-story 5-room dwelling. Owner.....C. H. Allison, 31 Brookside, Berkeley. Architect...None. Day's work. COST, \$1350

Building Contracts Awarded.**Alameda**

No.	Owner	Contractor	Amt.
2532	Sorenson	Blom	1475
2533	Halcrow	Delaney	500
2534	Barton	Noble	2075

DWELLING

(2532) — HAIGHT AVE 150 W 9th, Alameda. One-story 5-room dwlg. Owner.....M. Sorenson, 1607 4th, Ala. Architect...None. Contractor...C. A. Blom, 525 Pacific Ave Alameda. COST, \$1475

ALTERATIONS

(2533) NO. 877 LAUREL AVE., Alameda. Alterations. Owner.....Ellen Halcrow, Premises. Architect...None. Contractor...Delaney & Randlett, 2303 Central Ave., Alameda. COST, \$500

DWELLING

(2534) NO. 1613 FOLEY, Alameda. One-story 5-room dwelling. Owner.....Wm. Barton, Central Ave & Broadway, Alameda. Architect...None. Contractor...G. H. Noble, 2220 Central Ave., Alameda. COST, \$2075

COMPLETION NOTICES.**ALAMEDA COUNTY.****RECORDED ACCEPTED**

Oct. 11, 1916—HEARST RANCH near Pleasanton. P A Hearst to Chas A Bruce.....Oct. 9, 1916
Oct. 11, 1916—LOT 45, Fremont Tct, Okd. I Ariel Kellogg to whom it may concern.....Oct. 5, 1916
Oct. 11, 1916—LOT 59 Sheet No. 2, Map Nova Piedmont, Piedmont. F N Strang to whom it may concern.....Sept. 26, 1916
Oct. 11, 1916—W FRUITVALE AVE 83 S E-14th S 42 NW 80 NE 41.59 SE 77.02, Okd. Derby Estate Co to whom it may concern.....Oct. 10, 1916
Oct. 14, 1916—NE E-TWENTY-FIRST 165 SE 5th Ave SE 40xNE 150, Okd. Bernard L and Alma Maguire to R H Banning and Jas E Stewart.....Oct. 14, 1916

Oct. 14, 1916—W MANOR DRIVE 150 N Cambridge Place N 75xW 80, Piedmont. E Rose to M A Rose.....Oct. 14, 1916
Oct. 16, 1916—LOT 13 BLK "D" Excelsior Heights Tract, Okd. Martha E Edwards to Edwin C Graff.....Oct. 14, 1916
Oct. 16, 1916—LOT 13 BLK "Q" Map 4th Avenue Terrace, Okd. Manuel C and Cecelia C Figueredo to C E Harris and L G Hudson.....Oct. 14, 1916
Oct. 16, 1916—LOTS 9 AND 10 BLK "B" Lincoln Park, Piedmont. F O Nebeker to Geo W Nunes.....Sept. 30, '16
Oct. 17, 1916—SE TWENTY-SIXTH and Webster E 125xS 158, Okd. W A Smith to W E Whalin.....Oct. 14, 1916
Oct. 17, 1916—S BANCROFT WAY 450 E Dana, Berkeley. N R Franks to Janson Iron Works.....Oct. 12, 1916
Oct. 17, 1916—S BANCROFT WAY 450 E Dana, Bkly. N R Davidson to H E Franks.....Oct. 12, 1916
Oct. 19, 1916—PLOT 7, Patterson Ranch Rear 65 Lot; Cor. Melrose and 48th Aves 50x65, Okd. Mrs H B Pollard to Wm H Sims.....Sept. 15, 1916
Oct. 19, 1916—NW MONTANA AND Laguna Aves 60x100, Okd. Geo B McDonald to A H Rose & Co.....Oct. 19, 1916
Oct. 20, 1916—LOT 200 Crocker Highlands, Okd. Alta Piedmont Land Co to Christ Nelsen and Peter Buhman.....Oct. 17, 1916
Oct. 20, 1916—LOT 15 BLK 2 Map Rockridge Place, Okd. Banning & Stewart to whom it may concern.....Sept. 12, 1916
Oct. 20, 1916—LOT 3 BLK "J" Bryant Tract, Bkly. Matt L Koski to whom it may concern.....Oct. 18, 1916
Oct. 21, 1916—NW HIGH 239.97 SW Santa Rita SW 80 NW 105.94 NE 80.02 SE 103.95, Okd. Annie D Morris to A R Morris.....Sept. 22, 1916
Oct. 21, 1916—NW HIGH 119.97 SW Santa Rita SW 80 NW 103 NE 80.02 SE 101, Okd. Annie D Morris to A R Morris.....Oct. 17, 1916
Oct. 21, 1916—S LINE OAKLAND Homestead Tract and W In Broadway S 251 N 243 E 62-6, Okd. Alice Arnstein to P A Palmer.....Oct. 14, 1916
Oct. 23, 1916—W 40 LOT 23, Vernon Tract, Okd. A Hunse to R B Condysder and L Watson.....Oct. 21, 1916
Oct. 23, 1916—W HIGHLAND AVE 260 N Vista Ave N 45xW 130, Piedmont. Walter H Creighton to whom it may concern.....Completed —
Oct. 23, 1916—LOT 20 Map Brookside Manor, Okd. Joseph S Reef and Frank W Bilger to whom it may concern.....Oct. 1, 1916
Oct. 25, 1916—NE HAMPEL 120 NW 13th Ave or Park Blvd NE 38x120, Okd. Ida Fabing to Fred N Fabing.....Oct. 24, 1916
Oct. 25, 1916—CENTER LN COUNTY Road 520 1313.60 NE; NE ln County Road 2945 NE 4269.40 NW 1388 SW 4499 SE 2505.50 SE 1328.10 NE 1679.70, Washington Tp. Clara H Layson and Henry H Patterson to Thayer D Hall.....Oct. 20, 1916
Oct. 25, 1916—E LAGUNA AVE 35 N Montana N 35xE 102, Okd. I Ariel Kellogg to whom it may concern.....Oct. 24, 1916
Oct. 25, 1916—LOTS 44, 43, 42 and N 1236 Lot 41, Peralta Terrace, Okd. L W Andersen to whom it may concern.....Oct. 25, 1916
Oct. 25, 1916—PTN LOTS 8 AND 9

Blk 17, being N 1/2 Plots 84 and 85 Kellersberger's Map V & D, Peralta Rancho being W Bonita about 80 N Rose, Bkly. Caroline Wolbold to Jacob Kollmer.....Oct. 23, 1916
Oct. 26, 1916—LOT 13 BLK D Water-side Terrace Tract, Ala. Mark T Cole to whom it may concern.....Oct. 25, 1916
Oct. 26, 1916—W DEAKIN 45 N Woolsey, being Lot 2 Hawley Tract, Bkly. Clelia A Paroni to S Richmond.....Oct. 23, 1916
Oct. 27, 1916—SE BROADWAY 120 SW Central Ave SW 60xSE 140, Ala. Laura Hrubanik to whom it may concern.....Oct. 27, 1916
Oct. 27, 1916—SW PORTLAND AND Colusa, Oakland Tp. O Bernhus and J Kringling to whom it may concern.....Oct. 20, 1916
Oct. 27, 1916—LOT 17 BLK 1 Dwight Way Terrace, Bkly. M E Taylor to J G Taylor.....Oct. 25, 1916
Oct. 27, 1916—E PERALTA AVE, being No. 4004, Okd. C L Macki to M C Vaughn.....Oct. 26, 1916

LIENS FILED**ALAMEDA COUNTY.**

Oct. 11, 1916—NE JOHN AND MONT-gomery N 100xE 55, Okd. Robert B Macdonald vs Ed Collins and Frank Romano.....\$47
Oct. 11, 1916—NE JOHN AND MONT-gomery N 100xE 55, Okd. Howard Co vs Ed Collins and Frank Romano.....\$346.25
Oct. 11, 1916—S CHANNING WAY 290 W Telegraph Ave W 40xS 135, Bkly. Panama Lumber & Mill Co vs G W Patton & S A Talbert.....\$107.75
Oct. 11, 1916—LOT 20 Map Brook-side Manor, Okd. Howard Co vs Ed Collins and H J Reef.....\$236.30
Oct. 13, 1916—LOT 20 Brookside Manor, Oakland. P Bertinetti vs Edward Collins, Henry J Reef and Susan J Reef.....\$50
Oct. 13, 1916—PTN LOT 7 BLK "D" Revised Map Oakland Heights, Okd. G L Tyler vs Chas F Fallmer.....\$49
Oct. 13, 1916—NE JOHN AND MONT-gomery being No. 98 John St., Okd. Fred J Jackson, \$134.72; P Bertinetti, \$80; Thomas Bally, \$120 vs Edward Collins, Frank Romano and Susan Doe Romano.....\$60
Oct. 13, 1916—LOT 20 Brookside Manor, Oakland. Fred J Jackson vs Edward Collins, Henry J and Susan Doe Reef.....\$89.65
Oct. 13, 1916—LOT 20 Brookside Manor, Oakland. Thomas Bally vs Edward Collins, Henry J Reef and Susan Doe Reef.....\$60
Oct. 13, 1916—NE JOHN AND MONT-gomery N 100xE 55, Okd. Roberts Mfg Co vs Ed Collins and Frank Romano.....\$77.50
Oct. 13, 1916—SE DERRY & CALI-fornia E 58.70xS 47, Bkly. F W Foss Co vs Colored M E Church and J A Stout.....\$41.10
Oct. 13, 1916—NW 55 LOT 7 BLK 5 Howe Tract, Okd. John P Maxwell (Maxwell Hardware Co) vs E D Collins and Frank Romano.....\$95.19
Oct. 14, 1916—(1)PTN AUGHINBAUGH 223.374 Acre Tract: (2) Lots 22, 25, 26, 27 and Ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D B & M Sale Map No. 10,

Salt Marsh & Tide Lands, Alameda.
Burnham-Standeford Co vs A T
Spence and Surf Beach Amusement
Co\$1105.65
Oct. 14, 1916—SE JOHN AND MONTGOMERY SE 55xNE 100, Okd. Spott Bros vs Ed Collins and Frank Romano\$55
Oct. 16, 1916—NE 20 FEET LOT 31 and SW 20 feet Lot 32 Blk 9, Steinway Terrace, Oakland, Bass Hueter Paint Co vs A R and Annie D Morris and Taft & Menneki.....\$29.90
Oct. 16, 1916—PART OF CASTRO Ptn of Rancho San Lorenzo, Eden Tn. Fred J Russell vs Rasmus E Knudsen and Karen Knudsen.....\$67.40
Oct. 17, 1916—SE TWELFTH AVE 75 SW E-15th SW 50xSE 110, Okd. E K Wood Lumber Co vs G H Merithew, Estate Hattie D Merithew, James E and May J Reiter.....\$220.54
Oct. 18, 1916—LOT 17 Nova Piedmont Tract, Piedmont. M Stulsaft Co vs C E Wheeland and J A McKeever.....\$70
Oct. 18, 1916—LOT 17 BLK "F" Northbrae Terrace, Bkly. F W Foss Co vs Velma C and Clarence E Condon and C Fleischer\$108.63
Oct. 19, 1916—PTN LOT 8 Map Subdivision Kellersberger Plot 72, Okd. W S Hurst vs Lloyd E Rabjohn and C M Charman.....\$45
Oct. 20, 1916—LOT 18 BLK "M" Northbrae Terrace, Bkly. Tilden Lumber Co vs S B Batsford and J S Hanson\$51.84
Oct. 20, 1916—LOT 7 BLK "U" Map Oakland Heights, being No. 437 Elwood Ave, Okd. Inland Floor Co vs Charles F Palmer.....\$71
Oct. 21, 1916—(1) PTN AUGHINBAUGH 223.374 Acre Tract; (2) Lots 22, 25, 26, 27 and Ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2 S Range 4 W M D Sale Map No. 10, Salt Marsh & Tide Lands, Alameda, W W Montague & Co vs J O Davis & Surf Beach Amusement Co.....\$50.58
Oct. 21, 1916—SE TWELFTH AVE 75 SW E-15th SW 50xSE 110, Okd. Kimball Elec Co vs G H Merithew, Estate Hattie D Merithew, James E and May J Reiter.....\$135.93
Oct. 21, 1916—LOT 20 Brookside Manor, Okd. Spott Bros vs Ed Collins, Joseph S Reef and Frank W Bilger\$43.75
Oct. 21, 1916—LOT 17 on Jerome Ave Nova Piedmont Tract, Piedmont. A F Virgil vs C E Wheeland.....\$82.40
Oct. 21, 1916—LOT 17 Sheet No. 2 Nova Piedmont, Piedmont. Panama Lumber & Mill Co vs C E Wheeland\$48.93
Oct. 21, 1916—LOT 17 Map Nova Piedmont, Piedmont. John P Maxwell (Maxwell Hardware Co) vs Charles E Wheeland and W Perkins.....\$147.38
Oct. 21, 1916—PTN LOT 8 Map Sbdvn of Kellersberger's Plot No. 72, Okd. R B Stuart vs Lloyd E Rabjohn\$60.275
Oct. 23, 1916—(1) PTN AUGHINBAUGH 223.374 Acre Tract. Burnham-Standeford Co vs H A Christofel, Sanford Gordon, Surf Beach Amusement Co C L Williams and E W McConnell\$251.40
wood and George A Lloyd (Heywood Lumber & Supply Co) vs L E and Lois Rabjohn and C M Charuau\$233.10
Oct. 23, 1916—LOT 17 Map Nova Piedmont, Piedmont. W J Cahill vs Charles E Wheeland.....\$162.50

Oct. 23, 1916—LOT 17 Sheet No. 2, Nova Piedmont, Piedmont. John A McKeever vs Charles E Wheeland\$143
Oct. 24, 1916—PTN LOT 8 Sbdvn Kellersberger's Plot No. 72, Oakland Tp, Oakland. Charles D Heywood and George A Lloyd (Heywood Lumber & Supply Co) vs Maurice G and Bertha D Logan and C M Charuau\$197.05
Oct. 25, 1916—PIECE OF LAND bounded on N by Armstrong; E by Staab et al; S by East; W by First being Blk 2, Armstrong Tract, Hayward. Nils Quist vs Frank Caten, John Doe and Frank Vargas.....\$38.32
Oct. 26, 1916—LOT 4 AND NE 11 LOT 3 Blk "B" Map Everett Tract, Okd. George H Tay Co vs L L Woodard and L V Gelder\$83.22

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Oct. 26, 1916—SW TWELFTH AND Broadway W 100xS 100, Okd. Levy Estate Co as to improvements on leased property

SAN JOSE AND THE SANTA CLARA VALLEY

STORM WATER SEWER—Cost not stated. Hillsborough, San Mateo Co., Cal. Engineer, City Engineer, 440 Holbrook Bldg., S. F. Owners, City of Hillsborough. Bids will be opened on November 8th at 12 noon for the construction of a storm sewer from Kohlar avenue to San Mateo Creek, crossing the properties of San Mateo Realty and Investment Company and Hillsborough School District.

RECTORY—1 and 2 story, frame, \$15,000. San Mateo, San Mateo Co., Cal. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, St. Matthews Parish. Will contain social rooms and auditorium. Plans complete and figures being taken.

SCHOOL—1 and 2 story, brick and concrete, \$150,000. Palo Alto, Santa Clara Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L A Owners, Palo Alto School District. Preliminary plans have been approved and the architects are now at work on the finish drawings. Bids will not be called for until bonds are voted.

STORES AND OFFICES—2 story and base, reinforced concrete. Cost not stated. Palo Alto, Santa Clara Co., Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Gertrude M. Gardiner, W. Cranston and Norwood B. Smith. Location, University avenue and Bryant street. Will contain stores on the first floor and a number of offices above. Plans complete and a contract for excavating and grading awarded to Steve Anderson for \$2,200. Other work out for figures.

Contracts Awarded.

SCHOOL ADDITION—2 story, frame, \$7,444. Redwood City, San Mateo Co., Cal. Architect, Charles E. Hodges, Bankers' Investment Bldg., S. F. Owners, Sequoia School District. Contractor, Gus Waller, Redwood City. Contract price, \$7,444.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

STORES AND OFFICES

UNIVERSITY AVE AND BRYANT ST., Palo Alto. Excavating, grading, etc., for two-story and basement reinforced concrete stores and offices. Owner.....Gertrude M. Gardiner, W. Ornston and Norwood B. Smith, 1650 Waverly St., Palo Alto.

Architect...Henry H. Meyers, Kohl Bldg., San Francisco.

Contractor...Steve Anderson.

Filed Oct. 14, '16. Dated Oct. 10, '16.

On 1st and 15th of each month for each cubic yard excavated..... 50c
Usual 35 days..... 25%

TOTAL COST, \$—

Bond, \$1100. Surety, American Surety Co. of New York. Limit, none. Forfeit, \$10 per day. Plans and specifications, none.

FRAME DWELLING

QUINTO ROAD. All work for one and one-half-story 8-room frame dwlg.

Owner.....James Spangler.

Architect...F. D. Wolfe, Bank of Italy Bldg., San Jose.

Contractor...T. Charles Hastings, 75 Cleaves St., San Jose.

Filed Oct. 19, '16. Dated Oct. 7, '16.

Frame up and rafters set.....\$37.50
1st coat plaster on..... 737.50
Job accepted 737.50
Usual 35 days..... 737.50

TOTAL COST, \$2950.00

Bond, \$2950. Sureties, Geo. W. Dobson and Harry Guilbert. Limit, 75 days after filing. Forfeit, \$2 per day. Plans and specifications filed.

FRAME ASSEMBLY HALL

SAN CARLOS AND LORRAINE STS., San Jose. All work for one-story frame assembly hall.

OwnerRoman Catholic Archbishop of San Francisco, 1100 Franklin St., S. F.

Architect...Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Contractor...Al Compton, 547 N-17th St., San Jose

Filed Oct. 14, '16. Dated Sept. 11, '16.

Frame up\$93.25
1st coat plaster inside..... 93.25
Job accepted 93.25
Usual 35 days..... 93.25

TOTAL COST, \$3973.00

Bond, \$1986.50. Sureties, W. M. Stalker and S D. Williams. Limit, 100 days after filing. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

LENZEN AVE., bet. Stockton Ave and The Alameda, near San Jose. All work for one-story frame cottage with concrete foundation.

Owner.....Louis T. Lenzen, 110 S. Second St., San Jose.

Architect...Louis T. Lenzen, 110 S. Second St., San Jose.

Contractor...S. H. Gandrup, 132 N-16th St., San Jose.

Filed Oct. 16, '16. Dated Oct. 5, '16.

Foundations and floor joists in.....\$750
Frame completed 750
Roof plastering done..... 656
Job accepted 656
Usual 35 days..... 938

TOTAL COST, \$3750

Bond, \$1875. Sureties, W. H. Wood

and W. H. Christmas. Limit, 75 days after filing. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOWS

STANFORD CAMPUS, Palo Alto. All work for two frame bungalows.

Owner.....Leland Stanford Jr. University, Palo Alto.

Architect...R. W. Pollmer, 465 Lytton Ave., Palo Alto.

Contractor...E. J. Kingham.

Filed Oct. 19, '16. Dated Oct. 16, '16.

1st day of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$6197

Bond, \$3200. Surety, American Surety Co. Limit, 75 days from date. Forfeit, \$10 per day. Plans and specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

COTTAGE

LOT 37 BLK 6, Crocker Estate Tract No. 1, San Mateo. All work for one-story and basement 5-room cottage.

Owner.....A. Vireno.

Architect...None.

Contractor...Wm. H. Grahn, 2810 Bryant, San Francisco.

Filed Oct. 19, '16. Dated Oct. 18, '16.

When framed\$412.50

Brown plastered 412.50

When completed 412.50

Usual 35 days 412.50

TOTAL COST, \$1650.00

Bond, \$800. Sureties, Ahe Rosenstein and Geo. V. Nicholls. Limit, 90 days Forfeit, none. Plans and specifications none.

RESIDENCE

LOTS 1, 2, 3, 12, 13 AND 14 BLK 5, Burlingame Hills, Burlingame. Plumbing work for two-story residence.

Owner.....Mrs. Edwin Christenson, San Francisco.

Architect...Chas. E. Gottschalk, Phelan Bldg., San Francisco.

Contractor...Alexander Coleman, 706 Ellis St., San Francisco.

Filed Oct. 19, '16. Dated Oct. 18, '16.

On 1st of each month..... 65%

Usual 35 days..... 25%

10% retained until all plumbing fixtures are installed, etc.....

TOTAL COST, \$1275

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW

LOT 9 BLK 6, Burlingame Villa Tract, Burlingame. All work for one-story frame bungalow with shingled roof.

Owner.....A. and Anna E. Finnigan (wife), Ocean View, Cal.

Plans by...S. McClure, Burlingame.

Contractor...S. McClure, Bayswater, Burlingame.

Filed Oct. 26, '16. Dated Oct. 23, '16.

When framed\$500

When plastered 500

When completed 500

Usual 35 days..... 500

TOTAL COST, \$2000

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME SCHOOL

REDWOOD CITY. All work for two-story frame and plastered exterior on pile foundation school building.

Owner.....Sequoia Union High School

Redwood City.

Architect...Charles Ed. Hodges, Bankers' Investment Bldg., S. F.
Contractor...Gus Waller, 403 Phelps St., Redwood City.

Filed Oct. 25, '16. Dated Oct. 17, '16.

Foundation, etc. for 1st floor completed\$1116

When framed 1116

Ready for plastering..... 1116

When plastered 1116

Completed, etc. 1116

Usual 35 days..... 1864

TOTAL COST, \$7444

Bond, \$3722. Sureties, Daniel Stafford

and W. P. Gray. Limit, none. Forfeit,

\$5 per day. Plans and specifications

filed.

RESIDENCE AND OFFICE

½ LOT 48 BLK 9, School House Extension Homestead, Colma. All work for one-story residence and office building.

Owner.....W. G. Beattie, Colma.

Architect...None.

Contractor...Chris. & George F. Larsen, 1132 Rhinette, Burlingame.

Filed Oct. 25, '16. Dated Oct. 25, '16.

When framed\$607

When plastered 607

Carpenter work and tinning completed 608

Completed and accepted..... 608

Usual 35 days..... 810

TOTAL COST, \$3240

Bond, none. Limit, 70 days. Forfeit,

none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED

ACCEPTED

Oct. 16, 1916—LOT 4 Wilson Sbdvn,

Sunnyvale. Susan Spreen to whom

it may concern.....Oct. 11, 1916

Oct. 17, 1916—WILLARD AVE AND

Stevens Creek Road. Emily F. Williams

to whom it may concern.....

Oct. 5, 1916

LIENS FILED

SANTA CLARA COUNTY.

RECORDED

AMOUNT

Oct. 21, 1916—GISH ROAD, S H Chase

Lumber Co vs Anna Birck.....\$38.16

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED

ACCEPTED

Oct. 20, 1916—LOT 22 BLK 3, Co-

operative Land & Trust Co Tract

Sub No. 1, North Palo Alto. George

P. Cleese to whom it may concern

.....Oct. 18, 1916

Oct. 21, 1916—CANADA DE RAY-

mondo. W B Brown to W D Hen-

derson.....Oct. 19, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES

SIDEWALKS, ETC.—Cost not stated.

Martinez, Contra Costa Co., Cal.

Engineer, City Engineer, Martinez. Owners,

City of Martinez. Bids will be

opened on November 6th for street im-

provements authorized under the fol-

lowing resolutions: That cement side-

walks be constructed on both sides of

Escohar street between Pine street to

that portion of Escohar street located

opposite the property designated as "Jones." That Berrollesca street be graded and put in a fit condition to be rocked from the easterly line of Susana street to the southerly boundary line of the right of way of the Southern Pacific Railroad.

APARTMENT HOUSE AND STORES

—3 story and base, brick and steel,

\$45,000, Richmond, Contra Costa Co.,

Cal. Architect, James T. Narbett, 91

Macdonald avenue, Richmond. Owner,

Herbert Brown, Wells-Fargo Bldg., S. F.

Location, northeast Macdonald ave-

nuce and 10th street, covering an area

of 51 by 100 feet. Will contain a num-

ber of stores and two, three and four

room apartments. Plans complete and

figures to be called for shortly.

RESIDENCE — 1 story and base,

frame, \$1,000, Richmond, Contra Costa

Co., Cal. Architect, none. Owner, J. R.

Davis, 515 18th street, Richmond. Lo-

cation, Bay View avenue corner of E

street. Will contain four rooms and

bath. Plans complete and work to be

done by Day Labor.

RESIDENCE — 1 story and base,

frame, \$1,500, Richmond, Contra Costa

Co., Cal. Architect, none. Owner, A. C.

Ormsby, Richmond. Location, 7th

street near Pennsylvania. Will con-

tain five rooms and bath. Plans com-

plete and work to be done by Day

Labor.

RESIDENCE — 1 story and base,

frame, \$1,700, Richmond, Contra Costa

Co., Cal. Architect, James T. Narbett.

Location, Pennsylvania between 7th

and 8th streets. Will contain five

rooms, bath and sleeping porch. Plans

complete and work to be done by Day

Labor.

HOTEL — 3 story, frame, \$50,000.

Pittsburg, Contra Costa Co., Cal. Ar-

chitect, William Knowels, Hearst Bldg.,

S. F. Owners, C. A. Hooper Lumber

Co., Balboa Bldg., S. F. Will contain

office, dining room and kitchen on the

first floor. Upper floors arranged for

75 rooms. Plans complete and work

to be done by Day Labor.

Contracts Awarded.

HIGHWAY EXTENSION — \$4,099.

Martinez, Contra Costa Co., Cal. En-

gineer, County Surveyor, Martinez.

Owners, Contra Costa County. Con-

tractor, W. E. Price, Martinez. Contract

price, \$1,099.

STREET IMPROVEMENTS, \$20,151-

21, Richmond, Contra Costa Co., Cal.

Engineer, City Engineer, Richmond.

Owners, City of Richmond. Contractor,

George Cushing, 420 Macdonald avenue,

Richmond. Contract price, \$10,151.21.

BUILDING CONTRACTS

MARIN COUNTY.

STORE BUILDING

SAUSALITO. Carpenter work, hard-

ware, glazing, etc., for one-story re-

inforced store building.

Owner.....Henry Kruse.

Architect...O'Brien Bros., 240 Mont-

gomery St., San Francisco.

Contractor...Peter Hamilton.

Filed Oct. 26, '16. Dated Oct. 12, '16.

On 1st and 15th of each month 75%

Usual 35 days..... 25%

TOTAL COST, \$950

Bond, none. Limit, 45 days. Forfeit,

none. Plans and specifications filed.

FREIGHT DEPOT

NOVATO, Marin Co. All work for frame freight and passenger depot covered with stucco.

Owner.....Northwestern Pacific Railroad Co., (Corp.), Phelan Bldg., San Francisco.

Architect ...D. J. Patterson, 46 Kearny St., San Francisco.

Contractor...H. P. Vogensen, 600 Fifth St., Petaluma, Cal.

Filed Oct. 20, '16. Dated Oct. 3, '16.

Frame up\$1250

Exterior mill work up..... 1250

Completed 1250

Usual 35 days..... 1250

TOTAL COST, \$5000

Bond, \$2500. Surety, United State Fidelity & Guaranty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

RESIDENCE

LOT 1 BLK 13 Map of Turpins Tract. City of Richmond. Excavating, concrete and cement work, brick, carpenter, glazing, electrical, tinning, plumbing and painting for one-story residence.

Owner.....Charles H. Nicholson, 209 First St., Richmond.

Plans by ...N. E. Anderson.

Contractor...Norman E. Anderson, 315 Nevlin Ave., Richmond.

Filed Oct. 23, '16. Dated Oct. 20, '16.

Frame up complete.....\$450

Plastering done 450

Completed and accepted..... 450

Usual 35 days..... 450

TOTAL COST, \$1800

Bond, none. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

HULL OF FERRY BOAT

LOCATION NOT GIVEN. Build, equip and deliver the hull, complete, of a side wheel ferry boat.

Owner.....Martinez-Benicia Ferry & Transportation Co., Martinez, Cal.

Architect ...None.

Contractor...Johnson & Lanteri, 1/2 mile east of Pittsburg, Cal.

Filed Oct. 2, '16. Dated Sept. 19, '16.

Contract signed and bond provided for delivered.....\$6156.49

Keel laid and 2 stern posts set up 3078.24

Vessel in frame..... 3078.25

Outside and inside plank on and fastened and 1st layer of main deck is laid..... 6156.49

Launched and ready for machinery and boilers..... 6156.49

Completed and accepted..... 6156.49

TOTAL COST, \$30,782.45

Bond, \$30,000. Surety, Hartford Accident & Indemnity Co. Limit, By March 19, 1917. Forfeit, none. Plans and specifications filed.

ROAD WORK

AVON, CAL., at Companis' plant on tract No. 2. All work for road work.

Owner.....Associated Oil Co., Avon, Cal. and Sharon Bldg., S. F.

Engineer ...A. F. L. Bell, Sharon Bldg., San Francisco.

Contractor...Chadwick & Sykes, Inc., Crocker Bldg., S. F.

Filed Oct. 6, '16. Dated Sept. 29, '16.

On 10th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$

Bond, \$8500. Surety, Guardian Casualty & Guaranty Co. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

FRAME COTTAGES

BRENTWOOD, CAL., piece of land containing 69 acres. All work for three four-room frame cottages.

Owner.....Great Western Power Co., 14 Sansome, San Francisco

Engineer...E. W. Beardsley, 14 Sansome, San Francisco.

Contractor...N. H. Bateman, R. A. Clark and R. B. Decker, Brentwood, Cal.

Filed Oct. 25, '16. Dated Oct. 12, '16.

On 15th of each month.....

TOTAL COST, \$4998

Bond, \$2500. Sureties, Robt. Wallace Jr. and C. L. Clark. Limit, forfeit, none. Plans and specifications filed.

FRAME SHOP BUILDINGS

SANTA FE YARDS, Richmond. Three frame shop buildings.

Owner.....Santa Fe Rail Road Co.

Architect ...None.

Contractor...Yard & Hitchbom.

COST, \$32,000

FRAME COTTAGE

PENNSYLVANIA AVE., bet. 7th and 8th Sts., Richmond. One-story frame cottage.

Owner.....J. T. Narbett, 910 Macdonald Ave., Richmond.

Architect ...None.

Day's work..... **COST, \$1700**

FRAME DWELLING

SEVENTH ST., bet. Pennsylvania and Lucas, Richmond. One-story frame dwelling.

Owner.....A. C. Ormsby, Richmond.

Architect ...None.

Day's work..... **COST, \$1500**

FRAME DWELLING

BAY VIEW AVE Cor. E St., Richmond.

One-story frame dwelling.

Owner.....J. R. Davis, 545 18th St., Oakland.

Architect ...None.

Day's work..... **COST, \$1000**

COMPLETION NOTICES

MARIN COUNTY.

RECORDED AMOUNT

Oct. 19, 1916—NEEDS STATION. John P. Reed to Chris Armbruster.....

Oct. 17, 1916.....

Oct. 20, 1916—SAN GERONIMO. Lagunitas Development Co. to whom it may concern.....Oct. 18, 1916

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED ACCEPTED

Oct. 3, 1916—LOTS 5 AND 6 BLK 24

of Additional Survey of Town of Martinez. A E Deinkel to L Bulger & Son.....Oct. 3, 1916

Oct. 14, 1916—AVON, CAL., at Associated Oil Co's Plant. Associated Oil Co to McDonald & Kahn.....

Oct. 5, 1916.....

Oct. 23, 1916—AVON, CAL., at Company's Plant. Associated Oil Co to McDonald & Kahn.....Oct. 14, 1916

LIENS FILED

CONTRA COSTA COUNTY.

RECORDED AMOUNT

Oct. 16, 1916—PTN LOT 260 of San Pablo Rancho. Stege Lumber & Hardware Co vs Mikado Nursery Co\$324.07

Oct. 20, 1916—WILCOX UPLANDS, SE 1/4 of S8E 1/4 of Sec 15 T 1 S R 3 W of Reg near O A & E rd. James White vs Ellen A Wilcox.....\$61

LIENS FILED

SONOMA COUNTY.

RECORDED AMOUNT

Oct. 20, 1916—AGUA CALIENTE Springs. P H Kroecke (planing mill) vs Theo Richards and wife.....\$900

Oct. 20, 1916—SONOMA. Camm & Hedges vs James C and Rosa H Rector\$221.72

Oct. 21, 1916—AGUA CALIENTE Springs. F Clewe vs Theo Richards and wife\$714.45

Oct. 21, 1916—DUNCAN'S MILLS. Laton Lumber & Investment Co vs H Griffin\$162.25

Oct. 18, 1916—AGUA CALIENTE Springs, Sonoma. M Sugarman vs A M Hildebrandt & Theo Richards\$1860.60

Oct. 19, 1916—AGUA CALIENTE Springs. D K Hawley vs Theo Richards & A M Hildebrandt.....\$748.10

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

STREET PAVING—\$20,000. Delano, Kern Co., Cal. Engineer, City Engineer, Delano. Owners, City of Delano. Several miles of street paving have been ordered by the Trustees, they having issued a call for bids to be received up to November 6th for connecting up the state highway through Delano. Plans and further information may be had from the Clerk of the Board of Trustees.

IRRIGATION WORK—Cost not stated. Waterford, Stanislaus Co., Cal. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Bids will be opened on November 14th at 10 a. m. for the construction of portions of the main canals of the Waterford Irrigation District. Proposals will be received on five separate sections of the work, which will be known and described as follows, to wit:

Section 1. Which is those portions of the upper main canal of the Waterford Irrigation District lying between Engineer's Station 0 plus 00 and 50 plus 50, and Engineer's Station 86 plus 00 and 207 plus 00, comprising in all the excavation of approximately 45,000 cubic yards of open excavation.

Section 2. Which is that portion of the upper main canal of the Waterford Irrigation District lying between Engineer's Stations 50 plus 50 and 86 plus 00, comprising in all the excavation of approximately 2,200 lineal feet of 8-foot diameter tunnel and 3,800 cubic yards of portal excavation.

Section 3. Which is that portion of the upper main canal of the Waterford Irrigation District lying between Engineer's Stations 207 plus 00 and 335

plus 00, comprising in all the excavation of approximately 45,000 cubic yards of open excavation.

Section 4. Which is that portion of the lower main canal of the Waterford Irrigation District lying between Engineer's Stations 6 plus 00 and 15 plus 00, comprising in all approximately 55,000 cubic yards of open excavation.

Section 5. Which is that portion of the lower main canal of the Waterford Irrigation District lying between Engineer's Stations 157 plus 00 and 328 plus 00, comprising in all approximately 55,000 cubic yards of open excavation.

BRIDGES—5, reinforced concrete and timber. Cost not stated. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. Bids will be opened on November 14th for the construction of the following bridges: A reinforced concrete bridge on Middle road over San Luis Creek, known as Bridge No. 47. A wooden bridge on concrete abutments and pier over South Fork of Dutchman's Creek on the Baxter road, known as Bridge No. 48. A wooden bridge on concrete abutments and pier over Mariposa Creek on the Pate road, known as Bridge No. 49. A reinforced concrete bridge over slough on the Merced and Fresno road, now State highway, known as Bridge No. 50. A wood and concrete bridge over Canal Creek on Cox Ferry road, known as Bridge No. 51.

LIGHT SYSTEM—Cost not stated. Tulare, Tulare Co., Cal. Engineer, City Engineer, Tulare. Owners, City of Tulare. The Board of City Trustees has issued a call for bids for installing an electroliter street lighting system. Bids for the work will be opened on November 6th at 7:30 p. m. Plans and further information may be had from the City Clerk.

LIBRARY—1 story, concrete and frame. Cost not stated. Oakdale, Stanislaus Co., Cal. Architect, Hugh Y. Davis, 1015 Weldon avenue, Fresno. Fresno. Owners, Stanislaus County. Bids will be opened on November 14th at 2 p. m. for constructing a one-story frame and concrete building. Plans on file at the office of the County Clerk.

STORES AND OFFICES—6 story and base. Class A construction, \$163,000. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Cory Bldg., Fresno. Owner, Mrs. Nellie Mason. Location J street, covering an area of 100 by 75 feet. Will contain four stores on the ground floor and a total of 150 offices. Working drawings being completed and figures to be called for about January 1st.

HARDWARE STORE—3 story and base, brick and concrete. Cost not stated. Tulare, Tulare Co., Cal. Architect, E. J. Kump, Rowell Bldg., Fresno. Owners, Linder Hardware Co. Will cover a considerable ground area. Plans being prepared.

STREET IMPROVEMENT—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be opened on November 6th for street improvements authorized under the following resolution: That Franklin avenue, from the east line of North Van Ness avenue to the west line of College avenue, be graded and macadamized and curbed with concrete curbing.

SCHOOL ADDITION—3 story and base, brick, \$55,000. Fresno, Fresno Co., Cal. Architect, Conates & Traver, Rowell Bldg., Fresno. Owners, City of Fresno. Location, southeast Stanislaus and O streets. The addition will be built to the north end of the present High School. Plans are complete and bids will be opened on November 16th.

Contracts Awarded.

SANITARIUM—2 story and base, brick and frame, \$3,185. Merced, Merced Co., Cal. Architect, none. Owner, S. Anet, Merced. Contractor, H. J. Snell, Merced. Contract price, \$3,185. Note: Contract does not include heating.

SEWER CONSTRUCTION—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, Thompson Bros., 514 H street, Fresno. Contract price not stated.

BUILDING CONTRACTS FRESNO COUNTY.

SCHOOL

8 PTN SEC 24, 17-19, Fresno. All work for one-story school building. Owner.....Riversdale Joint Union High School District.

Architect...Ernest J. Kump, Rowell Bldg., Fresno.

Contractor...T. R. White t-Shields Co., Rowell Bldg., Fresno.

Filed Oct. 26, '16. Dated Oct. 23, '16.

Monthly payments of.....75%

Usual 35 days.....25%

TOTAL COST, \$25,890

Bond, none. Limit, 150 working days.

Forfeit, \$25. Plans and specifications filed.

ALTERATIONS

LOTS 8 AND 9 BLK 70, Fresno. Alterations on stores.

Owner.....Geo. C. Roeding, Holland Bldg., Fresno.

Architect...None.

Contractor...H. P. Hoyt & Co.

COST, \$4500

ALTERATIONS

NO. 1922 MARIPOSA ST., Fresno. Alter store.

Owner.....Glenn Estate.

Architect...None.

Contractor...E. J. Farr, 245 Fortcamp St., Fresno.

COST, \$1738

BUILDING CONTRACTS FRESNO COUNTY.

DWELLING

LOTS 5 AND 6 BLK 10, Terry Tract, Fresno. Dwelling.

Owner.....Mrs. N. Scott.

Architect...None.

Day's work. **COST, \$1000**

LIENS FILED

FRESNO COUNTY.

RECORDED AMOUNT

Oct. 18, 1916—BLK 20 Alta Vista Tet, Fresno. Lobaza Stanley vs Jas L. Miller.....\$131

Oct. 20, 1916—LOT 21 W 20 feet Lot

22 Blk 11, College Addition, Fresno.

Howard C Bingham, \$73; F B Johnson, \$172 vs Mrs B M Trautwein...

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGE FILL—Cost not stated. San Andreas, Calaveras Co., Cal. Engineer, County Surveyor, San Andreas. Owners, Calaveras County. Bids will be

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

ended on November 6th for filling the approaches to the concrete bridge recently constructed across the Middle Fork of the Mokelumne River, in the Mokelumne Road District, between the Wines of Railroad Flat and West Point.

SIDEWALK CONSTRUCTION—Cost not stated. Eureka, Humboldt Co., Cal. Engineer, City Engineer, Eureka. Owners, City of Eureka. Bids will be opened on November 6th for the construction of a concrete sidewalk and a taining wall on Grant and B streets about the Jefferson School property and for furnishing of all labor and material necessary therefor.

DRAINAGE SYSTEM UNITS—Cost not stated. Richvale, Butte Co., Cal. Engineer, Chief Engineer, Drainage District No. 100, Richvale. Owners, Drainage District No. 100. Bids will be opened November 10th at 7:30 p. m. for the construction of units 1, 2, and 3 of the outlet drain for Drainage District No. 100 of Butte County. The work to be done under said proposals constitutes only a part of the drainage work annexed for said district, being that portion thereof lying outside of the district and extending from the southwest corner thereof to Butte Creek, comprising a ditch 6.5 miles, more or less, in length. Unit 1 is estimated to require the removal of about 9,510 yards of earth; unit 2 about 27,700 yards and unit 3 about 72,100 yards. Bids will be received for separate units or for the work as a whole.

SEWER CONSTRUCTION—Cost as follows. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications prepared by the City Engineer for the construction of storm water sewers from the junction of 15th street and McKinley avenue to DeCougall Canal were approved by the Council and a call for bids has been issued. This work also calls for a concrete sump. The City Engineer's estimate for the work amounted to \$8,596.00. Sealed proposals will be opened on November 3rd. The Council also adopted plans and specifications for a storm water sewer to discharge in Yosemite Lake, estimated cost \$679.25. Plans and further information may be had from the City Clerk.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That Cornell avenue from Florence avenue to 35th street be improved by constructing concrete curbs and gutters; one concrete manhole; placing 6-inch, vitrified, ironstone sewer pipe, elbows attached, with one cast iron gutter drain; 14 linear feet of 6-inch, vitrified ironstone sewer pipe drain, 25 feet of 8-inch, vitrified ironstone sewer pipe drain; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat and an asphaltic concrete

wearing surface 1½ inches thick. Awarded to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That the alley between 5th avenue and 6th avenue and between East avenue and Sacramento avenue, in Oak Terrace and South Oak Park, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; 4 concrete manholes complete; placing 90 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer. Awarded to Joe Lawrence, Broderick, Cal.

That the alley between Allen avenue and V street, from T Street Addition to 34th street, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; 2 concrete manholes complete; placing 26 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and doing all necessary excavating and backfilling of trenches. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

That the alley between Y street and Orange avenue, from 37th street to 10th street in South Sacramento, Subdivision B, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; 4 concrete manholes; placing 64 6-inch, vitrified Y branches on 8-inch pipe sewer, and doing all necessary excavating and backfilling of trenches. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

That Cornell avenue, from Clark avenue to Florence avenue, be improved by constructing concrete curb and gutter; 10 linear feet of 6-inch, vitrified, ironstone sewer pipe, elbows attached; 7 linear feet of 8-inch, vitrified, ironstone sewer pipe drain; placing one cast iron gutter drain with 8-inch, vitrified, ironstone sewer, etc.; grading the space between the property line and curb; construct concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete foundation 4 inches thick, an asphaltic concrete wearing surface 1½ inches thick. Awarded to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

That 35th street, from P street to S street, be improved by constructing concrete curb and gutter; 6 and 8-inch, vitrified, ironstone sewer pipe drains; 2 concrete manholes; reconstructing 2 concrete manholes; placing 6 cast iron gutter drains with 6-inch vitrified, ironstone sewer pipe elbows attached; grading the space between the property line and curb; constructing concrete sidewalk; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick an asphaltic cement flush coat and asphaltic wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

That the easement grant between 3rd avenue and 4th avenue in Oak Grove, from Lower Stockton road to a point 104 feet west of the west line of East avenue, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer with 51 6-inch, vitrified, ironstone branches; constructing three concrete manholes complete and back-

filling the trench. Awarded to Joe Lawrence, Broderick, Cal.

That 20th street, from C street to R street, except certain intersections, be improved by grading the space between the property line and curb, constructing concrete sidewalk. Awarded to Joe Lawrence.

That Ashby avenue be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from J street to a point 106 feet north from the intersection of the center line of Ashby avenue with the north line of lot No. 16 in J Street Suburban Tract No. 1 produced west; constructing 2 concrete manholes; placing 30 6-inch, vitrified, ironstone Y branches on 8-inch, vitrified ironstone pipe sewer; placing 300 liner feet of concrete protective covering over sewer pipe, and doing all necessary excavating and backfilling of trenches. Awarded to Joe Lawrence.

That the easement granted the city of Sacramento for the purpose of constructing a sewer between 4th avenue and 5th avenue from Lower Stockton road to East avenue, be improved by constructing an 8-inch, vitrified, ironstone pipe sewer; 6 manholes; placing 60 6-inch, vitrified, ironstone Y branches on 8-inch sewer, and excavating and backfilling trench. Awarded to Joe Lawrence.

That the alley between T street and U street, from 31st street to 34th street, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; three concrete manholes complete; placing 52 6-inch, vitrified, ironstone Y branches on 8-inch, vitrified, ironstone pipe sewer. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

PUMPING STATION—Concrete. Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. The City Council has approved plans and specifications for the installing of a new pumping station on the east side of Yosemite Lake, and bids have been ordered received up to November 3rd. Plans may be had from the City Clerk.

SIPHON—Cast iron, \$2,859.82. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans for a 26-inch cast iron siphon across the Smith Canal have been approved by the Stockton City Council and the Clerk has been instructed to receive bids on the work up to November 3rd. Plans and further information may be had from the City Clerk.

COURT HOUSE REPAIRS—Cost not stated. Stockton, San Joaquin Co., Cal. Architect, Franklin E. Warner, San Joaquin Bldg., Stockton. Owners, San Joaquin County. Bids will be opened on November 15th for painting, staining, varnishing and tinting all halls and toilet rooms of the County Court House.

HOTEL AND STORES—4 story and base, brick and steel, \$150,000. Chico, Butte Co., Cal. Architect, W. Coffman. Waterland-Breslauer Bldg., Chico. Owners, Breslauer Estate et al. Location, Fifth and Main streets. Will contain stores on the first floor and a total of 150 rooms above. Plans complete and figures to be called for about January first.

SCHOOL—1 story and base, brick, \$6,000. Los Molinas, Tehama Co., Cal. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Los Molinas School District. Bids for this work, formerly received, were rejected and new plans are being prepared. Bids will be called for shortly.

STORE—1 story and base, brick, \$2,500. Sacramento, Cal. Architect, none. Owners, Caswell Co., 411 J street, Sacramento. Location, 1511 Sixth street. Plans complete and work to be done by Day Labor.

BRIDGES—2 reinforced concrete. Cost not stated. Willows, Glenn Co., Cal. Engineer, County Surveyor, Willows. Owners, Glenn County. Bids will be opened on November 11th at 10 a. m. for constructing a reinforced concrete bridge over Hambright Creek, designated as the "Mason Bridge," about two miles northwest of Orland, in Road District No. 2. Also for constructing a reinforced concrete bridge, designated as the "West Bridge," in Road District No. 2. Also for constructing a reinforced concrete bridge over Hambright Creek, designated as the "Lachenmyer Bridge," about four miles northwest of Orland, in Road District No. 2.

BRIDGES—2, timber truss. Cost not stated. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Bids will be opened on November 14th for the construction of two wooden truss bridges over Bull Creek in Road District No. 2.

GARAGE—1 story and base, brick, \$8,000. Manteca, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, Josh Cowell. Will cover an area of 75 by 150 feet. Designed for a commercial garage. Plans complete and figures being taken.

Contracts Awarded.

CANAL CEMENTING—Cost not stated. Anderson, Shasta Co., Cal. Engineer, Chief Engineer, Anderson-Cottonwood Irrigation District. Contractor, Alex Carlson, Anderson. Contract price not stated.

LIBRARY—1 story and base, brick, \$3,365. Bayliss, Glenn Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Glenn County. Contractor, W. R. Zumwalt, Willows. Contract price, \$3,365.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

PAVING

N line Alley O and R Sts to N curb line of T St on Third St., Sacramento. All work for paving street.

Owner.....Pacific Gas & Electric Co., 11th & K Sts., Sacramento.

Architect...None.

Contractor...Clark & Henry Constr. Co., Osbesner Bldg., Sacramento.

Filed Oct. 18, '16. Dated Oct. 17, '16. TOTAL COST, 67½ cts per sq. ft.

FRAME DWELLING

NO. 1517 TWENTY-FOURTH. One-story frame dwelling.

Owner.....C. N. Mier, 3225 T St, Court Sacramento.

Architect...None.

Contractor...Chatterton Bros., 3126 T St, Court, Sacramento. COST, \$2600

BRICK BUILDING

NO. 1811 SIXTH ST., bet. R, S, 6th and 7th Sts., Sacramento. One-story brick building.

Owner.....Caswell Co., 411 J St., Sacramento.

Architect...None.

Day's work. COST, \$2500

FRAME DWELLING

LOT 1274 W. & K. NO. 27, Sacramento. One-story frame dwelling.

Owner.....A. T. Cummins, Miller Ave Sacramento.

Architect...None.

Contractor...Cummins Contracting Co. COS, \$2400

FRAME DWELLING

NO. 1916 THIRTEENTH ST., Sacramento. One-story frame dwelling.

Owner.....Mrs. Alice Haynes, Oak Park, Sacramento.

Architect...None.

Contractor...J. W. Campbell. COST, \$2400

FRAME DWELLING

NO. 2907 W. S., Sacramento. One-story frame dwelling.

Owner.....Frank Desmond.

Architect...None.

Contractor...Thos. Johnson, 2921 W St., Sacramento. COST, \$1800

STORE AND ROOMS

NO. 308 L ST., Sacramento. Two-story and basement store and rooms.

Owner.....Ed. Walsh, 408 L St., Sacramento.

Architect...None.

Contractor...Chas. A. Vanina, 2022 M St., Sacramento. COST, \$2500

ALTERATIONS

NO. 830 O ST., Sacramento. Place two story dwelling on foundation and make repairs.

Owner.....Mrs. Edith Tade.

Architect...None.

Contractor...J. E. Harris, 1114 P St., Sacramento. COST, \$2000

NO. 910 SEVENTH ST., Sacramento.

Install 1500-gallon oil storage tank.

Owner.....Florence E. Atkinson and E. F. Guppen, Bryte Bldg., Sacramento.

Architect...None.

Contractor...Hatley & Hatley, 1915 11th St., Sacramento. COST, \$1800

ADDITIONS

N 78 FEET E 62½ FEET LOT 4 C, P, 8th and 9th Sts., Sacramento. Additions to two-story frame building at No. 1814 Tenth St. to be moved to premises.

Owner.....Edith B. Tade fmly Edith B. Dierssen, 920 H St., Sacramento.

Architect...None.

Contractor...J. E. Harris, 1114 P St., Sacramento.

Filed Oct. 23, '16. Dated Oct. 21, '16.

COST, \$173

NOTE:—First report Oct. 25, 1916.

ELECTRIC SIGN

NO. 1203 J ST., Sacramento. Erect electric sign.

Owner.....Strand Theatre, Premises.

Architect...None.

Contractor...California Mechanical Elec. Eng. Co., 2906 R St, Sacramento. COST, \$65

BUILDING

NO. 615 M ST., Sacramento. Erect building for boxing exhibit.

Owner.....A. A. Van Voorhies Esq et al, 322-324 J St., Sacramento.

Architect...None.

Contractor...Ed Harvie, 2212 T St., Sacramento. COST, \$60

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED

Oct. 21, 1916—LOT 4 L, M, 27th and 28th Sts., Sacramento. Scottish Rite Cathedral Ass'n of Sacramento to Mealy & Collins.....Oct. 20, 1916

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

BANK AND OFFICE BUILDING

SW MAIN AND SAN JOAQUIN STS Stockton. Masonry, ordinary terra cotta and ornamental "masonry work" for nine-story bank and office building.

Owner.....Farmers & Merchant Bank, 238 E-Main St, Stockton.

Architect...George W. Kelham, Sharol Bldg., San Francisco.

Contractor...E. L. Morrison, 1812 S Grant St., Stockton.

Filed Oct. 18, '16. Dated Oct. 11, '16.

On 1st and 15th of each month 75% 36 days after.....Balance in full

TOTAL COST, \$23,01

Bond, \$11,509. Sureties, I. P. Stein and Fillmore Marks. Limit, inside walls, 30 days; all work within 40 days after notice. Forfeit, liable to all damage Plans and specifications filed.

BRICK STORES, ETC.

PTN LOTS 15 AND 16 B1&K 12, East of Center St., Stockton. Concrete work excavating, granite curbs, side walk doors, brick work, iron and steel work, carpenter work, side walks plumbing, electrical work and roofing for three-story and basement brick stores and rooming house.

Owner.....R. E. Wilhoit, 232 E-Main St., Stockton.

Architect...Henry H. Meyers, Koh Bldg., San Francisco.

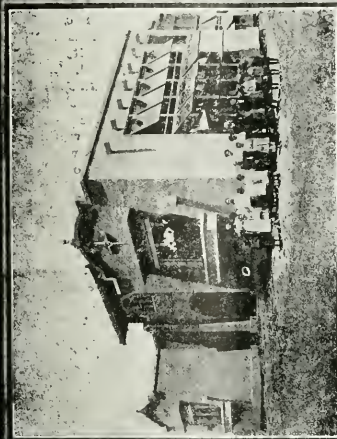
Contractor...James Mulcahy, 526 N Grant St., Stockton.

Filed Oct. 21, '16. Dated Oct. 21, '16.

1st of each month..... 75% Usual 35 days.....Balance

TOTAL COST, \$21,743

Bond, \$10,872. Surety, Globe Indemnity Co. Limit, 100 working days after date of paper. Forfeit, \$10 per day. Plans and specifications filed.



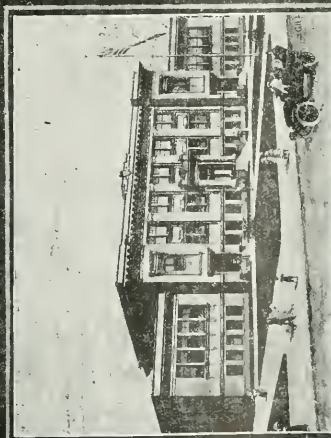
COLLEGE PARK SCHOOL - SAN JOSE - Frank D. Wolfe Architect



INTERIOR VIEW-TSCHESNEY SCHOOL - J.J. Donovan
Supervising Archt.



ROCK RIDGE SCHOOL, OAKLAND - J.J. Donovan Supervising Archt.



WOODLAND SCHOOL - N.H. Weeks Architect

Equipped with SIMPLEX WINDOWS 525 Market St., S. F.
Send for Catalog. Agents wanted for unoccupied territory.

LOS ANGELES AND SOUTHERN CALIFORNIA

HOTEL—11 story and base. Class A construction, \$120,000. Los Angeles, Cal. Architects, Morgan, Walls & Morgan, Van Nuys Bldg., L. A. Owner, Frank Simpson. Location, northwest Sixth and Grand avenue, covering an area of 60 by 80 feet. Will contain stores on the first floor and a total of 150 rooms on the upper floors. Plans complete and figures for the general construction to be taken at once.

FLATS—9, 2 story and base, frame, \$15,000. Los Angeles, Cal. Architect, J. A. Schwarz Co., Van Nuys Bldg., L. A. Owner's name withheld. Location, Alvarado street near 6th street. Each building will contain two five room flats. Plans are being prepared.

Contracts Awarded.

GARAGE—1 story and base, brick, \$30,000. Los Angeles, Cal. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, H. W. O'Melveney, Contractors, Milwaukee Building Co., Wright and Callender Bldg., L. A. Contract price, \$30,000.

SCHOOL—2 story and base, frame and brick, \$50,000. Los Angeles, Cal. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owners, Frederica De Laguna and Jessica F. Vance, Contractors, Milwaukee Building Co. Contract price, \$30,000.

PORTLAND AND OREGON

APARTMENT HOUSE—2 story and base, brick, \$28,000. Portland, Ore. Architect, F. Manson White, Chamber of Commerce Bldg., Portland. Owner's name withheld. Location, East Side, covering an area of 50 by 100 feet. Will contain 21 suites of two and three rooms. Plans being prepared.

COAST GUARD STATION—Frame, \$11,000. Siuslaw River, Ore. Architect, Superintendent 13th District, U. S. Coast Guard Service, Custom House Bldg., S. E. Owners, United States Government. Bids will be opened on December 4th for constructing 1½ story frame quarters, 1 story frame boat house with concrete floor, concrete eastern ½x32x6½ feet and erecting steel tower 80 feet high, which will be furnished by the government. Exterior of buildings shingles. Roofs asbestos shingles.

SEATTLE AND WASHINGTON

WAREHOUSE—1 story and base, brick. Cost not stated. Seattle, Wash. Architect, George W. Lawton, Alaska Bldg., Seattle. Owners, Clifford and Wiley. Location, Lake Shore lands, covering an area of 50 by 100 feet. Plans complete and segregated figures being taken.

CONSTRUCTION WORK ABROAD.

COLOMBIA.

New Port Projected—Medellin Hospital Interest in the prospect of Barranquilla becoming a seaport by the opening of the mouth of the Magdalena River is being stimulated locally, and the question is being agitated of having local firms subscribe to a fund to be used in the United States for carrying on a propaganda advertising the commercial advantages of Barranquilla.

Plans have been drawn in Europe for a hospital which it is proposed to erect in the city of Medellin when the necessary funds can be obtained. The cost estimate is said to approach \$1,000,000.

Vice Consul Claude E. Guyant, of Barranquilla, reports that Colombia's budget estimates for the coming year place the expenditures at \$16,354,485 and the income at \$14,720,000, leaving a deficit of \$1,634,485.

City May Be Moved to More Healthful Site.

The sanitation of the port of Buenaventura is occupying the attention of the Colombian Government to a greater extent than ever, since the recent visit of the Yellow Fever Commission of the Rockefeller Foundation. From plans submitted by the house of Pearson & Son it is estimated that it will cost \$15,000,000 gold to accomplish this work and the prospect of this great expense has led to the consideration of a substitute plan for moving the town of Buenaventura to the Bay of Malaga, some 25 miles to the westward of its present site. No decision on this matter has been announced by the Colombian Government.

VENEZUELA.

Electric Plant for Barinas.

A Caracas newspaper states that on September 12, a company was organized in Barinas, Venezuela, to build an electric plant in that city. Officers: Sr. Jesus M. Rodriguez, president; Sr. Rafael Parra Bastidas, vice president; Sr. Simon Jimenez, secretary.

A REMINDER OF THE VIGILANTES.

One of the last reminders of the timber days at Truckee, California, was uncovered a few days ago when workmen demolishing one of the old Truckee Lumber Company's sawmills uncovered a bell used by the vigilantes. It was used to summon the vigilantes when the leaders felt the necessity of taking the law in their own hands and exercising the prerogatives of Judge Lynch. Truckee is among the oldest towns of the state and just as it was prominent in the historic days when the Sierras' slopes gave up their gold, so it is prominent now as a summer and winter resort city. Its fishing and hunting and nearness to Lake Tahoe make it the mecca of sportsmen and pleasure-seekers during the summer months and its winter carnival, which begins about Christmas time, attracts thousands during the snow period. Preparations are already under way for the season of winter sports this year. There will be skiing, tobogganing, the ice carnival and the sleighrides to historic Lake Donner again this year, and the interest created by the city risks in skating is expected to add greatly to the number of Truckee visitors.

AMERICANS BUILD LARGEST DAM IN EUROPE.

The largest dam in Europe, just completed in the Barcelona consular district, is the result of the work of American engineers and experts. It is built across the chasm through which the Noguera Pallaresa River flowed, and is situated near the old fortified town of Talarn. Abutting on almost

perpendicular cliffs, the dam is constructed of concrete and measures 33 feet in height and 700 feet in length. The thickness is 230 feet at the base, gradually decreasing to 14 feet at the top.

The valley above the dam was bought from the various landholders at a cost of nearly \$1,000,000, and now filled with water forms an artificial lake 15½ miles long and 3½ miles wide. The floodgates are so carefully balanced that they open automatically under the pressure of a rise of 1 inch of water. The natural formation of the rock near the dam has been utilized to provide a spillway with a capacity of 70,000 cubic feet of water a second.

To Produce Power and Aid in Irrigation.

The dam has a twofold object in the production of electric power and use in irrigation. The water that now passes through the power house yields an electric current of 20,000 horsepower. Later it will be increased to 10,000 horsepower. The water is carried by a system of canals into an arid district, where it irrigates a surface of nearly 100 square miles.

The cement used in the construction of the dam was made on the spot from limestone and marl found within a short distance and transported by a temporary railroad. The cement-making machinery, stone crushers, mixers, etc., were brought from the United States, as well as considerable quantities of the other machinery and parts employed in building.

An obstacle that had to be overcome in this construction work was the lack of communication. This necessitated the running of a telephone line from Barcelona to the dam and the building of a road more than 11 miles long, part of which was cut through a canyon at heavy expense. Over this road two traction engines hauled the building materials on platform cars of American manufacture.

OLDEST LIVING THING.

One of the wonders of the ancient world, and probably the greatest of them, was the pyramids of Egypt. And yet some of the giant sequoias of California that now grow, from the parent roots, thrifty trees had bark on them a foot thick when Cheops began building the great pyramid that bears his name. Beneath the shadow of the pyramids Napoleon said to his troops: "Forty centuries look down upon us." In the shadow of the Big Trees of California one might say: "Eighty centuries look down upon us." There are trees in the grove estimated by scientists, among them John Muir, the eminent naturalist, to be 8,000 to even 10,000 years old.

The oldest living things in the world today are these giant trees. Also the species of vegetation to which they belong is the oldest in the world. The sequoia tree, exactly like that of California, flourished several millions of years ago. We know that because we find their fossil remains buried beneath thousands of feet of rock and geologists are able, by reading the leaves of these rocks as an ordinary man would read a book, to tell when the sequoias beneath them lived.—Kansas City Star.

PADDING YOUR OWN POCKET.

No one will deny that everyone, in any given community, is happier, healthier and better satisfied generally, if there is in circulation at all times a good supply of ready cash.

Whether a man or woman is in business himself or herself—or is not in business—it makes no difference; his or her own happiness is measured largely by the amount of cold cash in general circulation in the community in which he or she actually resides. Anyone stopping to think over this statement will need no argument to prove its absolute truth.

Now, it being true that everyone is personally better off in proportion to the cold cash in circulation in his or her community, and it being equally obvious that every time you buy something in your own town—instead of sending off to the East or to Europe for that something—you are helping to make your own self nappier in proportion as you are contributing to keeping more money in actual circulation in your own community. And, to carry the thought further, if those articles which you buy locally are, also, actually manufactured locally, your buying those articles in your own community swells the local payrolls—boosts business generally in your own community—and so many other people are made so much better off that their happiness exudes and radiates back to yourself.

According to an interesting statement just issued by Chas. R. Thorburn, Executive Secretary of the Home Industry League of California, our State can produce anything wanted in the home, or in the everyday life of the people. It adds nothing to our own prosperity to take foreign stuff, when the home article better supplies the want.

We are replacing in the markets many of the foreign makes of goods which were favored some years ago because of their labels under the mistaken notion that European manufacturers were producing better articles than we could manufacture here. People have learned that they can do better in price and in materials by demanding American goods and our factories are on rush orders in consequence of the belated education.

We find in the markets now superior American foodstuffs taking the place of the foreign makes, such as fruit products, cheese, meats and dainties of all sorts, for which people were charged big prices for the labels. We buy now delicious "Holland" cheese, red colored and shaped like the long-popular foreign article; we have the domestic "Swiss" cheese that easily fills the want for the imported article; we have cordials of home make, vermouth and wines that outclass foreign labeled goods, and so on, not forgetting the fragrant "Limburger" now made in America. If what we want is not California made it certainly can be found with a label "Made in America."

AMERICAN LUMBER TO REBUILD EUROPE.

"Europe will need a billion dollars' worth of lumber the first year after the war," asserted Dr. Edward Ewing

Pratt, chief of the Bureau of Foreign and Domestic Commerce, Department of Commerce, in an address Wednesday afternoon before the Forest Industry Conference, at Portland, Ore. "There will not only be an opportunity to sell lumber, there will be a duty that should not be shirked.

"If the war should end in December, which is hardly likely, and lumber imports into Europe should in the meantime show no increase, there will be at the close of 1916 an estimated deficit in the normal European lumber supplies of some \$400,000,000. This is entirely outside of the great additional needs for lumber due to the actual destruction of the war. No one knows at present the amount of lumber that will be needed by France, Belgium, Poland, and other countries which have suffered directly from the war, to replace ruined buildings, railroads, bridges, etc. There can be little doubt that this amount will run into large figures and that hundreds of millions worth of general purpose lumber will be called for as soon as the great European struggle is ended. It has been estimated in Europe that at least \$400,000,000 worth of lumber will be needed for this purpose. Add the \$400,000,000 deficit in the normal demand. This seems to indicate that a total of \$800,000,000 worth of lumber over and above the usual demand of \$500,000,000 will have to be supplied to Europe by the lumber-producing countries. Allowance must of course be made for buildings that will never be replaced. Allowance must also be made for curtailment of consumption due to enforced economy. \$350,000,000 would seem ample for those purposes. So it seems likely that in the year following the war there will be a demand for a billion dollars worth of lumber in Europe.

"This huge demand for lumber will, I believe, be largely for general purpose lumber for temporary construction and rebuilding, wood paving blocks, rough construction timbers of all kinds, railway ties, car lumber, etc. There will no doubt be a continued and increased demand for the finer grades of American lumber, particularly hardwoods, for undoubtedly the stocks of lumber in Europe have been exhausted, as have the stocks of many other lines of manufactured goods.

"It is easy to anticipate what countries will compete for the privilege of supplying this lumber. We can not expect to do all the business. We shall be lucky if we are able to do even a major part of the business. In the year 1913 we shipped more wood products than any other country in the world, amounting to a total of \$115,000,000 worth in all. In the same year Russia shipped \$38,000,000 worth; Sweden \$34,000,000; Austria-Hungary, \$68,000,000; Canada \$50,000,000; Finland \$47,000,000; Germany \$26,000,000; Norway \$24,000,000; Roumania \$3,000,000. The total European exportation, therefore amounted to \$392,000,000 and the combined Canadian and American exportations amounted to \$165,000,000, making a total from these, the chief lumber exporting countries of the world, of approximately \$550,000,000. Of course, all this lumber did not go to Europe, Sweden, Norway, Germany, and Austria shipped lumber all over

the world, but naturally after the war the greatest amount of lumber will be shipped to Europe for years to come."

MUNICIPAL WATER WORKS REPORT FOR DENVER COMPLETE.

OROVILLE, Cal.—If A. Kluegel, who has been employed as consulting engineer by the City of Denver, in the preparation of a report upon a municipal system of water works, is in Oroville on a brief visit. In a few days Kluegel will return to Denver, and submit his final report to the city officials.

The importance of Kluegel's commission can be judged from the fact that the provision of a municipal water system will entail an expenditure of about \$20,000,000. The preliminary engineering work has been completed, the data compiled, and Kluegel expects to submit his report in about a month.

PLAN BOND ELECTION.

RIO VISTA, Cal.—Plans are being considered for the calling of a bond election on the proposition of issuing \$10,000 worth of bonds for improvement of the municipal water system by the addition of a new water main, the purchase of a new auxiliary pumping engine, and the erection of a new building to house the pumps.

DOES NOT PREPARE PLANS.

Einar Petersen, a contractor, was recently awarded a contract to erect a building for a Dennis O'Connell. The contract that was filed at the Hall of Records gave the name of Mr. Petersen as the one to furnish the working drawings and details for the job, which is the work of an Architect. In publishing the particulars of the job Mr. Petersen was mentioned as the Architect. Mr. Petersen desires to be placed on record as not having furnished the plans at all, because he never "makes plans."

Here is Mr. Petersen's letter of explanation:

San Francisco, Oct. 24, 1916.
Mr. Larsen, Editor,
Daily Pacific Builder,
350 Mission Street.
Dear Sir:—

I wish to call your attention to a mistake in printing notice of contract between myself and Dennis O'Connell in The Daily Pacific Builder of the 11th of October. You print **Plans by Contractor**, as a matter of fact I do not make plans. Said plans were furnished by owner and made by Mr. Broderick in Burlingame, whom I have never met.

I'm writing this letter as an appeal to your fairness in this matter as I can't understand you would knowingly try to hurt a man's business.

Enclosed please find copies of contract which you will notice refer only to details as the work progresses. Said details are as a rule, on smaller jobs, made in the planing mills.

Respectfully,
EINAR PETERSEN,
3530 23rd Street

IRRIGATION BONDS SOLD.

LINDSAY, Cal.—A Los Angeles firm has purchased the bonds of the Lindsay-Strathmore Irrigation district, buying them at par. The bond issue is for \$1,400,000. Preliminary work is now being pushed along, several hundred men being employed.

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry,
Phone Sutter 2339.

PORTLAND TO HAVE SHIPBUILDING PLANT.

PORTLAND, Ore.—Construction work on a shipbuilding plant has been started by the Oregon Shipbuilding corporation, which holds contracts to build four 8800 ton steel freighters for Norwegian interests. The vessels will cost more than \$1,000,000 each.

Contracts for seven other vessels of the same type are held by the Northwest Steel Company. The Albina Engine and Machine Works, which will start construction of a third plant for steel ships in Portland within a few days, hold contracts of two 2300 ton steel ships.

PLAN TO PLANT BIG ACREAGE TO TOBACCO ON OROVILLE LANDS.

OROVILLE, Cal.—Secretary E. B. Ward of the Chamber of Commerce, has received an inquiry from a group of Greek capitalists, who desire to engage in raising tobacco on the lands about Oroville. The men state that they are familiar with the previous experiments made here, and are convinced that the plant can be grown and cured successfully here. They desire lands with a better supply of water than was available at Tres Vias where the previous experiment in tobacco culture on a commercial scale was made.

The Tres Vias experiment revealed the fact that tobacco plants would thrive here, but the promoters were not successful in curing the leaf.



LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jet, Pittsburg, Bay Point. Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:20A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland Carries Parlor Observation Car
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:10P	Sacramento, Pittsburg, Dixon Jet, Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.
Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.	

OAKLAND, ANTIOCH & EASTERN RAILWAY
Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J. expert cabinet maker, 2154 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing: Telephone Oakland 1734

PIERCE-BOSQUIT Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

STOP Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VALUE. TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For
You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

19

To the Building and Engineering News 560 Mission Street, San Francisco

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Cut this out and mail to-day

Send me the Building and Engineering News for _____ years and
will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 45

Publication Office,
540 Mission St.

San Francisco, Cal., November 8, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

PYROPHOR is a
Tool Steel which

is almost indestructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco

Telephone Sutter 5231

Member
Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE
68 POST STREET

Foxcroft Building

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"

**Automatic
Gas Water Heater**

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers
Complete Kitchen and Bakery Outfits

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 6941

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Cough and Octavia

SAN FRANCISCO, CAL.

THE

Safe Deposit Vaults
of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Quick Deliveries



You eliminate the possibility of costly and vexatious delays by specifying "*Pacific*" Plumbing Fixtures.

The convenient location of the three "*Pacific*" Factories enables us to make prompt deliveries to all Pacific Coast Points.

Your job will never be delayed if you install '*Pacific*' Plumbing Fixtures.

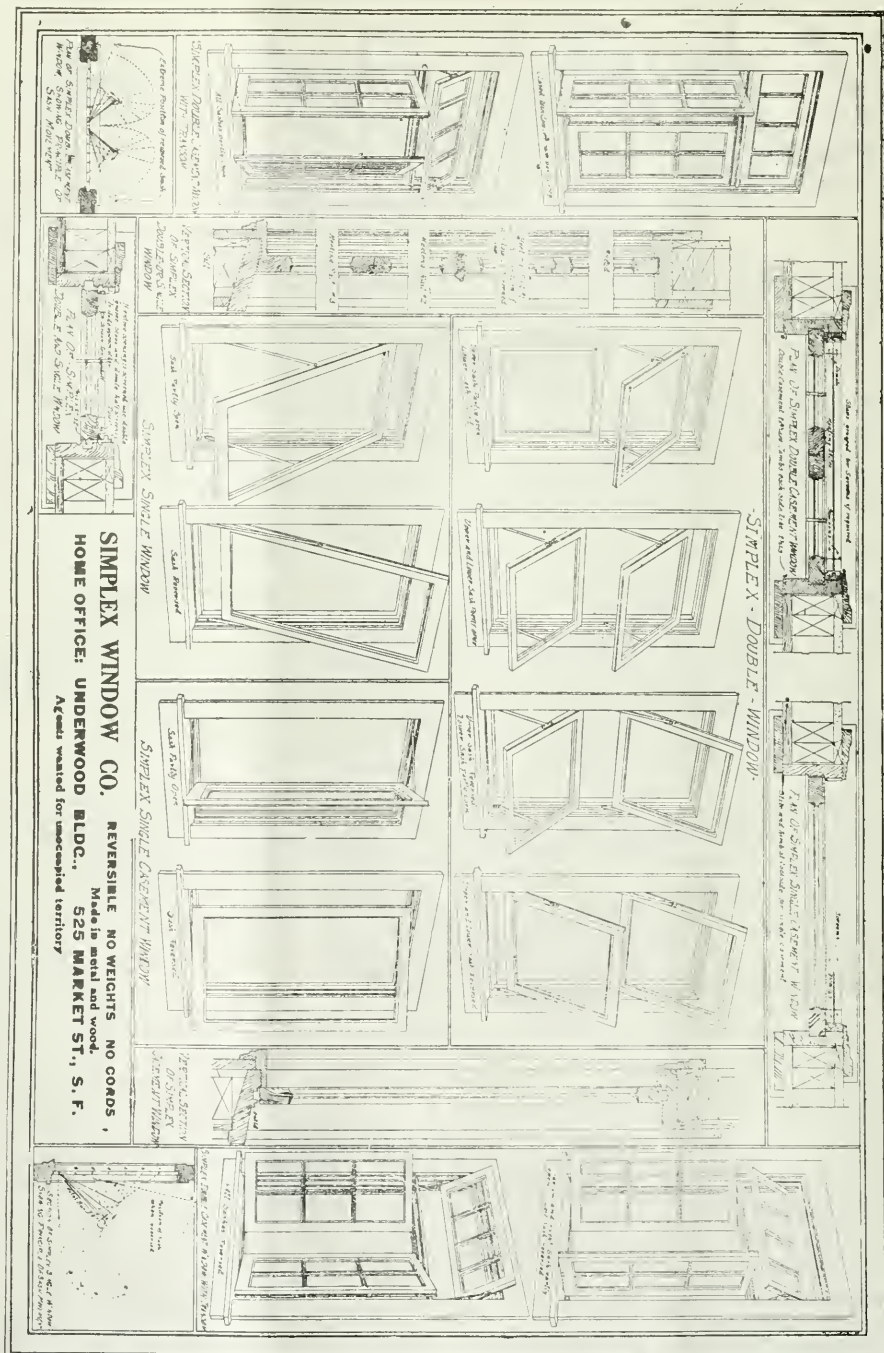
"Pacific"



Plumbing Fixtures

Main Offices and Showroom.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Published Weekly, \$3.00 per year

San Francisco, Cal. November 8, 1916

Sixteenth Year, No. 45



Devoted to the Engineering, Architectural, Building and Industrial Activities on the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LAITSEN,
Publisher and Proprietor.
W. D. Manville, News Editor,
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Six Months, \$1.50; Three Months, \$1.00,
all payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Resolutions among the leading Engi-
neers, Surveyors, Architects, Contract-
ors and Municipal Authorities on the
Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	4
Apartment Houses	4
Banks	4
Bridges, Dams and Harbor Works	4
Factories and Warehouses	4-5
Fires	5
Gas, Modesto, Stanislaus and Central California	22
Granges	5
Government Work and Supplies	5
Halls and Society Buildings	5
Hospitals	6
Irrigation and Reclamation Pro- jects	6
Libraries	6
Los Angeles and Southern Cali- fornia	21
Marin, Contra Costa and Sono- ma Counties	22
Oakland and Alameda County	17-18-19-20-21
Portland and Oregon	24
Post Offices	6
Residences	6-7
Sacramento, Stockton and North- ern California	22-23-24
San Francisco	10-11-12
San Jose and the Santa Clara Valley	13-14-15-16-17
Schools	22
Sailed Proposals	8-9
Seattle and Washington	24
Trains and Street Work	7-8
Towers and Offices	8

CHINESE COMPANY USES AMERICAN TRACTORS.

The Sunda Cultivation & Pasturage Co., which has headquarters at Shanghai, purchased in 1915 a large-type tractor and a complete outfit of plows, seeders, harrows, and other tillage implements for use on its areas in Manchuria. An American mechanic put the machinery into operation, and last spring 600 acres were plowed and seeded to wheat. The crop is now being harvested, and averages a satisfactory yield, considering that the soil is new and was seeded for the first time. The second year's yield is expected to be greater if weather conditions are normal.

The company was so pleased with the first tractor that it has placed an order for four more complete medium tractors with outfits, and in addition has ordered grain-harvesting self-binders and thrashing machines. The tractors and other machines are of the latest designs, and the engines are of the kerosene-burning type with modern equipment. The company expects to have fully 3,000 acres plowed and seeded in wheat for 1917, and anticipates good results.

Chinese Realize that Machines Will Solve Problem.

Climatic conditions and insect pests in Northern Manchuria render farm profits uncertain. About 50 per cent of the working animals succumb to large horse flies during the short summer. The Chinese realize that the tractors will solve this problem. Several attempts at farming with tractors have been made in the past four years, but the Sunda Co., of Shanghai, claims to have made the first real beginning. Those concerned believe that another of the world's storehouses of wheat will be opened up in Manchuria, and that as a result increasing quantities of suitable agricultural machinery will be required there.

The Sunda Cultivation & Pasturage Co., which has offices at No. 11 Szechuen Road, Shanghai, China, was organized by Mr. Lee Yung Su, proprietor and manager of the Lee Chong Ching Dong Land & Estate Co., which owns much property at Shanghai. The capital of the company is about \$15,000. This amount, it is stated, will be increased in the near future, if the experimental farming now being carried on at Humashien proves successful. Mr. Lee states that the company owns 10,000 acres of land in the district where this work has been done, although the holdings of the organization are generally assumed to be upward of 30,000 acres.

RESCUED FROM THE DEEP.

Ambrose Pierce once wrote a volume on beetles preserved in amber. In the peat bogs of Ireland are frequently found the trunks of trees which have been preserved for thousands of years,

and now it is the mud of our own Petaluma Creek which has given up after seven years a considerable number of oak logs, which had apparently been lost forever.

In Oak, as in other hardwoods, it is the general rule that the heaviest wood is the strongest and best. Therefore, when logs are thrown into a mill pond, those that sink to the bottom are, as a general rule, the best logs.

When White Brothers, the pioneer hardwood dealers of this City, were operating their own sawmill at Petaluma they converted into lumber immense quantities of Oak, Mahogany, Gumwood and Koa logs. Their mill pond was always full of the choicest hardwood logs brought from all over the world and what was known as White Brothers Mahogany Mill at Petaluma was the scene of great industry and activity until the entire plant was moved to San Francisco, several years ago.

Seven years after the original cargo of logs was dumped into the lagoon, Mr. John McNear, the father of Petaluma and owner of the property upon which the mill formerly stood, decided to dredge out the lagoon in preparation for its new use as an industrial site. One of the largest clamshell dredgers was put on the job and, much to the surprise of the dredger crew, each bucketful brought up a fine big Oak log. These were thrown upon the bank and a schooner load of them has just been unloaded on the hay wharf here in San Francisco for delivery to White Brothers.

Far from showing any bad effects from their seven years submersion, in the mud, the logs appear to be greatly improved. They are sound and perfect and a great number of them will be made into the finest of Quartered Oak veneers. While not as valuable as English Oak, which is recovered from the bogs and marshes of that country and is worth \$5,000 per M ft., these logs are greatly increased in value since they were originally submerged.

PLASTER COMPANY TO BUILD PLANT

PORTERVILLE, Cal. Edward Duran, of the Rex Plaster Company, is here from Los Angeles and is looking over the district with a view to the location of the company's mill in this city. Heretofore the company's plasters have been manufactured in Los Angeles. Their mill there was recently badly damaged by fire. A large proportion of their magnesite has since been contracted from this district, and it is probable that the plant will be reconstructed here.

The Rex people have closed a lease with the Lindsay Mining Company for a tract of land situated near Magnesian station, suitable for a plant site, indicating that the project is being very seriously considered.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$25,000. Architect, E. H. Denke, 1317 Hyde street, S. F. Owners, Max and Dora Kolander. Location, South Sacramento west Van Ness avenue, covering an area of 35 by 109 feet. Will contain twelve apartments of three and four rooms. Plans complete and figures being taken.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, frame, \$25,000. Architect, none. Owner, E. A. Schmidt, 71 10th street, Oakland. Location, Durant avenue. Will contain 60 rooms arranged in two and three room apartments. Plans complete and work to be done by Day Labor.

RENO, NEVADA—Apartment house, 3 story and base, brick, \$50,000. Architect, none. Owner, Andrew Frandsen, Reno. Will contain 20 suites of two and three rooms. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Apartment house, 4 story and base. Class C construction, \$50,000. Architect, none. Owner, Frank E. Ruben, Title and Guarantee Bldg., L. A. Location, Alvarado north 6th. Will contain 88 rooms arranged in two and three room suites. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$32,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, H. H. Holmsh, 75 Sutter street. Location, northeast Arguello Boulevard and Euclid. Will contain ten apartments of two, three and four rooms. Plans complete and work to be done by Day Labor.

BANKS

FRESNO, FRESNO CO., CAL.—Bank alterations. Class A construction. Cost not stated. Architect, Eugene Mathewson, Cory Bldg., Fresno. Owners, First National Bank. Location 1 and Mariposa streets. Work will consist of interior and exterior alterations. Plans complete and figures to be called for shortly.

BONDS.

TERRA BELLA, TULARE CO., CAL.—Sealed bids for the purchase of the \$600,000 irrigation bonds of the Terra Bella Irrigation District will be received by the Board of Directors up to 12 noon, November 13th.

The proceeds of the sale will finance the construction of the proposed system.

DUNSMUIR, SISKIYOU CO., CAL.—The proposition of bonding the Dunsmuir School District for \$30,000 for building a modern school house was defeated.

MARTINEZ, CONTRA COSTA CO., CAL.—The Board of Supervisors has

sold the \$15,000 school bond issue of the San Ramon Valley School District to Stephen & Co. of San Diego. The proceeds of the sale will be used to erect a new school.

RED BLUFF, TEHAMA CO., CAL.—The election held to vote bonds of \$15,000 to provide fire escapes for schools in Red Bluff carried.

SAN RAFAEL, MARIN CO., CAL.—The \$50,000 bond election held to vote \$50,000 for dredging and improving the San Rafael Canal from Irwin street to deep water in the bay was defeated by 74 votes.

RICHMOND, CONTRA COSTA CO., CAL.—Land for a municipal bath house will be given to the city of Richmond without cost by the John Nicholl Company providing the city shall erect a \$40,000 structure upon it. The land is located at the intersection of Ohio street and Ashland avenue.

AUBURN, PLACER CO., CAL.—The City Trustees have employed a San Francisco firm of attorneys that specialize in street improvements and bond matters to consult with City Attorney Tuttle in the proceedings in connection with the street paving work to be done in this city in the next few months.

An election was held recently and carried to vote bonds of \$20,000 for the improvements.

REDDING, SHASTA CO., CAL.—The City Trustees are considering a municipal water system, and it is planned to call an election to vote bonds of \$200,000 to construct the proposed system.

SAN DIEGO, SAN DIEGO CO., CAL.—An election will be held November 15th to vote bonds as follows: \$682,200 for a concrete at Lower Otay damsite; \$50,000 for the construction of two new steel bridges, one across the San Diego River at Old Town and the other across Rose Creek on Grand avenue, Pacific Beach.

LINDSAY, TULARE CO., CAL.—The Lindsay-Strathmore Irrigation District's bond issue of \$1,100,000 has been sold to Elliott & Horne, Los Angeles, at par, and validity confirmed. Construction work on the new irrigation system is now under way.

EL PASO, TEX. An election will be held November 29, to vote on a \$150,000 bond issue to provide funds for completing the new county court house.

BRAWLEY, IMPERIAL CO., CAL.—A bond issue of about \$15,000 is planned to improve the city water system. City Engineer G. R. Wade has two plans under consideration, both consisting of concrete settling basins, tile pipe or high pressure lines of about 1,100 feet in length.

POMONA, LOS ANGELES CO., CAL.—A special election may be called shortly for voting on a \$200,000 bond issue for street improvements and drainage work. Those in charge are: A. P. Nichols, G. H. Waters, Cornelius G. Ross, G. P. Von Stein; Frank L. Bayman, chairman.

FRESNO, FRESNO CO., CAL.—Bonds of the Fresno Canal and Irrigation Company have been sold to San Francisco and Los Angeles bonding houses and work on the construction of a dam and reservoir at Pine Flat in the Kings River country will be started shortly. The dam will be 295 feet high, 350 feet long on top and 100 feet long on the bottom. The reservoir will impound 600,000 acre feet of water. Cost not stated. Louis C. Hill, Hollingsworth building, Los Angeles, is the engineer.

BRIDGES AND DAMS.

SAN ANSELMO, MARIN CO., CAL.—Bridge, reinforced concrete, \$12.5 Engineer, City Engineer, San Anselmo. Owners, City of San Anselmo. Following bids were received by the City Trustees for the construction of the Lansdale bridge: C. B. Cowd (bridge complete according to plan) \$12,470. For extra excavation if more were necessary than specified in prepared plans, \$8 per cubic yard. Macrae & Layaz, for the job, \$13,500 with \$5 per cubic yard for extra excavation if necessary. J. D. Hanna \$11,495 for the job completed. W. Duncan & Co., \$11,563 for the job at \$8 per cubic yard for extra excavation. A. Hinson, \$12,973 for the job at \$3.50 per cubic yard for extra excavation. All bids were rejected as being too high.

RED BLUFF, TEHAMA CO., CAL.—Bridges, timber construction. Cost not stated. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Bids will be opened on November 15 at 10 a. m. for the construction of two wooden bridges on the Lassen road east of Stanford sleep camp, in Road District No. 5. Bids must be filed separately on each of said bridges and must be designated as bridge No. 1, bridge No. 2, bridge No. 3, and bridge No. 4.

Contracts Awarded
—HANFORD, KINGS CO., CAL.—Bridge, reinforced concrete, \$3,117.30. Engineer, County Surveyor, Hanford. Owners, Kings County. Contractor, Groves, Cole, Hanford. Contract price, \$3,117.30.

SAN FRANCISCO—Furnishing lumber. Cost not stated. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Bids will be opened on December 7th for furnishing the State Harbor Commission with lumber for a period of twelve months. An official proposal appears in another column of this issue.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Factory, 5 story and base, reinforced concrete, \$275,000. Engineer, Maurice Couchot, 110 Sutter street, S. F. Owners, American Express Co. Location, Eighth and Brannan streets. Engineer Maurice Couchot is taking figures for the excavation and timber piling for the five-story and basement reinforced concrete foundation.

to be erected at Eighth and Brandy streets for the American Geody Co. All bids for the work to low in connection with this structure will be taken through Mr. Nichols' office.

VALLEJO, SOLANO CO., CAL.—Flour mill, steel and concrete, \$200,000. Engineer, Maurice Couchot, 110 Sutter street, S. F. Owners, Sperry Flour Co. mill will consist of a new mill building and a warehouse. Further mention of the work as the plans progress.

Contracts Awarded.

PROSLOUP, KERN CO., CAL.—Factory group, 5 1 story, frame and corrugated iron, \$30,800. Architect, none. Name not given. Contractors, John Simpson Co., Baker-Dewit & Co., L. A. Contract price, \$30,800.

FLATS

SAN FRANCISCO—Flats, 3 story and e. frame, \$4,000. Architect, M. J. Ish, 915 Treat avenue, S. F. Owner, Frank Amatore. Location northwest ward and 25th streets, covering an area of 27 by 50 feet. Will contain 2 store and two modern flats of five rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and e. frame, \$5,000. Architect, none. Owner, W. J. Keenan, Masonic and ton street, S. F. Location, south ton west Masonic, covering an area of 25 by 57 1/2 feet. Will contain 4 flats of five and six rooms. Basement garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Flats, 3 story and base, frame, \$12,000. Architect, James W. Plachek, Acheson & Co., Berkeley. Owner, Mrs. Irvine. Location, Le Conte near Euclid. Will contain three flats of five and six rooms. Plans complete and figures taken.

GARAGES

OAKLAND, CAL.—Garage, 1 story, brick, \$5,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Mr. Murphy. Location, 51 st. elegraph. Designed for a commercial garage. Plans complete and registered figures being taken.

SAFET, KERN CO., CAL.—Garage, 1 story and base, brick. Cost not stated. Architect, J. M. Saffell, New Fish Bldg., Berkeley. Owner, George Habersfield, representing the Ford Co. Location, Center and Sixth streets, covering an area of 75 by 125 feet. Plans being prepared.

GOVERNMENT WORK & SUPPLIES

San Francisco Circular No. 86.
The following bids were received and awards made by the depot quartermaster, San Francisco, Cal., under office order No. 86:
Bid 1, H. S. Crocker Co., 565 Market street, San Francisco, Cal.
Bid 2, Dunham, Carrigan & Hayden Co., Kansas street, San Francisco, Cal.
Bid 3, Baker & Hamilton, 4th and Brandy streets, San Francisco, Cal.
Bid 4, Universal Trading Co., 200 4th street, New York city.
Bid 5, Pacific Hardware and Steel Co., 7th Townsend streets, San Francisco.
Bid 6, Tawman & Erbe Mfg. Co., 512 Broadway, San Francisco.
Bid 7, Bonnell Co., 118 1st street, San Francisco, Cal.
Bid 8, Western Trading Co., 24 California street, San Francisco, Cal.

9, John Rothschild & Co., Market and Spear streets, San Francisco, Cal.
10, Hooper & Jennings, 100 Howard street, San Francisco, Cal.
11, Coffin-Redington Co., 39 2d street, San Francisco, Cal.
12, The Liden Thread Co., 143 Mission street, San Francisco, Cal.
13, The Geo. Lawrence Co., Portland, Ore.
14, John Clark Saddlery Co., Portland, Ore.
15, Richmond Paper Co., Seattle, Wash.
16, Ward & Co., Mills Building, Washington, D. C.
17, Osborne Paper Co., The Bourse Building, Philadelphia, Pa.
18, Dudley Brooke McGowan, 1247 47th avenue, San Francisco, Cal.
19, R. P. Andrews Paper Co., Washington, D. C.
20, Typewriter & Office Supply Co., Washington, D. C.
21, Isaac Upham Co., 510 Market street, San Francisco, Cal.
22, Zellerbach Paper Co., Battery and Jackson streets, San Francisco, Cal.
23, Schwabach-Bry Stationery Co., 611 Market street, San Francisco, Cal.
24, Pacific Coast Paper Co., 545 Mission street, San Francisco, Cal.
25, Old Dominion Paper Co., Norfolk, Va.
26, Rockwell-Barnes Co., 815 So. Wabash avenue, Chicago, Ill.
27, 1 2 1/2 boards file, high arch, letter size—Bid 1, 72c ea.; 6, 80c; 13, 55c; 21, 77c, and 83.33c; 22, 80c, and 97c; 25, 78c; 26, 69c, accepted.
28, 1 1/2 do. cap size—Bid 1, 72c ea.; 6, 80c; 13, 55c; 21, 77c, and 83.33c; 22, 80c, 90c, 97c and \$1.07; 25, 82c; 26, 70c, accepted.
29, 3 bats galena, tested Bid 18, 50c; 19, 40c; 20, 30c; 21, 20c; 22, 10c; 23, 5c; 24, 2c; 25, 1c; 26, 50c; 27, 40c; 28, 30c; 29, 20c; 30, 10c; 31, 5c; 32, 2c; 33, 1c; 34, 50c; 35, 40c; 36, 30c; 37, 20c; 38, 10c; 39, 5c; 40, 2c; 41, 1c; 42, 50c; 43, 40c; 44, 30c; 45, 20c; 46, 10c; 47, 5c; 48, 2c; 49, 1c; 50, 50c; 51, 40c; 52, 30c; 53, 20c; 54, 10c; 55, 5c; 56, 2c; 57, 1c; 58, 50c; 59, 40c; 60, 30c; 61, 20c; 62, 10c; 63, 5c; 64, 2c; 65, 1c; 66, 50c; 67, 40c; 68, 30c; 69, 20c; 70, 10c; 71, 5c; 72, 2c; 73, 1c; 74, 50c; 75, 40c; 76, 30c; 77, 20c; 78, 10c; 79, 5c; 80, 2c; 81, 1c; 82, 50c; 83, 40c; 84, 30c; 85, 20c; 86, 10c; 87, 5c; 88, 2c; 89, 1c; 90, 50c; 91, 40c; 92, 30c; 93, 20c; 94, 10c; 95, 5c; 96, 2c; 97, 1c; 98, 50c; 99, 40c; 100, 30c; 101, 20c; 102, 10c; 103, 5c; 104, 2c; 105, 1c; 106, 50c; 107, 40c; 108, 30c; 109, 20c; 110, 10c; 111, 5c; 112, 2c; 113, 1c; 114, 50c; 115, 40c; 116, 30c; 117, 20c; 118, 10c; 119, 5c; 120, 2c; 121, 1c; 122, 50c; 123, 40c; 124, 30c; 125, 20c; 126, 10c; 127, 5c; 128, 2c; 129, 1c; 130, 50c; 131, 40c; 132, 30c; 133, 20c; 134, 10c; 135, 5c; 136, 2c; 137, 1c; 138, 50c; 139, 40c; 140, 30c; 141, 20c; 142, 10c; 143, 5c; 144, 2c; 145, 1c; 146, 50c; 147, 40c; 148, 30c; 149, 20c; 150, 10c; 151, 5c; 152, 2c; 153, 1c; 154, 50c; 155, 40c; 156, 30c; 157, 20c; 158, 10c; 159, 5c; 160, 2c; 161, 1c; 162, 50c; 163, 40c; 164, 30c; 165, 20c; 166, 10c; 167, 5c; 168, 2c; 169, 1c; 170, 50c; 171, 40c; 172, 30c; 173, 20c; 174, 10c; 175, 5c; 176, 2c; 177, 1c; 178, 50c; 179, 40c; 180, 30c; 181, 20c; 182, 10c; 183, 5c; 184, 2c; 185, 1c; 186, 50c; 187, 40c; 188, 30c; 189, 20c; 190, 10c; 191, 5c; 192, 2c; 193, 1c; 194, 50c; 195, 40c; 196, 30c; 197, 20c; 198, 10c; 199, 5c; 200, 2c; 201, 1c; 202, 50c; 203, 40c; 204, 30c; 205, 20c; 206, 10c; 207, 5c; 208, 2c; 209, 1c; 210, 50c; 211, 40c; 212, 30c; 213, 20c; 214, 10c; 215, 5c; 216, 2c; 217, 1c; 218, 50c; 219, 40c; 220, 30c; 221, 20c; 222, 10c; 223, 5c; 224, 2c; 225, 1c; 226, 50c; 227, 40c; 228, 30c; 229, 20c; 230, 10c; 231, 5c; 232, 2c; 233, 1c; 234, 50c; 235, 40c; 236, 30c; 237, 20c; 238, 10c; 239, 5c; 240, 2c; 241, 1c; 242, 50c; 243, 40c; 244, 30c; 245, 20c; 246, 10c; 247, 5c; 248, 2c; 249, 1c; 250, 50c; 251, 40c; 252, 30c; 253, 20c; 254, 10c; 255, 5c; 256, 2c; 257, 1c; 258, 50c; 259, 40c; 260, 30c; 261, 20c; 262, 10c; 263, 5c; 264, 2c; 265, 1c; 266, 50c; 267, 40c; 268, 30c; 269, 20c; 270, 10c; 271, 5c; 272, 2c; 273, 1c; 274, 50c; 275, 40c; 276, 30c; 277, 20c; 278, 10c; 279, 5c; 280, 2c; 281, 1c; 282, 50c; 283, 40c; 284, 30c; 285, 20c; 286, 10c; 287, 5c; 288, 2c; 289, 1c; 290, 50c; 291, 40c; 292, 30c; 293, 20c; 294, 10c; 295, 5c; 296, 2c; 297, 1c; 298, 50c; 299, 40c; 300, 30c; 301, 20c; 302, 10c; 303, 5c; 304, 2c; 305, 1c; 306, 50c; 307, 40c; 308, 30c; 309, 20c; 310, 10c; 311, 5c; 312, 2c; 313, 1c; 314, 50c; 315, 40c; 316, 30c; 317, 20c; 318, 10c; 319, 5c; 320, 2c; 321, 1c; 322, 50c; 323, 40c; 324, 30c; 325, 20c; 326, 10c; 327, 5c; 328, 2c; 329, 1c; 330, 50c; 331, 40c; 332, 30c; 333, 20c; 334, 10c; 335, 5c; 336, 2c; 337, 1c; 338, 50c; 339, 40c; 340, 30c; 341, 20c; 342, 10c; 343, 5c; 344, 2c; 345, 1c; 346, 50c; 347, 40c; 348, 30c; 349, 20c; 350, 10c; 351, 5c; 352, 2c; 353, 1c; 354, 50c; 355, 40c; 356, 30c; 357, 20c; 358, 10c; 359, 5c; 360, 2c; 361, 1c; 362, 50c; 363, 40c; 364, 30c; 365, 20c; 366, 10c; 367, 5c; 368, 2c; 369, 1c; 370, 50c; 371, 40c; 372, 30c; 373, 20c; 374, 10c; 375, 5c; 376, 2c; 377, 1c; 378, 50c; 379, 40c; 380, 30c; 381, 20c; 382, 10c; 383, 5c; 384, 2c; 385, 1c; 386, 50c; 387, 40c; 388, 30c; 389, 20c; 390, 10c; 391, 5c; 392, 2c; 393, 1c; 394, 50c; 395, 40c; 396, 30c; 397, 20c; 398, 10c; 399, 5c; 400, 2c; 401, 1c; 402, 50c; 403, 40c; 404, 30c; 405, 20c; 406, 10c; 407, 5c; 408, 2c; 409, 1c; 410, 50c; 411, 40c; 412, 30c; 413, 20c; 414, 10c; 415, 5c; 416, 2c; 417, 1c; 418, 50c; 419, 40c; 420, 30c; 421, 20c; 422, 10c; 423, 5c; 424, 2c; 425, 1c; 426, 50c; 427, 40c; 428, 30c; 429, 20c; 430, 10c; 431, 5c; 432, 2c; 433, 1c; 434, 50c; 435, 40c; 436, 30c; 437, 20c; 438, 10c; 439, 5c; 440, 2c; 441, 1c; 442, 50c; 443, 40c; 444, 30c; 445, 20c; 446, 10c; 447, 5c; 448, 2c; 449, 1c; 450, 50c; 451, 40c; 452, 30c; 453, 20c; 454, 10c; 455, 5c; 456, 2c; 457, 1c; 458, 50c; 459, 40c; 460, 30c; 461, 20c; 462, 10c; 463, 5c; 464, 2c; 465, 1c; 466, 50c; 467, 40c; 468, 30c; 469, 20c; 470, 10c; 471, 5c; 472, 2c; 473, 1c; 474, 50c; 475, 40c; 476, 30c; 477, 20c; 478, 10c; 479, 5c; 480, 2c; 481, 1c; 482, 50c; 483, 40c; 484, 30c; 485, 20c; 486, 10c; 487, 5c; 488, 2c; 489, 1c; 490, 50c; 491, 40c; 492, 30c; 493, 20c; 494, 10c; 495, 5c; 496, 2c; 497, 1c; 498, 50c; 499, 40c; 500, 30c; 501, 20c; 502, 10c; 503, 5c; 504, 2c; 505, 1c; 506, 50c; 507, 40c; 508, 30c; 509, 20c; 510, 10c; 511, 5c; 512, 2c; 513, 1c; 514, 50c; 515, 40c; 516, 30c; 517, 20c; 518, 10c; 519, 5c; 520, 2c; 521, 1c; 522, 50c; 523, 40c; 524, 30c; 525, 20c; 526, 10c; 527, 5c; 528, 2c; 529, 1c; 530, 50c; 531, 40c; 532, 30c; 533, 20c; 534, 10c; 535, 5c; 536, 2c; 537, 1c; 538, 50c; 539, 40c; 540, 30c; 541, 20c; 542, 10c; 543, 5c; 544, 2c; 545, 1c; 546, 50c; 547, 40c; 548, 30c; 549, 20c; 550, 10c; 551, 5c; 552, 2c; 553, 1c; 554, 50c; 555, 40c; 556, 30c; 557, 20c; 558, 10c; 559, 5c; 560, 2c; 561, 1c; 562, 50c; 563, 40c; 564, 30c; 565, 20c; 566, 10c; 567, 5c; 568, 2c; 569, 1c; 570, 50c; 571, 40c; 572, 30c; 573, 20c; 574, 10c; 575, 5c; 576, 2c; 577, 1c; 578, 50c; 579, 40c; 580, 30c; 581, 20c; 582, 10c; 583, 5c; 584, 2c; 585, 1c; 586, 50c; 587, 40c; 588, 30c; 589, 20c; 590, 10c; 591, 5c; 592, 2c; 593, 1c; 594, 50c; 595, 40c; 596, 30c; 597, 20c; 598, 10c; 599, 5c; 600, 2c; 601, 1c; 602, 50c; 603, 40c; 604, 30c; 605, 20c; 606, 10c; 607, 5c; 608, 2c; 609, 1c; 610, 50c; 611, 40c; 612, 30c; 613, 20c; 614, 10c; 615, 5c; 616, 2c; 617, 1c; 618, 50c; 619, 40c; 620, 30c; 621, 20c; 622, 10c; 623, 5c; 624, 2c; 625, 1c; 626, 50c; 627, 40c; 628, 30c; 629, 20c; 630, 10c; 631, 5c; 632, 2c; 633, 1c; 634, 50c; 635, 40c; 636, 30c; 637, 20c; 638, 10c; 639, 5c; 640, 2c; 641, 1c; 642, 50c; 643, 40c; 644, 30c; 645, 20c; 646, 10c; 647, 5c; 648, 2c; 649, 1c; 650, 50c; 651, 40c; 652, 30c; 653, 20c; 654, 10c; 655, 5c; 656, 2c; 657, 1c; 658, 50c; 659, 40c; 660, 30c; 661, 20c; 662, 10c; 663, 5c; 664, 2c; 665, 1c; 666, 50c; 667, 40c; 668, 30c; 669, 20c; 670, 10c; 671, 5c; 672, 2c; 673, 1c; 674, 50c; 675, 40c; 676, 30c; 677, 20c; 678, 10c; 679, 5c; 680, 2c; 681, 1c; 682, 50c; 683, 40c; 684, 30c; 685, 20c; 686, 10c; 687, 5c; 688, 2c; 689, 1c; 690, 50c; 691, 40c; 692, 30c; 693, 20c; 694, 10c; 695, 5c; 696, 2c; 697, 1c; 698, 50c; 699, 40c; 700, 30c; 701, 20c; 702, 10c; 703, 5c; 704, 2c; 705, 1c; 706, 50c; 707, 40c; 708, 30c; 709, 20c; 710, 10c; 711, 5c; 712, 2c; 713, 1c; 714, 50c; 715, 40c; 716, 30c; 717, 20c; 718, 10c; 719, 5c; 720, 2c; 721, 1c; 722, 50c; 723, 40c; 724, 30c; 725, 20c; 726, 10c; 727, 5c; 728, 2c; 729, 1c; 730, 50c; 731, 40c; 732, 30c; 733, 20c; 734, 10c; 735, 5c; 736, 2c; 737, 1c; 738, 50c; 739, 40c; 740, 30c; 741, 20c; 742, 10c; 743, 5c; 744, 2c; 745, 1c; 746, 50c; 747, 40c; 748, 30c; 749, 20c; 750, 10c; 751, 5c; 752, 2c; 753, 1c; 754, 50c; 755, 40c; 756, 30c; 757, 20c; 758, 10c; 759, 5c; 760, 2c; 761, 1c; 762, 50c; 763, 40c; 764, 30c; 765, 20c; 766, 10c; 767, 5c; 768, 2c; 769, 1c; 770, 50c; 771, 40c; 772, 30c; 773, 20c; 774, 10c; 775, 5c; 776, 2c; 777, 1c; 778, 50c; 779, 40c; 780, 30c; 781, 20c; 782, 10c; 783, 5c; 784, 2c; 785, 1c; 786, 50c; 787, 40c; 788, 30c; 789, 20c; 790, 10c; 791, 5c; 792, 2c; 793, 1c; 794, 50c; 795, 40c; 796, 30c; 797, 20c; 798, 10c; 799, 5c; 800, 2c; 801, 1c; 802, 50c; 803, 40c; 804, 30c; 805, 20c; 806, 10c; 807, 5c; 808, 2c; 809, 1c; 810, 50c; 811, 40c; 812, 30c; 813, 20c; 814, 10c; 815, 5c; 816, 2c; 817, 1c; 818, 50c; 819, 40c; 820, 30c; 821, 20c; 822, 10c; 823, 5c; 824, 2c; 825, 1c; 826, 50c; 827, 40c; 828, 30c; 829, 20c; 830, 10c; 831, 5c; 832, 2c; 833, 1c; 834, 50c; 835, 40c; 836, 30c; 837, 20c; 838, 10c; 839, 5c; 840, 2c; 841, 1c; 842, 50c; 843, 40c; 844, 30c; 845, 20c; 846, 10c; 847, 5c; 848, 2c; 849, 1c; 850, 50c; 851, 40c; 852, 30c; 853, 20c; 854, 10c; 855, 5c; 856, 2c; 857, 1c; 858, 50c; 859, 40c; 860, 30c; 861, 20c; 862, 10c; 863, 5c; 864, 2c; 865, 1c; 866, 50c; 867, 40c; 868, 30c; 869, 20c; 870, 10c; 871, 5c; 872, 2c; 873, 1c; 874, 50c; 875, 40c; 876, 30c; 877, 20c; 878, 10c; 879, 5c; 880, 2c; 881, 1c; 882, 50c; 883, 40c; 884, 30c; 885, 20c; 886, 10c; 887, 5c; 888, 2c; 889, 1c; 890, 50c; 891, 40c; 892, 30c; 893, 20c; 894, 10c; 895, 5c; 896, 2c; 897, 1c; 898, 50c; 899, 40c; 900, 30c; 901, 20c; 902, 10c; 903, 5c; 904, 2c; 905, 1c; 906, 50c; 907, 40c; 908, 30c; 909, 20c; 910, 10c; 911, 5c; 912, 2c; 913, 1c; 914, 50c; 915, 40c; 916, 30c; 917, 20c; 918, 10c; 919, 5c; 920, 2c; 921, 1c; 922, 50c; 923, 40c; 924, 30c; 925, 20c; 926, 10c; 927, 5c; 928, 2c; 929, 1c; 930, 50c; 931, 40c; 932, 30c; 933, 20c; 934, 10c; 935, 5c; 936, 2c; 937, 1c; 938, 50c; 939, 40c; 940, 30c; 941, 20c; 942, 10c; 943, 5c; 944, 2c; 945, 1c; 946, 50c; 947, 40c; 948, 30c; 949, 20c; 950, 10c; 951, 5c; 952, 2c; 953, 1c; 954, 50c; 955, 40c; 956, 30c; 957, 20c; 958, 10c; 959, 5c; 960, 2c; 961, 1c; 962, 50c; 963, 40c; 964, 30c; 965, 20c; 966, 10c; 967, 5c; 968, 2c; 969, 1c; 970, 50c; 971, 40c; 972, 30c; 973, 20c; 974, 10c; 975, 5c; 976, 2c; 977, 1c; 978, 50c; 979, 40c; 980, 30c; 981, 20c; 982, 10c; 983, 5c; 984, 2c; 985, 1c; 986, 50c; 987, 40c; 988, 30c; 989, 20c; 990, 10c; 991, 5c; 992, 2c; 993, 1c; 994, 50c; 995, 40c; 996, 30c; 997, 20c; 998, 10c; 999, 5c; 1000, 2c.

Willows, Cal., Post Office.

All bids received by the supervising architect, Treasury Department, Washington, D. C., for the construction complete of the U. S. post office at Willows, Cal., have been rejected as the lowest bid received was in excess of the amount available.

Colorado Springs, Colo., Sub-Drains.

The following bids were received by the custodian, U. S. post office, Colorado Springs, Colo., recently, for sub-drains at the above building.

The J. C. St. John Plumbing and Heating Co., Colorado Springs, Colo., \$1,100, 50 days.

Barnes & Marden, Colorado Springs, Colo., \$1,301, 30 days.

Washington Navy Yard, Tube Shaft Forgings.

The following bids were received by the supply officer, Navy Yard, Washington, D. C., under requisition 123, N. S. A., for furnishing 1 stern tube shaft forging:

The Allis-Chalmers Mfg. Co., Milwaukee, Wis., Mare Island delivery, \$1,807, f. o. b. works, \$1,694; 180 days.

Middle Steel Co., Philadelphia, Pa., Mare Island, 35c per lb., f. o. b., 33c per lb.; 5 months.

Bethlehem Steel Co., South Bethlehem, Pa., Mare Island, 40.5c per lb., 10 months; f. o. b. 38c per lb., 9 months.

Erle Forge Co., Erie, Pa., Mare Island, 15c per lb., 4 months; f. o. b. 42c per lb., 3 months.

Boise, Idaho, Extension.

The following bids were received by the supervising architect,

HOSPITALS

PATTON, SAN BERNARDINO CO., CAL.—Hospital cottage, 1 story, frame and concrete, \$36,000. Architect, State Architect George R. McDougall, Sacramento. Owners, State of California. The Cresmer Mfg. Co., Riverside, presented the lowest figure for this work and will probably be awarded the contract. A complete list of the bids received for this work appears under the heading of Los Angeles and Southern California in this issue.

Contracts Awarded.

OAKLAND, CAL.—Hospital cottages, 6, 1 story, frame and concrete, \$106,985. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Contractor, W. G. Thornalley, 565 16th street, Oakland. Contract price, \$106,985. A complete list of these figures will be found under the heading of Oakland and Alameda County.

OAKLAND, CAL.—Hospital ward, 2 story, frame and concrete, \$21,000. Architect, Charles Peter Weeks, Phelan Bldg., S. F. Owners, Alameda County. Contractor, R. W. Little field, 565 16th street, Oakland. Contract price, \$21,000. A complete list of these figures will be found under the heading of Oakland and Alameda County in this issue.

IRRIGATION PROJECTS

The Paradise Irrigation District of Paradise, Butte County, organized March, 1916, has applied to the State Water Commission for permission to appropriate 19,600 acre feet, equivalent to 66 second feet, by the storage of flood water of Butte Creek, to be used in the irrigation of the lands of the district, in Butte County. The storage and diversion dams are one and the same. The proposed dam specifications are given in the application as follows: 134 feet high, 1250 feet long on top, 716 feet long on bottom, 20 feet wide on top, constructed of earth, hydraulic fill, rock rip-rapped on face, loose rock or asphaltic concrete on back, concrete cut-off wall, concrete waste-way in natural rock at side. The main ditch or pipe line is given as 7,500 feet. It is proposed to begin work in the summer of 1917 and complete in two years. The number of acres to be watered is 11,100 which are also involved in two other applications the district now has before the Commission. The estimated cost of this diversion is given as \$350,000.

The Farm Land and Investment Co. of San Francisco has applied to the State Water Commission for permission to appropriate 100 cubic feet per second of the waters of the Yuba and Feather Rivers, tributary to the Sacramento River in Yuba County for the culture of rice. The proposed diversion is to be by means of one 24-inch and one 30-inch centrifugal pump, electrically driven. The number of acres to be watered is 5,500 and the estimated cost is \$31,000. The same company, in a second application, asks permission to divert an additional 200 second feet from the Feather River and Plumas and Messick Lakes, also tributary to the Sacramento River. A 24-inch, 36-inch and 40-inch electric pumps are to be used in this diversion for 3,000 acres at a cost of \$31,000.

M. W. Pereira of Ft. Jones has applied to the State Water Commission for permission to appropriate 125 cubic feet per second of the waters of Scott River, tributary to the Klamath River in Siskiyou County, for agricultural purposes. There is a proposed main canal seven miles long and a cement dam 8 feet high, 60 feet on top and 35 feet on bottom, the works to cost, as estimated, \$18,500. Ten thousand acres are sought to be brought under the ditches.

SUSANVILLE, LASSEN CO., CAL.—Irrigation project, \$2,000,000. Engineers, Wales and Waterman, Woodland. Owners, Honey Lake Irrigation District. W. L. Wales and Herbert Waterman of Woodland are now in Amedee, Lassen County, where Wales has received a contract to build an irrigation system for the Honey Lake Valley Irrigation District in Lassen County. The district embraces 33,000 acres. Wales recently did the preliminary work toward constructing a water system in the Southern Lassen Irrigation District, embracing 23,000 acres. The systems in the two projects will call for an expenditure of over two millions of dollars. Wales is the engineer. Waterman is resident engineer and will attend to the field work.

LIBRARIES.

PALO ALTO, SANTA CLARA CO., CAL.—Library, 3 story and base, Class A construction, \$500,000. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, Trustees of Leland Stanford, Jr., University. Location, University Campus. Preliminary plans only have been prepared and further mention will be made of this work. Construction will probably be handled under the direction of the P. J. Walker Co., Mumadnock Bldg.

POST OFFICES.

WILLOWS, GLENN CO., CAL.—Post office, 1 and 2 story and base, reinforced concrete. Cost not stated. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, United States Government. Word has been received from Washington, D. C. to the effect that all bids for constructing the Federal Building at Willows, Glenn Co., Cal., have been rejected as being in excess of the amount awarded. The lowest bid was presented by Welch Bros. & Hannaman and amounted to \$77,997.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,500. Architects, Willis Polk & Co., Hobart Bldg., S. F. Owner, John W. Proctor. Location, southwest 25th avenue and Scenic Way. Will contain seven rooms, two baths and sleeping porch. Plans complete and figures being taken.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,700 each. Architect, none. Owner, A. V. Anderson, 1609 10th avenue, S. F. Location, east 18th avenue south Balboa. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 8, 2 story and base, frame, \$4,500 each. Architects, Heiman & Schwartz, Nevada

Bank Bldg., S. F. Owner's name withheld. Location, 20th avenue and Balboa. The two corner houses will be built on the sidewalk line and the other six will set back a distance of 20 feet. Plans provide for a community garage and garage. Plans are being prepared.

SAN FRANCISCO—Residences, 2, 1 story and base, frame, \$3,000 each. Architect, none. Owner, Oscar Lind, 438 25th avenue, S. F. Location, west 19th avenue north Anza. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 4, 1 story and base, frame, \$2,000 each. Architect, none. Owner, E. F. Helm, 1303 California street, S. F. Location, south Santa Ynez east Delano. Each house will contain six rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 1 story and base, frame, \$2,500 each. Architect, none. Owner, W. J. Keenan, Masonic and Fulton street, S. F. Location, west Atalaya north Fulton. Each dwelling will contain six rooms and bath with basement garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, J. P. Dingwell, 1011 Franklin street, Oakland. Location, Lakewood Park. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Owner, R. C. Hilton, 438 Haight avenue, Alameda. Location, southwest Hopkins and High streets. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$7,500. Architect, August G. Headman, Call-Post Bldg., S. F. Owner, Mrs. Blanch Whiteside. Location, Claremont Court. Will contain ten rooms, bath and separate garage. Plans being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owners, Morgenson Bros., 559 63rd St., Oakland. Location, south 44th street east Webster. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, Andrew Anderson, 1096 48th St., Oakland. Location, north Arkansas east Peralta. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, C. J. Pfingr, 5487 Claremont avenue, Oakland. Location, west Shattuck avenue north 56th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, J. E. Devereaux. Location, west Vicente south 58th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, R. C. Pellaton, 306 14th street, Oakland. Owner, C. B. Coit. Location, west Jerome street north Oakland avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BURLINGAME, SAN MATEO CO., CAL.—Residence, 1 story and base, frame, \$5,000. Architect, E. L. Norberg, Bank Bldg., Burlingame. Owner's name not given. Location, Glenwood Park. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

BURLINGAME, SAN MATEO CO., CAL.—Residence, 1 story and base, frame, \$1,800. Architect, E. L. Norberg, Bank Bldg., Burlingame. Owner's name withheld. Location, Cypress avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Louis Johnson, 27 Richmond avenue, S. F. Location, west 18th avenue south Moraga. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, Louis Johnson, 27 Richmond avenue, S. F. Location, southwest 18th avenue and Moraga. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame and brick, \$10,000. Architects, Bliss & Faville, Balboa Bldg., S. F. Owner, James Walsh. Location, Broadway and Buchanan street. Will contain twenty rooms, five baths and conservatory. Separate garage. Plans complete and figures being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,000. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F. Location east 28th avenue south Lake. Will contain eight rooms two baths and basement garage. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, David Stromberg, 1411 West street, Oakland. Location, west Evelyn north Cordina Creek. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOLS

BERKELEY, ALAMEDA CO., CAL.—College building exterior cement work, \$7,940. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. Leonard Bosch submitted the lowest figure for exterior cement work on the Chemistry Building, and will be awarded the contract. A complete list of the bids will be found under the heading of Oakland and Alameda County in this issue.

SAN CARLOS, SAN MATEO CO., CAL.—School, 1 story, frame and plaster, \$15,000. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, San Carlos School District. The architect has been officially commissioned to prepare these plans. Working drawings are being made and bids will probably be called for next week.

PALO ALTO, SANTA CLARA CO., CAL.—College buildings, 4, 1 story concrete. Cost not stated. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Trustees of Leland Stanford, Jr., University. Location, University Campus. Will contain living rooms and offices. Plans being prepared.

NAPA, NAPA CO., CAL.—School, 1 story, frame and concrete, \$1,000. Architect, L. M. Turton, Napa. Owners, Cameros School District. Will contain one room. Concrete walls. Exterior covered with cement plaster. Plans being prepared.

PAISLEY, ORE.—School, 2 story and base, concrete and frame, \$30,000. Architects, Tourtellotte & Hummell, Roachchild Bldg., Portland. Owners, City of Paisley. Will contain seven rooms, office and assembly hall. Plans complete and figures being taken.

HANFORD, KINGS CO., CAL.—Gymnasium, 1 story and base, concrete. Cost not stated. Architects, Glass & Butner, Rowell Bldg., Fresno. Owners, Hanford Union High School District. Will contain two large gymnasiums. Plans complete and figures being taken. Bids close on November 14th. Work is being figured with seven alternatives.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, C. A. Hall, 1315 5th avenue, S. F. Location, east 12th avenue south of Balboa. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, none. Owners, Co-operative Home Building Co., 1125 Fulton street, S. F. Location, west Pluto south Masonic. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$14,000 each. Architects, Patch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdock Co. Location, Forest Hill. Each house will contain twelve rooms, three baths and conservatory. Separate garages. Plans complete for one house and figures being taken.

OAKLAND, CAL.—Residence, 1½ story and base, frame. Cost not stated. Architect, none. Owner, Paul E. Woodburn, 3965 Greenwood avenue, Oakland. Location, east Dolores north El Centro. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

Contracts Awarded

LOS ANGELES, CAL.—Residence, 2 story and base, brick and frame, \$51,000. Architect, A. B. Denton, 114 North Spring street, L. A. Owner, Dr. E. A. Bryant. Contractors, Willard-Brent Co., Baker-Detwiler Bldg., L. A. Contract price, \$51,000.

RIVERSIDE, RIVERSIDE CO., CAL.—Residence, 2 story and base, hollow tile. Cost not stated. Architects, De Riemer & Hewitt, Title Insurance Bldg., L. A. Owner, Dr. A. B. West. Contractor, William Goodcell, Balboa. Contract price not stated.

SEWERS, STREET WORK & WATER SYSTEMS

BERKELEY, ALAMEDA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be

opened on November 14th for sewer construction authorized under the following resolution: That a six (6) inch, vitrified, ironstone pipe sewer and three brick manholes 1 foot in diameter be constructed in Cedar street in the vicinity of Sacramento street.

DALY CITY, SAN MATEO CO., CAL.—Street improvement. Cost as follows. Engineer, City Engineer, Daly City. Owners, Daly City. Bids received by the City Trustees for street improvements in the Vista Grande No. 2 District have been rejected. The bids received were: Peterson & Grier, S. F., \$15,685.01; Hansome-Crummey, S. F., \$11,012.02; Tibbitts-Pacific Co., S. F., \$15,535.01. New bids were ordered received. Plans and further information may be had from the City Clerk.

RICHMOND, CONTRA COSTA CO., CAL.—Subway walks, etc. Cost as follows. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans for three proposed pedestrian walks through the Macdonald avenue subway at Sixteenth street have been submitted to the Council by the City Engineer. The cost of installing any one of the three walks and widening and paving the subway will be \$10,000. The plans call for either a walk to the north of the subway, one in the subway or one to the south of it. The grade of the walks will be approximately 16 per cent. At the suggestion of the Council the Engineer was instructed to place the plans before the Railroad Commission and the railroad officials relative to certain reinforcements which will have to be placed under the railroad tracks.

SANTA PAULA, VENTURA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Santa Paula. Owners, City of Santa Paula. Bids will be received by the City Trustees up to 7.30 p. m. of November 17, 1916, for paving on several streets. The specifications will be for Warrenite surface on concrete base, similar to the work being done by Fairchild-Gilmore-Wilton Co. of Los Angeles under contract from the county for the central strip on portions of Telegraph and Main streets. Edward M. Lynch of Glendale is City Engineer.

NAPA, NAPA CO., CAL.—Street improvement, \$806.26. Engineer, City Engineer, Napa. Owners, City of Napa. Contractor, George E. Errington, East Third street, Napa. Contract price, \$806.26.

AUBURN, PLACER CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Auburn. Owners, City of Auburn. The City Trustees of Auburn have passed resolutions providing for the paving of the main business thoroughfares—Placer road, Main, East, Broad, High and Railroad streets. A call for bids will be issued shortly.

Contracts Awarded.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works: The improvement of the north half of Grove street, between lines respectively distant 112 feet and 137 feet 6 inches west from the west line of Gough street, by the construction of an artificial sidewalk. Awarded to A. A. Field, 1465 20th ave-

nue, S. F., for 13½c for 363 feet.

The improvement of the west half of Polk street between Fell and Hayes streets by the construction of artificial stone sidewalks except between lines respectively distant 95 feet and 125 feet northerly from the northerly line of Fell street. Awarded to P. McDonnell for 13½c for 3,553 feet.

HERMOSA BEACH, LOS ANGELES CO., CAL.—Sewer disposal plant. Cost as follows. Engineer, City Engineer, Hermosa Beach. T. J. Shea, 2039 South Oxford avenue, Los Angeles, was the lowest bidder at \$32,121 for the construction of a sewage disposal plant at Hermosa Beach. The other bids were: S. M. Kerns, \$35,407; Lynn S. Atkinson, \$37,743.85; and R. H. McCray Co., \$44,300.

LOS ANGELES, CAL.—Sewer construction. Cost as follows. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. John Radish, Los Angeles, was the lowest bidder at \$113,500 for the construction of the Florence avenue main sewer system. The approximate totals of the other bids received were as follows: T. J. Shea, \$127,900; John Balch, \$140,000; James Kennedy, \$162,000; Leo Miletich, \$181,000.

The improvement of Ord street, from Corbett avenue to 17th street, by resetting existing catch basins, construction of granite curbs, artificial stone sidewalks, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy, 404 First National Bank Bldg., S. F., for \$1,448.98.

The improvement of Ada Court from O'Farrell street to its northerly termination, of Amity Alley from Ada Court to its easterly termination, and of O'Farrell street opposite the termination of Ada Court, by the construction of granite curbs, artificial stone sidewalks and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2½-inch asphalt wearing surface. Awarded to Thomas A. Clark, 68 Post street, S. F., for \$1,425.29.

The improvement of Corbett avenue from the west line of Hattie street, produced, to a line 136 feet west from the west line of Ord street, by resetting existing catch basins, construction of granite curbs, artificial stone sidewalks, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy, 404 First National Bank Bldg., S. F., for \$4,587.30.

The improvement of Teddy avenue, from a line 325 feet east from the east line of Alpha street, at its intersection with the south line of Teddy avenue, to the center line of Alpha street, and the improvement of Alpha street between Teddy avenue and Arieta avenue, by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12 inch with 29 Y branches and two brick manholes. Awarded to the Tibbitts-Pacific Co., 16 California street, S. F., for \$1,188.

The improvement of Clarion alley, between Mission and Valencia streets by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Thomas A. Clark, 68 Post street, S. F., for \$311.85.

The improvement of the east half of

Front street, between Hues respectively distant 68 feet and 94 feet north from the north line of California street, by the construction of artificial stone sidewalks. Awarded to A. O. Fields, 1455 20th avenue, S. F., for 13½c for 377 feet.

The improvement of the south side of Richland avenue, between Andover and Murray streets, and the improvement of the west side of Andover street, between Richland avenue and Crescent avenue, by the construction of artificial stone sidewalks. Awarded to A. O. Fields for 13½c for 1,387 feet.

The Board of Public Works has awarded a contract to Tibbitts-Pacific Co., 16 California street, for the construction of the Somerset street sewer, and has requested the Board of Supervisors to appropriate \$20,000 to cover the cost of contract.

The Board has also awarded a contract to the Healy-Tibbitts Construction Co., 6 Main street, for piles, walling braces, and dolphins for the Sixth street bridge.

CHINO, SAN BERNARDINO CO., CAL.—Street improvement, \$53,714.79. Engineer, City Engineer, Chino. Owners, City of Chino. Contractors, California-Arizona Construction Co., 1700 East Washington street, L. A. Contract price, \$53,714.79.

LOS ANGELES, CAL.—Street improvement, \$17,762.10. Engineer, City Engineer, Los Angeles. Owners, City of Los Angeles. Contractors, Gilmore-Wilton Co., L. A. Contract price, \$17,762.10.

DALY CITY, SAN MATEO CO., CAL.—Street improvement, \$135,858.50. Engineer, City Engineer, Daly City. Owners, Daly City. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price, \$135,858.50. Other bidders were Peterson & Grier at \$147,122.30, and Tibbitts-Pacific Construction Co., \$144,552.17.

STOCKTON, SAN JOAQUIN CO., CAL.—Road improvements, \$7,000. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractor, George Laubren, Bethany. Contract price, \$7,000.

LOS ANGELES, CAL.—Street paving, \$25,240. Engineer, City Engineer, L. A. Owners, City of Los Angeles. Contractor, George H. Oswald, O. T. Johnson Bldg., L. A. Contract price, \$25,240.

STORES AND OFFICES

SAN FRANCISCO—Stores, 1 story and base. Class C construction, \$15,000. Architect, E. M. Frasier, 1973 Geary street, S. F. Owner, P. A. Palmer, Monadnock Bldg., S. F. Location, south Golden Gate avenue west Leavenworth, covering an area of 40 by 75 feet. Designed for a film exchange. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Offices, 12 story and base. Class A construction. Cost not stated. Architects, Reid Bros., California-Pacific Bldg., S. F. Owners, Matson Navigation Co. Location, Market and Main streets. Only the preliminary sketches of the architects have been approved and further details will be given when working drawings are prepared.

SAN FRANCISCO—Offices, 4 story and base. Class A construction. Cost not stated. Architect, Benj. G. Mc-

Dougall, Sheldon Bldg., S. F. Owner, Ogden Mills. Location, south Pine east Montgomery, covering an area of 63½ feet by 120 feet. Will contain a number of modern offices and connect with the present Mills Building. Plans being prepared.

PORTLAND, ORE.—Stores and offices, 3 story and base, reinforced concrete. Cost not stated. Architect, John V. Bennes, Chamber of Commerce Bldg., Portland. Owners, Hextor & Strauss. Location, Park and Morrison streets. Will contain stores on the first floor and a number of offices on the two upper floors. Plans complete and figures being taken.

SAN FRANCISCO—Stores and lofts, 2 story and base. Class C construction, \$17,500. Architects, Heiman & Schwartz, Nevada Bank Bldg., S. F. Owner, A. Aronson. Location, north Mission, 225 west Fourth, covering an area of 50 by 90 feet. Will contain two stores and two lofts. Plans complete and figures being taken.

SEATTLE, WASH.—Store and market, 1 story and base, brick, \$35,000. Architect, none. Owners, Frey & Co. Location, First avenue and Pike, covering an area of 110 by 120 feet. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Store, 1 story, frame, \$5,500. Architect, Albert W. Bergren, 30 Woodland avenue, S. F. Owner, John Von Hansen. Location, southeast Stanyan and Parnassus avenues, covering an area of 35 by 84 feet. Will contain four stores. Plans complete and segregated figures being taken.

SAN FRANCISCO—Stores and offices, 4 or 12 story, Class A construction. Cost not stated. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Merchants' Exchange. Architect, George William Kelham has been selected to prepare plans for the new building to be erected at the southwest corner of California and Montgomery streets, the property recently purchased by the Merchants' Exchange. The building to be erected will be twelve or a four story Class A structure, arranged for banking quarters on the ground floor and offices above.

SEALED PROPOSALS

PROPOSALS FOR CANAL WORK.

CANAL WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service, St. Ignatius, Mont., until 2 o'clock, p. m., November 28, 1916, for the construction of a canal on the Flathead project, Mont., involving about 195,000 cubic yards of excavation. The work is located from 8 to 15 miles north of Camas, Mont. For particulars address the U. S. Reclamation Service, Washington, D. C.; Denver, Colo., or St. Ignatius, Mont. MORTIMER BIRN, acting director.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1695—Proposals for Steel, Bolts, Lock Nuts, Nails, Rivets, Nuts, Screws Washers Pipe Fittings Key-Seater, Lathe, Grinding Attachment, Tool Grinder, Sanitary Fixtures, Valves, Cocks, Flush Pipe, Lead Traps Cleanouts, Test Plugs, Wash Trap Plugs, Force Cups, Copper Gaskets, Packing, Belting, Seaming Brackets, Memoranda, Books, Card-board, Ledger Paper, Carbon Paper and Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., November 17, 1916, at which time they will

be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1093) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineers' office in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. A., general purchasing officer.

PROPOSALS FOR LEVEE WORK.

LEVEE WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Mills Building, El Paso, Tex., until **2 o'clock p. m. November 24, 1916**, for canal excavation involving 185,000 cubic yards and levee construction involving 2,000 cubic yards. For particulars address United States Reclamation Service, El Paso, Tex.; Denver, Colo., or Washington, D. C. MORRIS BLEN, acting director.

PROPOSALS FOR SEWER WORK.

SEWER—Fort Worth, Wash.—Sealed proposals, in triplicate, for constructing outlet at Fort Flager, Wash., will be received here until **2 o'clock p. m. November 17, 1916**, and then publicly opened. Information upon application to constructing quartermaster.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until **November 13, 1916**, for dredging at the naval coal depot (California City Point), Tiburon, Cal. Plans and specifications may be obtained on application to the Bureau of Yards and Docks, or to the commandant of the navy yard, Mare Island, Cal. (S.).

PROPOSALS FOR BUILDING.

BUILDING—Treasury Department, U. S. Coast Guard, Washington, D. C.—Sealed proposals will be received at this office until **2 o'clock p. m. Monday, December 4, 1916**, and then publicly opened, for constructing a Coast Guard station and accessories on the Siuslaw River, Ore. Specifications and drawings, form of proposal, etc., and full information can be obtained upon application to the superintendent, thirtieth district, Coast Guard, San Francisco, Cal., or to this office. E. P. BERTHOFF, captain commandant.

PROPOSALS FOR DREDGING.

DREDGING—Sealed proposals in dorsed "Proposals for Dredging" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. November 13, 1916**, and then there publicly opened, for dredging at the naval coal depot (California City Point), Tiburon, Cal. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard, Mare Island, Cal. F. R. HARRIS, chief of bureau.

PROPOSALS FOR ROOF WORK.

ROOF WORK—Sealed proposals in dorsed "Proposals for Remodeling Roof" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. November 13, 1916**, and then there publicly opened, for a new roof with monitor and skylights on building No. 58, navy yard, Puget Sound, Wash. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard named. F. R. HARRIS, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Monday, November 13, 1916**, said bids then and there to be publicly opened and read for furnishing all plant, ma-

terials, and labor, and doing the work required for the complete construction and erection of "Open Air Cottage," Agnew's State Hospital Agency, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Open Air Cottage,' Agnew's State Hospital, Agency, California."

(SIGNED) W. F. MCCLURE,
State Engineer. (*)

CALL FOR BIDS ON TREES & SHRUBS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 24, 1916.—**SEALED PROPOSALS** will be received in this office until **10 A. M. December 4, 1916**, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Albany, Eugene, Pendleton, The Dalles, Oregon; Idaho Falls, Idaho; Brigham City, Utah; Bellingham, Everett, Walla Walla, Washington; Chico, Grass Valley, Pasadena, Santa Barbara, California; in accordance with the specification, copies of which, as well as copies of approach plans of the several buildings may be had upon application to the respective Custodians of the Buildings, or at this office. Make application for the specifications and drawings for the buildings which you intend to submit proposals. JAS. A. WETMORE, Acting Supervising Architect. (*)

APPLE VALLEY IRRIGATION.

SAN BEARNARDINO—According to an option to purchase placed on file with the County Recorder, a group of property owners in Victor and Apple Valley are making plans to obtain possession of the holdings of the Arrowhead Reservoir and Power Co. and Victor C. Smith, its vice president and general manager. The option is for four months and the price to be paid is \$2,500,000. The new project includes in the scheme of irrigating lands on both sides of the Mojave River from Hesperia to Victorville.

CANADIAN LUMBER ENTERS.

BELLINGHAM—Sixty-three carloads of Canadian cut forest products entered the United States via Blaine during the month of September to compete with American lumber. This is a reduction in the amount which entered in August and also in September a year ago and this is explained by railway men as due to the car shortage which affects Canadian mills as well as those in the United States and by the order of the British government, compelling all long hauls to be made on the Canadian Pacific Railway.

HOLLANDER SAYS MAGNESITE ROOM IS BLUE.

FRESNO, Cal. The magnesite industry in California is almost purely a war industry, according to N. Rosenboom, of Vlaardingen, Holland, who is in the San Joaquin Valley buying mineral for the trade. He has bought two properties in Napa for the Dutch firm, and is examining properties at Porterville and Piedra, and buying the output of some of the mines. The firm ships largely to Pittsburgh.

The war has ruined the magnesite business in Holland and Greece, and nothing is available from those countries. But he says the chrysotilline form of the rocks here with veins of magnesite does not compare with the amorphous deposits of the Greek islands, and that as soon as the war is over water shipments to New York and Pittsburgh will be cheaper than from California. Better satisfaction is given by the Greek products, whether used for steel making, lining furnaces or for composition flooring.

FOUR MILLION DOLLARS FOR CANALS.

HANFORD, Cal. Four million dollars is the estimated cost of building canals and purchasing land to reclaim the lands of the Tulare Lake region, according to J. H. Levering. Levering has prepared plans for an overflow district, a petition for the formation of which is shortly to be presented to the supervisors. Levering states that it will cost 1,405,000 to build the main levee to surround the project, while \$500,000 would be required to build the overflow canal. The land upon which the canal and reservoirs would be built is estimated at \$30 per acre in value and as \$30,000 acres would be required for this purpose, \$900,000 is added to the cost. Armoring the canal against water and building pumping plants would bring the cost up to \$4,000,000. This amount would be provided for by an assessment of \$20 per acre on the land benefited. The district would contain 265,000 acres.

HISTORIC PAWNEE ROCK.

A short distance north of Pawnee Rock station, Kansas, is a high southward-facing cliff of sandstone known as Pawnee Rock, projecting as a rocky promontory from the broad ridge that forms the north side of the valley. The elements and the hand of man have made great changes in its size and appearance since the days when the Santa Fe Trail passed along its base. Here there were many encounters between the savages and the whites, and also between hostile bands of Indians, for the place is noted not only in pioneer history but in Indian traditions as well. Names and initials of many travelers, from the early trappers and the "forty-niners" to the later Army detachments, have been scratched on the smooth faces of the ledges. Santa Fe Guidebook, Superintendent of Documents.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, Oscar Lind, 4385 25th avenue, S. F. Location, west 19th avenue north Anza. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—8, 2 story and base, frame, \$4,500 each. San Francisco. Architects, Heiman & Schwartz, Nevada Bank Bldg., S. F. Owner's name withheld. Location, 20th avenue and Balboa. The two corner houses will be built on the sidewalk line and the other six will set back a distance of 20 feet. Plans provide for a community garden and garage. Plans are being prepared.

RESIDENCE—2 story and base, frame, \$6,500. San Francisco. Architects, Willis Polk & Co., Hohart Bldg., S. F. Owner, John W. Proctor. Location, southwest 25th avenue and Scenic Way. Will contain seven rooms, two baths and sleeping porch. Plans complete and figures being taken.

RESIDENCES—2, 2 story and base, frame, \$2,700 each. San Francisco. Architect, none. Owner, A. V. Anderson, 1609 10th avenue, S. F. Location, east 15th avenue south Balboa. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 1 story and base, frame, \$2,000 each. San Francisco. Architect, none. Owner, E. F. Helms, 4303 California street, S. F. Location, south Santa Ynez east Delano. Each house will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, W. J. Keenan, Masonic and Fulton street, S. F. Location, west Atalaya north Fulton. Each dwelling will contain six rooms and bath with basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$25,000. San Francisco. Architect, E. H. Denke, 1317 Hyde street, S. F. Owners, Max and Dora Kolander. Location, south Sacramento west Van Ness avenue, covering an area of 35 by 109 feet. Will contain twelve apartments of three and four rooms. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Louis Johnson, 27 Richland avenue, S. F. Location, west 18th avenue south Moraga. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

FLATS—3 story and base, frame, \$1,000. San Francisco. Architect, M. J. Welsh, 915 Treat avenue, S. F. Owner, Frank Amatore. Location, northwest Howard and 25th streets, covering an area of 27 by 50 feet. Will contain one store and two modern flats of five and six rooms. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, W. J. Keenan, Masonic and Fulton streets, S. F. Location, south Fulton west Masonic, covering an area of 25 by 57½ feet. Will contain two flats of five and six rooms. Basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$6,000. San Francisco. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F. Location, east 25th avenue south Lake. Will contain eight rooms, two baths and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Louis Johnson, 27 Richland avenue, S. F. Location, southwest 18th and Moraga. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame and brick, \$40,000. San Francisco. Architects, Bliss & Faville, Balboa Bldg., S. F. Owner, James Walsh. Location Broadway and Buchanan streets. Will contain twenty rooms, five baths and conservatory. Separate garage. Plans complete and figures being taken.

STORES AND LOFTS—2 story and base, Class C construction, \$17,500. San Francisco. Architects, Heiman & Schwartz, Nevada Bank Bldg., S. F. Owner, A. Aronson. Location, north Mission 225 west Fourth, covering an area of 50 by 90 feet. Will contain two stores and two lofts. Plans complete and figures being taken.

STORES, 1 story and base, Class C construction, \$15,000. San Francisco. Architect, E. M. Frasier, 1973 Geary street, S. F. Owner, P. A. Palmer, Monadnock Bldg., S. F. Location, south Golden Gate avenue west Leavenworth, covering an area of 40 by 75 feet. Designed for a film exchange. Plans complete and work to be done by Day Labor.

OFFICES—12 story and base, Class A construction, Cost not stated. San Francisco. Architects, Reid Bros., California-Pacific Bldg., S. F. Owners, Matson Navigation Co. Location, Market and Main streets. Only the preliminary sketches of the architects have been approved and further details will be given when working drawings are prepared.

OFFICES—4 story and base, Class A construction, Cost not stated. San Francisco. Architect, Benj. G. McDougall, Sheldon Bldg., S. F. Owner, Ogden Mills. Location, south Pine east Montgomery, covering an area of 68½ by 120 feet. Will contain a number of modern offices and connect with the present Mills Bldg. Plans being prepared.

FACTORY—5 story and base, reinforced concrete, \$275,000. San Francisco. Engineer, Maurice Couchot, 110 Sutter street. Owners, American Ever Ready Co. Location, Eighth and Brannan streets. Engineer Maurice Couchot

is taking figures for the excavating and timber piling for the five-story and basement reinforced concrete factory to be erected at Eighth and Brannan streets for the American Ever Ready Co. All bids for the work to follow in connection with this structure will be taken through Mr. Couchot's office.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owners, Co-operative Home Building Co., 1125 Fulton street, S. F. Location, west Pluto south Masonic. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 2 story and base, frame, \$14,000 each. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdoch Co. Location, Forest Hill. Each house will contain twelve rooms, three baths and conservatory. Separate garages. Plans complete for one house and figures being taken.

APARTMENT HOUSE—2 story and base, frame, \$32,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, H. H. Helbush, 75 Sutter street. Location, northeast Arguello Boulevard and Euclid. Will contain ten apartments of two, three and four rooms. Plans complete and work to be done by Day Labor.

FURNISHING LUMBER—Cost not stated. San Francisco. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Bids will be opened on December 7th for furnishing the State Harbor Commission with lumber for a period of twelve months. An official proposal appears in another column of this issue.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, C. A. Hill, 1313 5th avenue, S. F. Location, east 12th avenue south Balboa. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

STORES AND OFFICES—4 or 12 story Class A construction. Cost not stated. San Francisco. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Merchants' Exchange. Architect George William Kelham has been selected to prepare plans for the new building to be erected at the southwest corner of California and Montgomery streets, the property recently purchased by the Merchants' Exchange. The building to be erected will be a twelve or four story Class A structure, arranged for banking quarters on the ground floor and offices above.

STORE—1 story, frame, \$5,500. San Francisco. Architect, Albert W. Bergen, 30 Woodland avenue, S. F. Owner, John Von Hausen. Location, southeast Stanyan and Parnassus avenues, covering an area of 35 by 84 feet. Will contain four stores. Plans complete and segregated figures being taken.

APARTMENT HOUSE—3 story and base, brick, \$50,000. Reno, Nevada. Architect, none. Owner, Andrew Frandsen, Reno. Will contain 20 suites of two and three rooms. Plans complete and work to be done by Day Labor.

Contracts Awarded

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The following contracts for street improvement have been awarded by the Board of Public Works. The improvement of the north half of Grove street, between respectively distant 112 feet and 7 feet 6 inches west from the west line of Fourth street by the construction of artificial stone sidewalk, awarded to A. O. Field, 1465 20th avenue, S. F., for 13½c for 363 feet.

The improvement of the west half of Oak street between Fell and Hayes streets by the construction of artificial stone sidewalks except between lines respectively distant 93 feet and 125 feet from the northerly line of Oak street. Awarded to P. McDonnell for 13½c for 3,553 feet.

The improvement of Ord street, from Barrett avenue to 15th street, by resetting existing catch basins, construction of artificial curbs, artificial stone sidewalks, and of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy, 404 First National Bank Bldg., S. F., for \$1,418.98.

The improvement of Ada Court, from Farrell street to its northerly termination, of Amity Alley, from Ada Court to its easterly termination, and of Farrell street opposite the termination of Ada Court by the construction of granite curbs, artificial stone sidewalks, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2½-inch asphaltic wearing surface. Awarded to Thomas A. Clark, 68 1st street, S. F., for \$1,425.29.

The improvement of Corbett avenue, from the west line of Hattie street, proceed, to a line 136 feet west from the east line of Ord street, by resetting existing catch basins, construction of granite curbs, artificial stone sidewalks, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Flinn & Treacy, 404 First National Bank Bldg., S. F., for \$4,587.80.

The improvement of Teddy avenue, from a line 325 feet east from the east line of Alpha street at its intersection with the south line of Teddy avenue, to the center line of Alpha street, and the improvement of Alpha street, between Teddy avenue and Arleta avenue, by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12 inch lines 29 Y branches and two brick manholes. Awarded to the Tibbitts-Pacific Co., 16 California street, S. F., for \$188.

The improvement of Clarion Alley, between Mission and Valencia streets, the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Thomas A. Clark, 68 Post street, S. F., for \$311.85.

The improvement of the east half of Front street, between lines respectively distant 68 feet and 94 feet north from the north line of California street, by the construction of artificial stone sidewalks. Awarded to A. O. Fields, 55 20th avenue, S. F., for 13½c for 7 feet.

The improvement of the south side of Highland avenue, between Andover and

Murray streets, and the improvement of the west side of Andover street between Richmond avenue and Crescent avenue, by the construction of artificial stone sidewalks. Awarded to A. O. Fields for 13½c for 1,387 feet.

The Board of Public Works has awarded a contract to Tibbitts-Pacific Co., 16 California street, for the construction of the Somerset street sewer, and has requested the Board of Supervisors to appropriate \$20,000 to cover the cost of contract.

The Board has also awarded a contract to the Healy-Tibbitts Construction Co., 6 Main street, for piles, walling braces and dolphins for the Sixth street bridge.

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amf.
3167	Dreyer	Dreyer	2350
3168	Cal Barrel	Langdon	15000
3169	McGhee	McGhee	500
3170	Allan	Gardner	1500
3171	Brannon	Leigh	2000
3172	Cerf	Moore	2000
3173	German Savings	Mahony	5000
3174	Hilbisch	Hilbisch	750
3175	Maita	Maita	3000
3176	Hibernia	Hjul	1200
3177	Muller	William	16000
3178	Gran	Brumfield	400
3179	Show	Show	950
3180	Duffee	Duffee	2600
3181	National Ice	Carlson	2545
3182	Brown	Spence	2800
3183	Ross	Duarte	500
3184	Castello	Devencenzi	7000
3185	Kemp	Rosengren	1900
3186	Sullivan	Fink	1000
3187	Coburn	Coburn	950
3188	Connelley	Hemmings	825
3189	Bastandig	Bastandig	400
3190	Otis	Automatic Ref	5130
3191	Aronson	Kervin	650
3192	Anderson	Anderson	2700
3193	Anderson	Anderson	2700
3194	Prado	Prado	450
3195	Westlake	Westlake	400
3196	Baton	Smith	400
3197	Amatore	Amatore	4000
3198	Amatore	Amatore	4000
3199	Johnson	Wengard	2710
3200	Tausig	O'Mara	922
3201	Foster	Foster	650
3202	Keenan	Keenan	2500
3203	Keenan	Keenan	5000
3204	Keenan	Keenan	2500
3205	Parrott	Kiernan	16994
3206	De Bernardi	Nelson	5000
3207	Johnson	Johnson	1500
3208	Johnson	Johnson	2000
3209	Michael	Michael	1500
3210	Cal Glue	Cal Glue	6000
3211	Allen	Allen	500
3212	Boardman	Petter	540
3213	O'Gara	O'Gara	500
3214	McDuffie	Dumoff	450
3215	Dolan	Dolan	850
3216	Strivo	Kulvalo	800
3217	Becker	Cobb	400
3218	Kery	Segehieri	400
3219	Bay View Bldg.	Owens	1000
3220	Heeger	Western Hdw	1000
3221	Carrick	Blors	700
3222	Lind	Lind	2900
3223	Lind	Lind	2900
3224	Helms	Helms	1800
3225	Same	Same	1800
3226	Same	Same	1800
3227	Same	Same	1800

FRAME FLATS

(3167) N AMAZON 50 W Paris. Two-story and basement frame (2) flats. Owner.....W. T. Dreyer, 435 Green Ave., Daly City. Architect...None. Day's work.....COST, \$2350

BRICK WAREHOUSE

(3168) TWENTY-SECOND & ILLINOIS Two-story brick semi-mill construction warehouse. Owner.....California Barrel Co., 22nd and Illinois, S. F.

(3169) E. K. Markwal Monadnock Bldg., San Francisco. Contractor.....Langdon Co., Monadnock Bldg., San Francisco. COST, \$15,000

ADDITION

(3169) No. 226 PERU. Add 2 rooms to dwelling. Owner.....Ann F. McGhee, Premises. Architect...None. Day's work.....COST, \$500

FRAME SHED

(3170) S EVANS 130 E Railroad. One story frame sheep shed. Owner.....Allon & Flye Co., Premises. Architect...None. Contractor.....K. C. Gardner, 335 Raymond Ave., San Francisco. COST, \$1500

FRAME RESIDENCE

(3171) W FORTIETH AVE 200 N Fulton. One-story and basement frame residence. Owner.....M. Brannon, 1732 Buchanan, San Francisco. Architect...None. Contractor.....Leigh & Schultz, 419 21st Ave., San Francisco. COST, \$2000

ALTERATIONS

(3172) NO. 2426 VALLEJO. Alter dwelling. Owner.....M. E. Cerf, 702 Mills Bldg., San Francisco. Architect...G. E. McCrea, Oakland. Contractor.....Moore & Watson, 110 Jessie, San Francisco. COST, \$2000

ALTERATIONS

(3173) NO. 524 CALIFORNIA. Divide present building with brick wall; cut new skylights; cut openings in walls, etc. for banking quarters. Owner.....German Savings & Loan Society, 526 California, S. F. Architect...Herbert A. Schmidt, 201 Lick Bldg., S. F. Contractor.....Mahony Bros., 923 Crocker Bldg., San Francisco. COST, \$3000

ALTERATIONS

(3174) NO. 106 CLIFFORD. Alter dwelling into 2 flats. Owner.....C. Hilbisch, Premises. Architect...None. Day's work.....COST, \$750

FRAME FLATS

(3175) E CHENERY 50 S Diamond. Two-story and basement frame (2) flats and store. Owner.....V. Maita, 704 Chenery, San Francisco. Architect...None. Day's work.....COST, \$3000

ALTERATIONS

(3176) N ELLIS 40 E Leavenworth. Alter two stores. Owner.....Hibernia Saving Society. Architect...None. Contractor.....J. H. Hjul, 613 Mechanics' Institute Bldg., S. F. COST, \$1200

FRAME RESIDENCE

(3177) E THIRTEENTH AVE 115 S Cabrillo S 55XE 120. All work for two-story, attic and basement frame residence.

Owner....P. S. Muller, Mills Bldg., San Francisco.
 Architect...Henry C. Smith, Humboldt Bank Bldg., San Francisco.
 Contractor, Williams Bros. & Henderson, Holbrook Bldg., S. F.
 Filed Oct. 28, '16. Dated Oct. 26, '16.
 On 1st and 15th of each month 75%
 Usual 35 days.....25%
TOTAL COST, \$16,000
 Bond, \$8000. Surety, American Surety Co. Limit, 100 days from Oct. 30, 1916.
 Forfeit, \$3. Plans and specifications filed.

ELECTRIC SIGN
 (3178) NO. 2442 MISSION. Electric sign.
 Owner....Granat Bros., Premises.
 Architect...None.
 Contractor, Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$400

BRICK GARAGE
 (3179) SW CALIFORNIA & GOUGH.
 One-story brick garage.
 Owner.....M. S. Shaw, 1240 Bush, San Francisco.
 Architect...C. O. Clausen, Hearst Bldg San Francisco.
 Day's work. **COST, \$950**

FRAME DWELLING
 (3180) N KIRKHAM 82-6 W 11th Ave W 25xN 100. Carpentry, plumbing, painting, plastering for two-story and basement frame dwelling.
 Owner.....R. A. Duffee, 685 Dolores, San Francisco.
 Architect...None.
 Contractor, A. Duffee, 685 Dolores, S. F.
 Filed Oct. 30, '16. Dated Oct. 30, '16.
 Frame up\$650
 Brown coated 650
 Accepted 650
 Usual 35 days..... 650
TOTAL COST, \$2600
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
 NOTE:—First report, Oct. 25th, No. 3119

FRAME SHED
 (3181) BDED BY KANSAS, DIVISION, Alameda and Rhode Island. One-story frame auto shed.
 Owner.....The National Ice & Cold Storage Co. of California, Postal Telegraph Bldg., S. F.
 Architect...None.
 Contractor, A. Carlson, 4575 16th, S. F.
COST, \$2545

FRAME RESIDENCE
 (3182) E TWENTY-SIXTH AVE 50 N Balboa. One-story and basement frame residence.
 Owner.....James Brown, 753 Bush, San Francisco.
 Architect...None.
 Contractor, E. J. Spence, 337 25th Ave., San Francisco.
COST, \$2800

ALTERATIONS
 (3183) NO. 1907 ELLIS, new foundation and alter laundry.
 Owner.....Mrs. Hanna Ross, 1250 Pierce, San Francisco.
 Architect...August G. Headman, 717 New Call Bldg., S. F.
 Contractor, J. A. Duarte, 214 Valencia, San Francisco.
COST, \$500

FRAME FLATS
 (3184) S GREEN 80 W Montgomery. Three-story and basement frame (6) flats.
 Owner.....P. Costello, 412 Broadway, San Francisco.
 Architect...None.
 Contractor, J. Devencenzi, 1069 Union, San Francisco.
COST, \$7000

FRAME DWELLING
 (3185) W WINFIELD 50 S Coso. One-story frame dwelling.
 Owner.....Anna Barbara Kemp, 41 Winfield Ave., S. F.
 Architect...None.
 Contractor, John W. Rosengren, 397 San Mateo Ave., S. F.
COST, \$1900

REPAIRS
 (3186) NOS. 841-3-5 GOLDEN GATE Ave. Repair fire damage to flats.
 Owner.....Mrs. Sullivan, 3248 Washington, San Francisco.
 Architect...None.
 Contractor, Fink & Schindler Co., 228 13th, San Francisco.
COST, \$1000

ALTERATIONS
 (3187) NOS. 414-26 DUBOCE AVE. Alter entrance to flats.
 Owner.....Jra W. Coburn, 180 Jessie, San Francisco.
 Architect...None.
 Day's work. **COST, \$950**

ALTERATIONS
 (3188) NO. 11 COMMONWEALTH AVE. Alter and repair dwelling.
 Owner.....Geo. A. Connolly, Premises.
 Architect...None.
 Contractor, Hemminga Bros., Inc., 1600 Fell, San Francisco.
COST, \$823

ALTERATIONS
 (3189) NO. 2480 MISSION. Extend show windows.
 Owner.....S. Bastandig, Premises.
 Architect...None.
 Day's work. **COST, \$100**

REFRIGERATOR
 (3190) NO. 1231 MARKET. All work for automatic refrigerating and ice making apparatus for Whitecomb Hotel.
 Owner.....James Otis Trustee, 310 California, S. F.
 Architect...Wright & Rushforth, 334 Pine, San Francisco.
 Contractor, The Automatic Refrigerating Co., 58 Sutter, S. F.
 Filed Oct. 31, '16. Dated

On charging plant with ammonia 50%
 On successful test.....25%
 Usual 35 days.....25%
TOTAL COST, \$5130
 Bond, \$2565. Surety, United States Fidelity & Guaranty Co. Limit, forfeit, none. Plans and specifications filed.

EXCAVATION, ETC.
 (3191) N MISSION 225 W Fourth 50x 30. Excavation of lot, etc.
 Owner.....A. Aronson.
 Architect...M. I. Schwartz, Nevada Bk. Bldg., San Francisco.
 Contractor, W. R. Kervin.
 Filed Oct. 31, '16. Dated Oct. 30, '16.
 Work 1/2 completed.....\$243.50
 Completed and accepted.....243.50

Usual 35 days.....1
TOTAL COST, \$6
 Bond, none. Limit, 25 days. Forfeit, none. Plans and specifications, none.

FRAME DWELLING
 (3192) E EIGHTEENTH AVE 7 Balboa. Two-story and basement frame dwelling.
 Owner.....A. V. Anderson, 1609 Ave., San Francisco.
 Architect...None.
 Day's work. **COST, \$**

FRAME DWELLING
 (3193) E EIGHTEENTH AVE 8 Balboa. Two-story and basement frame dwelling.
 Owner.....A. V. Anderson, 1609 Ave., San Francisco.
 Architect...None.
 Day's work. **COST, \$**

FRAME DWELLING
 (3194) E YOSEMITE 175 NW I One-story and basement frame dwelling.
 Owner.....Jos. Prado, 1725 Yosemite, San Francisco.
 Architect...None.
 Day's work. **COST, \$**

ADDITIONS
 (3195) NO. 221 SIXTEENTH AVE. to and repair dwelling.
 Owner.....Mrs. Elmer Westlake, 16th Ave., San Francisco.
 Architect...None.
 Day's work. **COST, \$**

SHED
 (3196) NO. 407 ELEVENTH. E shed.
 Owner.....Eaton & Smith, Premises.
 Architect...None.
 Day's work. **COST, \$**

FRAME FLATS
 (3197) N TWENTY-FIFTH 48 W E ard. Three-story and basement frame (3) flats.
 Owner.....Frank Amatore, 421 Alameda Ave., San Francisco.
 Architect...M. J. Welch, 915 T Ave., San Francisco.
 Day's work. **COST, \$**

FLATS AND STORE
 (3198) NW HOWARD AND TWENTY-fifth. Three-story (2) flats and store.
 Owner.....Frank Amatore, 421 Alameda Ave., San Francisco.
 Architect...M. J. Welch, 915 T Ave., San Francisco.
 Day's work. **COST, \$**

FRAME BUILDING
 (3199) E CASTRO 76 S 14th S 2 100 M B 118. All work except electric light fixtures, finish hardwood window shades and wall paper one-story frame dwelling and garage.
 Owner.....Mrs. Harriett Johnson.
 Architect...None.
 Contractor, C. T. Wengard, 3638 Juniper, San Francisco.
 Filed Nov. 1, '16. Dated Oct. 30, '16.
 Frame up\$67
 Brown coated 67
 Completed and accepted..... 67
 Usual 35 days..... 67
TOTAL COST, \$271
 Bond, \$1355.50. Sureties, Edw. E. McDon and Emil Nelson. Limit, 75 days. Forfeit, \$1. Plans and specifications filed.

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not **FOUR WHEEL DRIVE.**

On the F-W-D Truck every wheel is a **Driving Wheel.** The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. So the **F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps **ON the road and OUT of the repair shop.**

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;

Salt Lake City

BOILERS, ETC.

(3200) N CLAY 200 E Cherry; No. 3866
Clay. All work for two boilers, radiators, piping valves, steel smoke stack, etc., for building.
Owner..... Rosa G. Taussig, 3866 Clay, San Francisco.
Architect... G. Albert Lansburgh, 709 Mission, San Francisco.
Engineers... Leland & Haley, 58 Sutter San Francisco.
Contractor... J. E. O'Mara, 419 Minna, San Francisco.

Filed Nov. 1, '16. Dated Oct. 25, '16.

On completion and acceptance 75%
Usual 35 days..... 25%
TOTAL COST, \$922
Bond, \$300. Sureties, Geo. B. Stevens and W. D. Stewart. Limit, 21 days. Forfeit, none. Plans and specifications filed.

(Correction in Total Cost.)

RESIDENCE

(3109) N VALLEJO 171-10½ W Scott W 24-4½XN 137-6. Brick work for two-story brick and frame residence.
Owner..... J. R. Hanify, 24 Market, San Francisco.

Architect... Reid Bros., California-Pacific Bldg., S. F.
Contractor... Farrell & Reed, 709 Mission, San Francisco.

Filed Oct. 21, '16. Dated Oct. 3, '16.

75% as follows: ¼ completed and on completion 25%
Usual 35 days..... 25%
TOTAL COST, \$3790

Bond, \$1900. Surety, The Aetna Accident & Liability Co. Limit, as required. Forfeit, \$10. Plans and specifications filed.

ROOF SIGN

(3201) SE MISSION AND SIXTEENTH

Steel roof sign.

Owner..... Foster & Kleiser, 273 Valencia, San Francisco.

Architect... None.

Day's work. COST, \$650

FRAME RESIDENCE

(3202) W ATALAYA 158-4 N Fulton.

Two-story and basement frame residence.

Owner..... W. J. Keenan, Masonic & Fulton, San Francisco.

Architect... None.

Day's work. COST, \$2500

FRAME FLATS

(3263) S FULTON 106-3 W Masonic.

Two-story and basement frame (2) flats.

Owner..... W. J. Keenan, Masonic & Fulton, San Francisco.

Architect... None.

Day's work. COST, \$5000

FRAME RESIDENCE

(3204) W ATALAYA 157-6 N Fulton.

Two-story and basement frame residence.

Owner..... W. J. Keenan, Masonic & Fulton, San Francisco.

Architect... None.

Day's work. COST, \$2500

PLUMBING, ETC.

(3205) S MARKET, bet. 4th and 5th

Sis. Plumbing, heating and ventilating for alterations and additions to Emporium.

Owner..... Parrott Investment Co., 502 California, San Francisco.

Architect... None.

Contractor... Dinwiddie Constr. Co., Crocker Bldg., S. F.

BUILDING AND ENGINEERING NEWS

Sub-Contractor, Kiernan & O'Brien,

Inc., 1754 Mission, S. F.

Filed Nov. 2, '16. Dated Oct. 24, '16.

Monthly payments of..... 75%

Usual 35 days..... Final

TOTAL COST, \$16,999

Bond, \$9000. Sureties, G. F. Bernard

and Jas. I. Pinkerton. Limit, as required.

Forfeit, \$15. Plans and specifications, none.

FRAME RESIDENCE

(3206) SW ANZA AND NINTH AVE

S 25x E 95. All work except shades

and light fixtures for two-story and

basement frame residence.

Owner..... D. De Bernardi & Co., Inc.,

Front & Sacramento, S. F.

Architect... P. Righetti, Phelan Bldg.,

San Francisco.

Contractor... Emil Nelson, 241 Rivoli,

San Francisco.

Filed Nov. 2, '16. Dated Oct. —, '16.

Enclosed \$1250

Plastering completed 1250

Completed and accepted 1250

Usual 35 days..... 1250

TOTAL COST, \$5000

Bond, \$2500. Sureties, Martin and Hans

Nelson. Limit, 75 days. Forfeit, none.

Plans and specifications filed.

FRAME DWELLING

(3207) W EIGHTEENTH AVE & S

Moraga. One-story and basement

frame dwelling.

Owner..... Louis Johnson, 27 Rich-

land Ave., San Francisco.

Architect... None.

Day's work. COST, \$1800

FRAME DWELLING

(3208) SW EIGHTEENTH AVE AND

Moraga. Two-story and basement

frame dwelling.

Owner..... Louis Johnson, 27 Rich-

land Ave., San Francisco.

Architect... None.

Day's work. COST, \$2000

FRAME COTTAGE

(3209) W DE HARO 150 N 20th. One

and one-half-story frame cottage.

Owner..... John Michael, 71 Portola,

San Francisco.

Architect... None.

Contractor... John Michael.

COST, \$1500

ALTERATIONS

(3210) NW FAIRFIELD AND RANKIN.

Alter and add for dry room.

Owner..... California Glue Works,

Premises.

Architect... None.

Day's work. COST, \$1500

FRAME RESIDENCE

(3211) E TWENTY-EIGHTH AVE 50

S Lake. Two-story and basement

frame residence.

Owner..... Allen & Co., 125 Sutter,

San Francisco.

Architect... Architectural Dept. Allen

& Co., 125 Sutter, S. F.

Day's work. COST, \$6000

ALTERATIONS

(3212) NO. 1239 SUTTER. Minor

changes for salesroom.

Owner..... Boardman Bros., Agents,

28 Montgomery, S. F.

Architect... None.

Contractor... F. Fetter, 303 Guerrero,

San Francisco.

COST, \$540

ADDITION

(3213) NO. 1142 FILBERT. Add

dwellling.

Owner..... John O'Gara, Premises,

Architect... None.

Day's work. COST, \$5

ALTERATIONS

(3214) NO. 680 VALENCIA. Alt

store front, etc.

Owner..... Robt. McDuffie, 367 Gold

Gate Ave., San Francisco.

Architect... None.

Contractor... H. Dumoff, 1031 Gols

Gate Ave., San Francisco.

COST, \$4

FRAME SHOP

(3215) W MISSION-192 S 12th. On

story frame shop.

Owner..... Dan P. Dolan, Co., 16

Mission, San Francisco.

Architect... None.

Day's work. COST, \$3

FRAME DWELLING

(3216) N RUTLEDGE 62½ W Fran

conia. One-story and basement

frame dwelling.

Owner..... Anna W. Sirvio, 222 Ru

ledge San Francisco.

Architect... None.

Contractor... John A. Kuivalo, 120

Dartmouth, San Francisco.

COST, \$80

REPAIRS

(3217) SW FILLMORE AND FULTON

Repair and alter storeroom.

Owner..... Mrs. Becker, 863 Fillmor

San Francisco.

Architect... None.

Contractor... J. M. Cobby, 180 Jessi

San Francisco.

COST, \$40

ALTERATIONS

(3218) NOS. 1344-50 STEVENSON. Ce

ment yard and basement floor.

Owner..... Kery & Silvers, 107 Mont

gomery, San Francisco.

Architect... None.

Contractor... A. Seghieri & Bros., Inc

35 Cook, San Francisco.

COST, \$10

FRAME DWELLING

(3219) W INGALLS 66-8 N Fitzgerald

One-story and basement frame dwlg

Owner..... Bay View Bldg. Co., 231

Ingalls, San Francisco.

Architect... None.

Day's work. COST, \$1000

ALTERATIONS

(3220) NO. 118 KEARNY. Alter store

Owner..... D. C. Hezer, 118 Kearny

San Francisco.

Architect... None.

Contractor... Western Hardwood Mfg

Co., 1034 Golden Gate Ave.,

San Francisco.

COST, \$1000

ALTERATIONS

(3221) NO. 1003 GENEVA. Alter in-

terior and exterior of dwelling.

Owner..... F. Carrick.

Architect... None.

Contractor... Victor Bjors, 558 Sanchez,

San Francisco.

COST, \$700

FRAME RESIDENCE

(3222) W NINETEENTH AVE 75 N

Anza. Two-story and basement frame

residence.

Owner.....Oscar Lind, 4385 25th, S. F.
Architect...None.
Day's work. COST, \$2900

FRAME RESIDENCE
(3223) W NINETEENTH AVE 50 N
Anza. Two-story and basement frame
residence.

Owner.....Oscar Lind, 4385 25th, S. F.
Architect...None.
Day's work. COST, \$2900

FRAME DWELLING
(3224) S SANTA YNEZ 170 E Delano.
One-story and basement frame dwlg.
Owner.....E. F. Helms, 4303 California,
San Francisco.

Architect...None.
Day's work. COST, \$1800

FRAME DWELLING
(3225) S SANTA YNEZ 145 E Delano.
One-story and basement frame dwlg.
Owner.....E. F. Helms, 4303 California,
San Francisco.

Architect...None.
Day's work. COST, \$1800

FRAME DWELLING
(3226) S SANTA YNEZ 120 E Delano.
One-story and basement frame dwlg.
Owner.....E. F. Helms, 4303 California,
San Francisco.

Architect...None.
Day's work. COST, \$1800

FRAME DWELLING
(3227) S SANTA YNEZ 98 S Delano.
One-story and basement frame dwlg.
Owner.....E. F. Helms, 4303 California,
San Francisco.

Architect...None.
Day's work. COST, \$1800

LEASE.

SAN FRANCISCO COUNTY.

Oct. 28, 1916—N EDDY 137-6 W Larkin
W 68-9xN 120. Carl T and Amanda
Hasshagen to Harry R Rogers. 3
years. \$10,800.

Oct. 27, 1916—NO. 556 CASTRO. C F
Gross to Mrs B E Levy. 1 year. \$100

Oct. 30, 1916—BLK BDED BY EIGHTH
Wisconsin, 16th and Caroline, except
Ptn leased to American Fuel Co, de-
scribed as NW 16th and Wisconsin W
75 N 200 E to 8th NE to Wisconsin S
to heg, George A Newhall and Geo A
Newhall and Virginia Whitney
Newhall as exrs Est E W Newhall,
dec'd to P J Gartland. 3 years. \$150
per month.

Nov. 1, 1916—SW TWENTY-FOURTH
and Potrero Ave S 25xW 100. Nich-
olas and Catherine M Ohlandt to G
G Frisbee. 3 years. \$10 per month.

Nov. 3, 1916—NO. 145 FILLMORE W
line, bet. Eddy and Ellis. Paula M
Patji to Bert Buzan. 2 years. \$2400.
Assigned Aug. 20, 1916 to Ernest
Bertolini.

Nov. 3, 1916—NOS. 109-111 EMBARCA-
dero (East). Harry Goldenhar to
Geo Matsas and Harry Doumakis. 3
years. \$1800.

Nov. 3, 1916—NO. 1838 FIFTEENTH AV
on E Cor. Ramona Ave. John F
Sperisen to Minnie Hallisey. 5 years.
\$45 per month.

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Nov. 1, 1916—E LANGTON 145 S
Bryant S 36xE 80. Elisabeth Den-

nis as to improvement on leased
property
Nov. 1, 1916—E FILLMORE 167-6 N
Post N 30xE 93. H C Morris and
F A Muller as to improvements on
leased property

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Oct. 30, 1916—S PINE 151-9 W Van
Ness Ave W 30xS 120. Caroline
Moldenhauer as to improvements on
leased property

ARCHITECTS' CERTIFICATE.

Gertrude E. Comfort has filed her
Certificate of Architecture for San
Francisco County. Filed Oct. 30, 1916.

OCTOBER BUILDING PERMITS.

More than one million dollars was
expended in building construction for
the month of October, according to a
report issued by the Board of Public
Works. These figures being secured
from the number of Building Permits
issued by that Department. In all, 542
permits were granted; 379 of these he-
ing for alterations to standing struc-
tures.

The following report is complete, as
issued by the Department:

Class	No. of Bldgs	Cost
"B"	1	\$ 17,500
"C"	18	290,752
Frames	137	468,854
Alterations	379	136,421
Harbor Buildings	1	69,044
Public Buildings	6	27,893
Total	542	\$1,010,164

ARCHITECTS' CERTIFICATE.

Nov. 3, 1916—Oliver Everett has filed
his Certificate of Architecture for
San Francisco County.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED

Oct. 19, 1916—SW VIRGINIA AVE
123-6 SE Mission SE 26xSW 60; Lot
38 Godeus Gift Map Sub Lots 374,
375, 376 and 377 P V. Lucie Eliza-
beth Kleinsorg (wf Peter) to Peter
Kleinsorg.....Oct. 16, 1916
Oct. 19, 1916—N SACRAMENTO 146-8
W Taylor W 27-8xN 120. Joseph
Bacelocco to H Conrad.....Oct. 13, 1916
Oct. 19, 1916—S GEARY 68-9 W Oc-
tavia W 68-9xS 120. Jacob Steur
to whom it may concern.....Oct. 19, 1916
Oct. 19, 1916—E ASHBURY 100 N
Grove N 25 E 100 N 12-6 E 15-8 S
37-6 W 115-8. Emile A Dulip to
Jacob Witzelsburger.....Oct. 17, 1916
Oct. 19, 1916—SE SAN JOSE AVE
135.01 SW Santa Ynez Ave SW
31.10 ptn Sub Lots 1 and 2 Blk 33
West End Map No. 1. Henry
Steinbach to Louis Johnson.....
.....Oct. 16, 1916
Oct. 19, 1916—E TENTH AVE 100 S
Geary. Florence Bartlett to John
J Binet Co.....Oct. 18, 1916
Oct. 19, 1916—S BALBOA 94 W 24th
Ave W 25xS 192 m or l. James B
Kidd to Iro W Coburn.....Oct. 17, 1916

Oct. 20, 1916—N SACRAMENTO 119-2
W Taylor W 27-6xN 120. Henry
Calleaud Jr to Henry Conrad.....
.....Oct. 20, 1916
Oct. 20, 1916—LOT 37 BLK 17 B Al-
fred Sbdvn West End Map 1.
Anna Wanner to Axel R Larson.....
.....Oct. 19, 1916
Oct. 20, 1916—NOS. 310 364 EDDY.
Builders Realty Co to Petersen-
James Co.....Oct. 16, 1916
Oct. 20, 1916—W TWENTY-THIRD
Ave 300 S Lincoln Way S 25xW 120.
Eric Dahlberg to whom it may concern
.....Oct. 20, 1916
Oct. 20, 1916—SW THIRD AVE AND
"H" W 95xS 45. J A Rutherford
to Ruegg Bros.....Oct. 19, 1916
Oct. 21, 1916—W MISSOURI 150 S 19th
25x100. James Stewart to A M
WallenOct. 20, 1916
Oct. 21, 1916—N PINE 137-6 E Van
Ness Ave E 62xN 137-6. Mary N,
Lucy H and Edith W Allyne to Bar-
rett & Hilp.....Oct. 14, 1916
Oct. 21, 1916—NO. 445 SUTTER S line
bet Powell and Stockton. Pacific
Gas & Electric Co to Scott Co.....
.....Oct. 19, 1916
Oct. 23, 1916—E FIFTEENTH AVE
275 N Fulton N 25xE 127-6. Sull-
man E Brown and Sterling Realty
Co to whom it may concern.....
.....Oct. 21, 1916
Oct. 23, 1916—W SEVENTEENTH AV
75 N Lake N 25xW 57-6. Arthur H
Malm to F Caldwell & Son.....
.....Oct. 23, 1916
Oct. 23, 1916—S CARL 150 W Clayton
No. 27 Carl, Ross V Davis to J W
Marsden.....Oct. 20, 1916
Oct. 23, 1916—E SEVENTEENTH AV
125-11 N Clement N 50xE 120. J
Johnson to whom it may concern.....
.....Oct. 21, 1916
Oct. 24, 1916—S CLAY 156-10 E
Franklin 40-6½x127-8¼. Agnes C
Hostetter to John G Chase.....
.....Completed
Oct. 21, 1916—E WHITNEY 225 S
Randall. Fredk and Eugenie
Schwarz to W H Grahn.....Oct. 15, 1916
Oct. 24, 1916—NE FIFTH & JESSIE
75 m or l on 5th by 175 m or l on
Jessie. J B Lankershim to D J
& T Sullivan, Inc.....Oct. 19, 1916
Oct. 24, 1916—W LARKIN 30 S Post
S 40xW 95. Savings Union Bank
& Trust Co to Spencer Elevator Co
.....Oct. 18, 1916
Oct. 24, 1916—E DOLORES 140 N 14th
N 70xE 110. Cynthia L Guntz to
W L Nagel and O W Britt.....Oct. 23, 1916
Oct. 25, 1916—S TWENTYETH 30 E
Sanchez E 25xS 83-6. John Bjork-
man to whom it may concern.....
.....Oct. 25, 1916
Oct. 25, 1916—NW NORTH POINT &
Larkin N 275xW 112-6. D Ghira-
delli Co to H H Larsen & Bro.....
.....Oct. 25, 1916
Oct. 25, 1916—S SACRAMENTO 141-9
E Laguna E 50-9xS 132-8½. Geo
H Roundey to whom it may concern
.....Oct. 25, 1916
Oct. 25, 1916—N GEARY 167 S W
Larkin W 25xN 120. William A
and Hattie McKee to whom it may
concern 1916
Oct. 26, 1916—SE HAYES & OCTAVIA
E 62-6xS 120. Daniel M Moran to
C T Jacobson, Philip A Bill (Bill &
Jacobson) and Aylsworth Agencies
Co.....Oct. 21, 1916
Oct. 26, 1916—SW FIRST 40 SE
Stevenson SE 10 SW 167-6 NW 80

NE 87-6 SE 40 NE 80. Langley & Michaels Co. to Sibley Grading & Teaming Co. Oct. 24, 1916

Oct. 26, 1916—W LARKIN 30 S Post S 40xW 95. Savings Union Bank & Trust Co. to Frederick W Snook Co. Oct. 24; United States Metal Products Co. Oct. 25, 1916

Oct. 26, 1916—E TWELFTH AVE 275 N Fulton 25x E 120. Caleb S Trimble or Trimble to Chas Schwarz Oct. —, 1916

Oct. 26, 1916—NO. 820 HOLLOWAY AVE NW Cor. Jules Ave. 160x125. Ada M Bender to whom it may concern Oct. 17, 1916

Oct. 26, 1916—SE HAYES AND OCTAVIA E 62-6xS 120. Daniel M Moran to M A Be Lew. Oct. 24, 1916

Oct. 27, 1916—BLK BDEB by CLAY, Webster, Sacramento & Buchanan. The Board of Trustees of the Leland Stanford Jr University to The Turner Co. Oct. 20; W A Goerick. Oct. 20, 1916

Oct. 27, 1916—LOT 3 BLK 2978 Merritt Terrace. L S Allen to whom it may concern. Oct. 27, 1916

Oct. 27, 1916—W NINTH AVE 125 S Balboa S 25xW 120. Joseph C Kirby to whom it may concern. Oct. 27, 1916

Oct. 27, 1916—E FIFTEENTH AVE 275 N Judah N 25x E 127. Leigh & Schultz to whom it may concern. Oct. 25, 1916

Oct. 27, 1916—W THIRTY-FIRST AV 266-8 N Clement N 27-3½ W 120 S 39-8½ — 120-1½. Mary F O'Brien (nee O'Connor) to Otto Carson & Co. Oct. 25; 1916

Oct. 28, 1916—SE HAYES AND OCTAVIA E 62-6xS 120. Daniel M Moran to The Turner Co. Oct. 26, 1916

Oct. 28, 1916—E TWENTY-FOURTH AVE 200 S Geary S 25x E 120. John J Kingwell Jo F O McKay. Oct. 23, '16

Oct. 28, 1916—N BUSH 162-6 E Hyde E 36xN 137-6. Saint Francis Hospital Co. to Vulcan Iron Works. Oct. 24, 1916

Oct. 28, 1916—E MISSION 100 — Excelsior Ave 25x82-6. Nicola Pagliettini to A Dhrendt. Oct. 28, 1916

Oct. 28, 1916—W TWENTY-THIRD AVE 125 S California S 25xW 120. Geo and Mary Ellis to whom it may concern. Oct. 27, 1916

Oct. 28, 1916—LOT 15 BLK 6442. Crocker Amazon Tract Sub No. 2. H W Morris to Alfred C Dahl. Oct. 27, 1916

Oct. 30, 1916—W ARKANSAS 350 S 20th 25x100. Lot 377.6 S 20th 25x100. Lot 406 S 20th 25x100. Chas E Heinhart to Alex Martinet. Oct. 28, 1916

Oct. 30, 1916—NW BUSH & SANSOME NW 137-6 W 67-6 S 137-6 E 67-6. Standard Oil Co by P J Walker, Agt to C Jorgensen & Co. Oct. 21, 1916

Oct. 30, 1916—W TWENTY-SECOND AVE 175 S Anza S 25xW 120. Bryan and Feerick and Michel Costello to whom it may concern. Oct. 28, 1916

Oct. 30, 1916—LOT 19 Lyon & Hoags Sub Bakers Beach Land Co. Elizabeth M Hirsch to Alfred Peterson. Oct. 18, 1916

Oct. 31, 1916—NE ANZA & ELEVENTH AVE N 100x E 32-6. A A Lobree to Wm Linden. Oct. 24, 1916

Oct. 31, 1916—SW FOLSOM AND 26th W 170 S 150-9½ m or 1 S 86 deg 35 min E 175 m or 1 N 173. Board of Trustees of Cogswell Polytechnical College to Lange & Bergstrom. Oct. 24, 1916

Oct. 31, 1916—N McALLISTER 137-6 E Steiner E 40xN 137-6. Leopold and Bertha Marks to O K Holt. Oct. 31, '16

Oct. 31, 1916—NE THIRTEENTH AV 106 SE "M" (South) SE 25 NE 25 NW 25 SW 100 Blk 248. South San Francisco H & R R Ass'n. Thomas Glynn to T L Shapman. Oct. 25, 1916

Oct. 31, 1916—W FILLMORE 103 N Sutter N 56xW 160. E C and O M Hueter to Higginson Co. Inc. Oct. 31, 1916

Oct. 31, 1916—S FARALLONES 125 E Plymouth Ave E 45x125. David Houle to whom it may concern. Oct. 30, 1916

Oct. 31, 1916—N HARVARD & FELTON NW 25xNE 85 Lot 5 Bk 101 University Mound. Alex Martinet to whom it may concern. Oct. 31, 1916

Oct. 31, 1916—E FOURTH AVE 125 N Geary 25x120. Moses Kleinhaupt to Chester L Knight. Oct. 28, 1916

Nov. 2, 1916—W TWENTY-FOURTH AVE 50 N California N 25xW 95. John Gray to F O McKay. Oct. 30, 1916

Nov. 1, 1916—LOT 39 BLK 25. Crocker Amazon Tract. Alfred C Dahl to whom it may concern. Nov. 1, 1916

Nov. 2, 1916—E PRESIDIO AVE 110, 9¼ S Bush S 26-8¼x E 211-5½. Franz X and C Dietseche (Wf) to Henry Baumann. Oct. 17, 1916

Nov. 2, 1916—NO. 340 STOCKTON. Kenneth MacDonald Jr to Williams Bros & Henderson. Oct. 31, 1916

Nov. 2, 1916—SW WASHINGTON & Divisadero S 50xW 60. Lillie Hyman (Wf W A) to Wm Little. Nov. 1, 1916

Nov. 2, 1916—NE ARMY & BRYANT E 75-2½ N 26-10½ W 75 S 27-3½. Giaconia Locastro to New Era Bldg Co. Nov. 1, 1916

Nov. 2, 1916—E DIVISADERO 87-6 S McAllister E 106-2xS 50. Irma D Danziger to Barrett & Hipp. Nov. 1, 1916

Nov. 3, 1916—E THIRTY-FOURTH AVE 100 N Irving N 25x E 120. J W Gillogley to whom it may concern. Nov. 3, 1916

Nov. 3, 1916—N GREEN 133-4 W Mason W 22-11xN 137-6. Eugene Laujardiere to Paul De Martini. Nov. 1, 1916

Nov. 3, 1916—W LARKIN 30 S Post S 40xW 95. Savings Union Bank & Trust Co. to Mangrum & Otter, Inc. Nov. 2; Central Elec. Co. Nov. 2; H Maundrell, Nov. 2; Sunset Iron Works. Nov. 2, 1916

Nov. 3, 1916—LOT 6 BLK "B" Mission Terrace. John E McCarthy to John E McCarthy Co. Nov. 1, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED	AMOUNT
Oct. 21, 1916—S GEARY 92 W Powell W 45xS 137-6. Bennett Bros vs H L Josey.	\$76.31
Oct. 21, 1916—NW PIERCE & EDDY N 75xW 30. American Marble & Mosaic Co vs Virginia Luvisi, John H Mertz and Henry Conrad.	\$155
Oct. 21, 1916—NW EDDY & PIERCE W 30xN 75. Joost Bros, \$182.61; Marshall & Stearns, \$159 vs Virginia Luvisi and John H Mertz.	
Oct. 21, 1916—NW EDDY & PIERCE N 75xW 30. Macdonald Lumber Co vs Virginia Luvisi, John H Mertz and Henry Conrad.	\$398.08

Oct. 21, 1916—NW EDDY & PIERCE W 30xN 75. Asher Elec Co vs John H Mertz, Henry Conrad and Virginia Luvisi.	\$180
Oct. 21, 1916—N ANZA 108 W 9th Ave W 25xN 100. D Regis and L Trebino vs Chas Linebaugh.	\$147
Oct. 21, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. O Kurtz, \$255.22; Pope & Talbot, \$116.50 vs Chas Paff and Vincenza Sturiza.	
Oct. 23, 1916—NW EDDY & PIERCE W 30xN 75. Brass & Bronze Ornamental Art Mfg Co vs Virginia Luvisi and J H Mertz.	\$173
Oct. 23, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Esposito Bros, \$74; Malott & Peterson, \$42 vs Vincenza Sturiza and Chas Paff.	
Oct. 23, 1916—NW EDDY & PIERCE W 30xN 75. Eurtka Sash, Door & Moulding Mills vs Virginia Luvisi and John H Mertz.	\$124.92
Oct. 23, 1916—S CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. D F Sullivan vs Vincenza Sturiza and Chas Paff.	\$215
Oct. 24, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1. Habeneicht & Howlett vs Vincenza Sturiza and Chas Paff.	\$81.20
Oct. 24, 1916—E CHURCH 227 N 24th E 160 N 1 E 25 N 32 W 125 S 33. Charles S Amsler vs Vincenza Sturiza and Chas Paff.	\$56
Oct. 24, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. J H Kruse vs Vincenza Sturiza and Chas Paff.	\$84.63
Oct. 24, 1916—N CLEMENT 55 W 15th Ave W 25xN 104-3. Leonard Lumber Co vs A Melander.	\$845.02
Oct. 24, 1916—S CABRILLO 27-6 W 15th Ave W 25xS 100. Eureka Sash Door & Moulding Mills vs H P Cox and C E Herrick and O E Jones.	\$59.58
Oct. 24, 1916—S GEARY 92-6 W Powell W 45xS 137-6. H W Johnson-Manville Co vs N L Josey.	\$381.90
Oct. 25, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Western Lime & Cement Co, \$78.44; Holmes Lime & Cement Co, \$21.20 vs Vincenza Sturiza and Chas Paff.	
Oct. 25, 1916—S MAYNARD 250 E Craut E 25xS 110. Jas H Hardy vs Ignatius J and Catherine A Zabriske and E F Helms.	\$242.80
Oct. 26, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Marius Hennings vs Vincenza Sturiza and Chas Paff.	\$154
Oct. 26, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. Joost Bros vs Vincenza Sturiza and Chas Paff.	\$49.55
Oct. 26, 1916—NW EDDY & PIERCE W 30xN 75. Ahlbach & Mayer, \$538.50; Rasmussen & Maillard, \$142; Henry Ullner, \$50; L H Birth, \$511.70; Dresser, McDonnell & Co, \$50; Michel & Pfeffer, \$260 vs Virginia Luvisi and J H Mertz.	
Oct. 27, 1916—SE MARKET AND Brady W 75xS 124. George F Bernard vs C H Crocker and George F Price.	\$3.38
Oct. 27, 1916—E CHURCH 227 N 24th E 125 S 32 W 25 S 1 W 100 N 33. Roberts Mfg Co vs Vincenza Sturiza and Chas Paff.	\$37.75
Oct. 27, 1916—S MINNA 470 W Third 40x70. J S Guerlin & Co vs Fred-	

erick Marriott and R B MacDon-
ald\$79.99
Oct. 28, 1916—W RUSS & FOLSOM
SW 50xNW 100. Geo Frankel vs
Henry C Hincken and O E Evans &
Co\$520
Oct. 30, 1916—E CHURCH 227 N 24th
N 32 E 125 S 22 W 25 S 1 W 100.
Chas J Powers vs Vincenza Sturlza
and Chas Paff\$54.25
Oct. 30, 1916—NW FOLSOM & RUSS
W 50xN 100. James H Hardy vs
Henry C Hincken and O E Evans &
Co\$279.66
Oct. 30, 1916—E COLLINS 321-8 N
Geary N 25xE 120. C H Beckman
vs W F and Jeanette Yates\$203
Oct. 30, 1916—NE ALLSTON WAY
99.95 SE Claremont Blvd SE 30 NE
100 NW 25 SW 100 Lot 16 Bk 2977.
Merritt Terrace. Eureka Sash, Door
& Moulding Mills vs Frank J and
Nettie J Hyland\$142.03
Oct. 30, 1916—40 FEET W OF SW
Naples and Seville. G C Ames vs
C Jeffreys, Tony Soneno and Alfred
D Dahl\$12.50
Oct. 31, 1916—W FOLSOM AND RUSS
NW 100xSW 50. S Muller vs Henry
C Hincken and O E Evans & Co\$380
Oct. 31, 1916—W RUSS & FOLSOM
SW 50xNW 100. L B Hooper vs
Henry Hincken\$236.50
Oct. 31, 1916—W FOLSOM & RUSS
NW 100xSW 50. G McElhinney vs
Sophie J Morgan and O E Evans
Co, Inc\$24
Oct. 31, 1916—NW CLARA 254-6 SW
Fifth SW 25xNW 80. Empire Plan-
ing Mill vs E R Helms, Wm A and
Gertrude M Brosnan\$310
Nov. 1, 1916—NW FOLSOM & RUSS
W 50xN 100; Lots 21 and 22 Bk
373, City Land. F G Norman &
Sons vs Henry C Hincken, O E
Evans & Co, Inc\$145
Nov. 1, 1916—W FOLSOM & RUSS
SW 50xNW 100. Leonard Lumber
Co vs Henry C Hincken and O E
Evans & Co, Inc\$1086.22
Nov. 1, 1916—W FOLSOM & RUSS
SW 50xNW 100. E B & A L Stone
vs Henry C Hincken and O E Evans
& Co, Inc\$37.50
Nov. 1, 1916—NW FOLSOM & RUSS
W 50xN 100. Pacific Concrete &
Mosaic Works vs Henry C Hincken
and O E Evans & Co\$1595.20
Nov. 1, 1916—W RUSS & FOLSOM
SW 25xNW 100; NW Folsom 25 SW
Russ SW 25xNW 100, Incandecent
Supply Co vs Henry C Hincken
and O E Evans & Co\$118.95
Nov. 2, 1916—NW FOLSOM & RUSS
W 50xN 100. Gustave Johnson vs
Henry C Hincken and O E Evans
& Co, Inc\$108
Nov. 2, 1916—W RUSS & FOLSOM
SW 50xNW 100. Akard Door Opener
Co vs Henry C Hincken and O E
Evans & Co\$44
Nov. 2, 1916—NW FOLSOM & RUSS
W 50xN 100. Joost Bros vs Henry C
Hincken and O E Evans & Co\$347.46
Nov. 2, 1916—NW CLARA 254-6 SW
Fifth SW 75xNW 8. John Cassa-
retto vs William A and Gertrude
M Brosnan\$45.55
Nov. 2, 1916—W FOLSOM & RUSS
NW 100xSW 50. Eagle Elec Co vs
Henry C Hincken and O E Evans
& Co\$225
Nov. 2, 1916—S CHURCH 227 N 24th
N 32 E 125 S 32 W 25 S 1 W 100.
N Clark & Sons vs Chas Paff and
Mrs Vincenza Sturlza\$53.58
Nov. 2, 1916—S GEARY 92-6 W

Powell W 45xS 137-6. Harry Beach
(as Beach Elec Co) vs N L Josey
and Regan Estate Co, Inc\$875.50
Nov. 2, 1916—W RUSS AND FOLSOM
SW 50xNW 100. R W Parkes vs
Henry C Hincken and O E Evans &
Co\$492.33

OAKLAND AND ALAMEDA COUNTY

SEWER CONSTRUCTION—Cost not
stated. Berkeley, Alameda Co., Cal. En-
gineer, City Engineer, Berkeley. Own-
ers, City of Berkeley. Bids will be
opened on November 10th for sewer
construction authorized under the fol-
lowing resolution: That a six (6) inch,
vitrified, ironstone pipe sewer and three
brick manholes 4 feet in diameter be
constructed in Cedar street in the vi-
cinity of Sacramento street.

RESIDENCES—2, 1 story and base,
frame, \$2,000 each. Oakland, Cal. Ar-
chitect, none. Owner, R. C. Hilton, 430
Haight avenue, Alameda. Location,
southwest Hopkins and High streets.
Each dwelling will contain five rooms,
bath and sleeping porch. Plans com-
plete and work to be done by Day
Labor.

RESIDENCE — 1 story and base,
frame, \$7,500. Berkeley, Alameda Co.,
Cal. Architect, August G. Headman,
Call-Post Bldg., S. F. Owner, Mrs.
Blanch Whiteside. Location, Claremont
Court. Will contain ten rooms, bath
and separate garage. Plans being pre-
pared.

RESIDENCE — 1 story and base,
frame, \$2,000. Oakland, Cal. Architect,
none. Owners, Morgenson Bros., 559
63rd street, Oakland. Location, south
44th street east Webster. Will contain
five rooms, bath and sleeping porch.
Plans complete and work to be done by
Day Labor.

RESIDENCE — 1 story and base,
frame, \$3,000. Oakland, Cal. Architect,
none. Owner, J. F. Dingwell, 1011
Franklin street, Oakland. Location,
Lakewood Park. Will contain seven
rooms, bath and sleeping porch. Plans
complete and work to be done by Day
Labor.

RESIDENCE — 1 story and base,
frame, \$2,000. Piedmont, Alameda Co.,
Cal. Architect, R. C. Pollard, 305 14th
street, Oakland. Owner, C. B. Coit. Lo-
cation, west Jerome street north Oak-
land avenue. Will contain six rooms,
bath and sleeping porch. Plans com-
plete and work to be done by Day
Labor.

RESIDENCE — 1 story and base,
frame, \$2,000. Oakland, Cal. Architect,
M. I. Diggs, Syndicate Bldg., Oakland.
Owner, J. E. Devereaux. Location, west
Vicente south 58th street. Will con-
tain five rooms, bath and sleeping
porch. Plans complete and work to be
done by Day Labor.

RESIDENCE — 1 story and base,
frame, \$2,500. Oakland, Cal. Architect,
none. Owner, J. C. Pfange, 5487 Clare-
mont avenue, Oakland. Location, west
Shattuck avenue north 56th street. Will
contain five rooms, bath and sleeping
porch. Plans complete and work to be
done by Day Labor.

RESIDENCE — 1 story and base,
frame, \$1,600. Oakland, Cal. Architect,
none. Owner, Andrew Anderson, 1096
48th street, Oakland. Location, north
Arkansas east Peralta. Will contain
five rooms and bath. Plans complete
and work to be done by Day Labor.

APARTMENT HOUSE—2 story and
base, frame, \$25,000. Berkeley, Ala-
meda Co., Cal. Architect, none. Owner,
E. A. Schmidt 71 10th street, Oakland.
Location, Durant avenue. Will contain
60 rooms, arranged in two and three
room apartments. Plans complete and
work to be done by Day Labor.

FLATS—3 story and base, frame,
\$12,000. Berkeley, Alameda Co., Cal.
Architect, James W. Plachek, Acheson
Bldg., Berkeley. Owner, Mrs. Irvine.
Location, Le Conte near Euclid. Will
contain three flats of five and six
rooms. Plans complete and figures be-
ing taken.

COLLEGE BUILDING EXTERIOR
CEMENT WORK \$7,940. Berkeley,
Alameda Co., Cal. Architect, John Ga-
len Howard, 604 Mission street, S. F.
Owners, Regents of the University of
California. Leonard Bosch submitted
the lowest figure for exterior cement
work on the Chemistry Building, and
will be awarded the contract. A com-
plete list of the bids will be found
under the heading of Oakland and Al-
ameda County in this issue.

RESIDENCE — 1 story and base,
frame, \$1,500. Albany, Alameda Co.,
Cal. Architect, none. Owner, David
Stromberg, 1411 West street, Oakland.
Location, west Evelyn north Cordina
Creek. Will contain five rooms, bath
and sleeping porch. Plans complete
and work to be done by Day Labor.

GARAGE—1 story, brick, \$5,000. Oak-
land, Cal. Architect, James W. Plachek,
Acheson Bldg., Berkeley. Owner, M.
Murphy. Location, 51st and Telegraph.
Designed for a commercial garage.
Plans complete and segregated figures
being taken.

HOSPITAL COTTAGES—6, 1 story,
frame and concrete, \$106,985. Oakland,
Cal. Architect, Henry H. Meyers, Kohl
Bldg., S. F. Owners, Alameda County.
Contractor, W. G. Thornalley, 565 16th
street, Oakland. Contract price, \$106-
985. A complete list of these figures
will be found under the heading of
Oakland and Alameda County.

HOSPITAL WARD—2 story, frame
and concrete, \$21,000. Oakland, Cal.
Architect, Charles Peter Weeks, Phe-
lan Bldg., S. F. Owners, Alameda
County. Contractor, R. W. Littlefield,
565 16th street, Oakland. Contract
price, \$21,000. A complete list of these
figures will be found under the head-
ing of Oakland and Alameda County in
this issue.

RESIDENCE—1½ story and base,
frame. Cost not stated. Oakland, Cal.
Architect, none. Owner, Paul E. Wood-
burn, 3965 Greenwood avenue, Oakland.
Location, east Dolores north El Centro.
Will contain six rooms, bath and
sleeping porch. Plans complete and
work to be done by Day Labor.

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Amt.
2551	Rollar	Stewart	3000
2552	Same	Same	3000
2553	Scott	Scott	400
2554	Mierswa	Mierswa	416
2555	Adams	Adams	400
2556	Hillen	Hillen	400
2557	Lanyons	Whitford	500
2558	Hillen	Hillen	2000
2559	Hillen	Hillen	2000
2560	Smythe	Gunn	1000
2561	Fruit & Produce	Olson	6473
2562	Garfinkle	Roth	2900
2563	Kings Dgtrs.	Farquharson	4000

2561	Sommarstrom	Owner	140000
2563	Greiner	Basset	2050
2566	Peabody	Peabody	400
2567	Sprinkmeyer	Anderson	1700
2571	Joy	Strang	4375
2572	Kisch	Prism	400
2573	Baby Hspit	Sheell	400
2577	Waters	Jenks	500
2579	Coit	Coit	2500
2580	Harswill	Horswill	4000
2581	Pirang	Pirang	2500
2582	Morgenson	Morgenson	2000
2583	Hoffman	Kundruss	1580
2584	Anderson	Anderson	1600
2585	Eva	Cameron	1000
2586	Waters	Jenks	950
2587	Devereaux	Devereaux	2000
2588	Fuller	McGuigan	350
2589	Stronberg	Owner	1400
2591	Brown	Daval	500
2592	Archbishop	Davis	400
2593	Oakland	Faulkes	1300
2594	Same	Same	650
2595	Same	Same	650
2596	Lepori	Grosse	1600
2597	Pacific Gas	Owner	800
2598	Whitburn	Owner	2500
2600	Graybill	Griffin	

FRAME COTTAGE, ETC.

(2551) N HOWARD ROAD, Lot 5 Lakewood Park, Piedmont. One-story frame cottage and garage. Owner.....C. D. Rollar, 484 13th, Okd. Architect...None. Contractor..B. A. Stewart, 8 Fairview, Piedmont. COST, \$3000

FRAME RESIDENCE

(2552) N HARVARD RD; Lot 6, Lakewood Park, Piedmont. One-story frame residence and garage. Owner.....C. D. Rollar, 484 13th, Okd. Architect...None. Contractor..B. A. Stewart, 8 Fairview, Piedmont. COST, \$3000

DWELLING

(2553) NE THIRTY-EIGHTH AVE & Redding, Oakland. One-story 3-room dwelling. Owner.....R. H. Scott, 3616 E-16th, Oakland. Architect...None. Day's work. COST, \$100

ALTERATIONS

(2554) NO. 3773 ANGELO AVE., Oakland. Alterations. Owner.....Jennie D. Mierswa, Prem. Architect...None. Day's work. COST, \$110

ADDITION

(2555) NO. 6215 DOVER, Oakland. Addition. Owner.....F. C. Adams, Premises. Architect...None. Day's work. COST, \$100

ALTERATIONS

(2556) NO. 2457 E-TWENTY-SECOND, Oakland. Alterations. Owner.....R. C. Hillen, 430 Haight Ave., Alameda. Architect...None. Day's work. COST, \$100

GARAGE

(2557) NOS. 176-8 ORANGE, Oakland. Garage. Owner.....Jas. Lanyon, 275 Walsworth Ave., Oakland. Architect...None. Contractor..W. T. Whitford, 121 42nd, Oakland. COST, \$500

DWELLING

(2558) SW HOPKINS AND HIGH, Oakland. One-story 5-room dwelling.

Owner.....R. C. Hillen, 430 Haight Ave., Alameda. Architect...None. Day's work. COST, \$2000

DWELLING
(2559) W HIGH 40 N Quigley, Oakland. One-story 5-room dwelling. Owner.....R. C. Hillen, 430 Haight Ave., Alameda. Architect...None. Day's work. COST, \$2000

ALTERATIONS

(2560) NO. 1625 MYRTLE, Oakland. Alterations. Owner.....W. J. Smythe. Architect...None. Contractor..J. F. Gunn, 839 Jackson, Oakland. COST, \$1000

STEEL WORK

(2561) (G) SW SECOND AND FRANKLIN 100x75; (H) S Second bet. Broadway and Franklin, 28x75, Oakland. Steel work, roofing, carpenter and painting for one two-story and mezzanine brick store and one one-story brick store. Owner.....Fruit & Produce Realty Co. Oakland. Architect...Chas. W. McCall, Central Bank Bldg., Oakland. Contractor..Alfred Olson, 565 16th, Oakland. Filed Oct. 28, '16. Dated Oct. 26, '16. 2nd floor joists in place on G and ceiling joists on H.....\$1000 Roofs sheathed 1212 Tar and gravel roof on 1214 Completed and accepted..... 1428 Usual 35 days..... 1619 TOTAL COST, \$6473 Bond, \$3237. Sureties, F. Nelson and Daniel Geary. Limit, 45 days. Forfeit, none. Plans and specifications filed.

FRAME STORES

(2562) W PARK 50-2 from N line San Jose Ave N 50-2 W 108-11 S 50 E 104-6, Alameda. All work for one-story frame stores, storerooms (2 each). Owner.....David and Leon Garfinkle, 1211 Park, Alameda. Architect...A. W. Pattinani, Merchants National Bank Bldg., S. F. Contractor..Conrad Roth, 2117 Pacific Ave., Alameda. Filed Oct. 20, '16. Dated Oct. 3, '16. Frame up 1/4 Brown coated 1/4 Completed 1/4 Usual 35 days..... 1/4 TOTAL COST, \$2900 Bond, none. Limit, 40 days. Forfeit, \$1. Plans and specifications filed.

BRICK LAUNDRY

(2563) FORTIETH AND BROADWAY, Oakland. Two-story brick laundry. Owner.....King's Daughters' Home, Premises. Architect...Julia Morgan, Merchants' Exchange Bldg., S. F. Contractor..D. B. Farquharson, 1760 Ellis, San Francisco. COST, \$1000

CLASS "C" APARTMENTS

(2564) NE BROADWAY AND GRAND Ave., Oakland. Five-story Class "C" apartments and stores. Owner.....Ed. Sommarstrom and J. Hinkel, 24th and Telegraph Ave., Oakland.

Architect...Richardson & Burrell, Albany Block, Oakland. Contractor..Sommarstrom Bros., 24th & Telegraph Ave., Oakland. COST, \$140,000

DWELLING

(2565) E THIRTY-FIFTH AVE 20 S E-17th, Oakland. One-story 5-room dwelling. Owner.....Mary Greiner, Panama, Iowa. Architect...None. Contractor..Ed. Basset, 3239 E-14th, Oakland. COST, \$2050

GARAGE

(2566) NW NINETIETH AVE AND Olive, Oakland. Garage. Owner.....G. L. Peabody, 2005 90th Ave., Oakland. Architect...None. Day's work. COST, \$100

DWELLING

(2567) E SHEFFIELD 186 S Hopkins, Oakland. One-story 5-room dwlg. Owner.....F. J. Sprickmeyer, 3937 Margee Ave., Oakland. Architect...None. Contractor..A. T. Anderson, 3625 Brookdale Ave., Oakland. COST, \$1700

FRAME DWELLING, ETC.

(2571) LOT 3 BLK "F" SHEET NO. 1, Lakewood Park, Oakland. All work for two-story 6-room frame dwelling and garage. Owner.....Mae T. Joy, 206 23rd, Okd. Architect...None. Contractor..F. N. Strang, 805 Pacific Ave., Alameda. Filed Oct. 31, '16. Dated Oct. 21, '16. As per separate agreement..... TOTAL COST, \$4375 Bond, none. Limit, 90 days from Nov. 1. Forfeit, none. Plans and specifications filed.

ELECTRIC SIGN

(2572) NO. 418 "B," Oakland. Electric sign. Owner.....Pat. Kisch, Premises. Architect...None. Contractor..Prism Elec. Sign Co., 1915 Broadway, Oakland. COST, \$400

OFFICE

(2573) W DOVER 125 E 52nd, Oakland. One-story 3-room office. Owner.....Baby Hospital, 51st and Dover, Oakland. Architect...None. Contractor..B. Sheell, 1531 Dover, Okd. COST, \$400

FRAME STORE

(2577) NEAR NE COR. PENNIMAN and 38th Ave., Oakland. All work for one-story frame store. Owner.....L. Waters, 3004 38th Ave., Oakland. Architect...None. Contractor..G. A. Jenks, Berkeley. Filed Nov. 1, '16. Dated Oct. 31, '16. Completed ...\$500 and bill of sale to Maxwell car..... TOTAL COST, \$500 Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(2579) W JEROME 144 N Oakland Ave., Piedmont. One-story frame dwelling.

Owner.....C. B. Colt, 306 14th, Okd.
Designer...R. C. Pellaton, 306 14th,
Oakland.
Day's work. COST, \$2500

DWELLINGS

(2580) E CHESTNUT 111 N 14th
(Court), Oakland. Four one-story 5
room dwellings.
Owner.....F. J. Horswill, 1094 16th,
Oakland.
Architect...None.
Contractor..Anderson & Horswill, 1094
16th, Oakland.
COST, \$1000

DWELLING

(2581) W SHATTUCK AVE 100 N
56th, Oakland. One-story 5-room
dwelling.
Owner.....C. J. Pfrang, 5487 Clare-
mont Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(2582) S FORTY-FOURTH 140 E
Webster, Oakland. One-story 5-room
dwelling.
Owner.....Morgenson Bros., 559 63rd,
Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(2583) NW NINETY-SECOND AVE &
Plymouth, Oakland. One-story 5-
room dwelling.
Owner.....Mrs. Emma Hoffman, 1711
32nd Ave., Oakland.
Architect...None.
Contractor..Northrup & Kundrus, 1824
90th Ave., and 2200 90th
Ave., Oakland.
COST, \$1530

DWELLING

(2584) N ARKANSAS 200 E Peralta
Ave., Oakland. One-story 5-room
dwelling.
Owner.....Andrew Anderson, 1096
48th, Oakland.
Architect...None.
Day's work. COST, \$1600

ALTERATIONS

(2585) SE VAN BUREN AND LEE,
Oakland. Alterations.
Owner.....S. J. Eva, Premises.
Architect...None.
Contractor..H. C. Cameron, 3619 Dover,
Oakland.
COST, \$1000

STORES

(2586) NE THIRTY-EIGHTH AVE &
Penniman, Oakland. One-story stores
Owner.....L. Waters, Premises.
Architect...None.
Contractor..G. A. Jenks, 2027 Hearst
Ave., Berkeley.
COST, \$950

DWELLING

(2587) N VICENTE 350 S 53th, Oak-
land. One-story 6-room dwelling.
Owner.....J. E. Devereaux, 5754 Tele-
graph Ave., Oakland.
Architect...M. I. Diggs, Syndicate
Bldg., Oakland.
Day's work. COST, \$2000

SIDE WALK LIGHTS

(2588) SW TENTH AND ALICE, Oak-
land. Side walk light.
Owner.....W. P. Fuller & Co., Prem.
Architect...None.

Contractor..John McGuigan & Co., 142
Stillman, San Francisco.
COST, \$350

DWELLING

(2589) W EVELYN 200 N Cordina
Creek, Albany. One-story 5-room
dwelling.
Owner.....David Stromberg, 1411
West, Oakland.
Architect...None.
Day's work. COST, \$1400

ALTERATIONS

(2591) NO. 1839 JACKSON, Oakland.
Alterations.
Owner.....Miss Florence Brown, 1839
Jackson, Oakland.
Architect...None.
Contractor..Oliver Duval & Son, Dal-
ziel Bldg., Oakland.
COST, \$500

HEATER

(2592) E GROVE, bet. 7th and 8th,
Oakland. Cole heater.
Owner.....Roman Catholic Arch-
bishop, Premises.
Architect...None.
Contractor..Craig & Davis, 1756 Broad-
way, Oakland.
COST, \$400

SCHOOLS

(2593) NE COLLEGE AND SHAFTER
Ave., Oakland. Two one-story 1-room
schools.
Owner.....City of Oakland.
Architect...None.
Contractor..John F. Faulkes, 9828 E-
14th, Oakland.
COST, \$1300

SCHOOL

(2594) FIFTY-FOURTH & MARKET,
Oakland. One-story 1-room school.
Owner.....City of Oakland.
Architect...None.
Contractor..John F. Faulkes, 9828 E-
14th, Oakland.
COST, \$650

SCHOOL

(2595) THIRTY-NINTH AVE AND
Carrington, Oakland. One-story 1-
room school.
Owner.....City of Oakland.
Architect...None.
Contractor..John F. Faulkes, 9828 E-
14th, Oakland.
COST, \$650

STORES

(2596) SE TWENTY-SIXTH AVE AND
E-27th, Oakland. One-story stores.
Owner.....C. Lepori, 2516 25th Ave.,
Oakland.
Architect...None.
Contractor..P. J. Grosse, 2070 Cham-
pion, Oakland.
COST, \$1600

SHEDS

(2597) S SECOND 80 E Washington,
Oakland. Two sheds.
Owner.....Pacific Gas & Electric Co.,
13th and Clay, Oakland.
Architect...None.
Day's work. COST, \$800

DWELLING

(2598) E DOLORES 160 N El Centro,
Oakland. One and one-half-story 6-
room dwelling.
Owner.....Paul E. Woodburn, 3965
Greenwood Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

FRAME DWELLING

(2600) LOCATION NOT GIVEN, Ir-
vington. All work for one-story
frame dwelling.
Owner.....Mervy Graybill, Irvington.
Architect...None.
Contractor..E. C. Griffin Sons (R. A.
and L. R. Griffin), Hayward
Filed Nov. 3, '16. Dated Nov. 1, '16.
Payments not given.

TOTAL COST, \$—
Bond, none. Limit, 60 days from Nov.
1. Forfeit, none. Plans and speci-
fications filed.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Am't.
2568	Sykes	Krone	400
2569	Schmidt	Schmidt	25600
2570	Baptiste	Werner	1600
2574	Williamson	Bradshaw	45000
2578	Gore	Warren	5475
2590	Thaxter	Thaxter	2000
2599	Ala Co Home Bldrs.	Wiley	2300

ALTERATIONS

(2568) NO. 2021 DERBY, Berkeley.
Alterations.
Owner.....Joshua W. Sykes, 1816
Stuart, Berkeley.
Architect...None.
Contractor..Alpha Krone, 2021 Derby,
Berkeley.
COST, \$100

APARTMENTS

(2569) NW DURANT & ELLSWORTH,
Berkeley. Three-story 60-room
apartments.
Owner.....E. A. Schmidt, 71 10th, Okd.
Architect...None.
Day's work. COST, \$25,000

DWELLING

(2570) W TENTH 35 N Dwight Way,
Berkeley. One-story 5-room dwlg.
Owner.....Mary Baptiste, 2436 9th,
Berkeley.
Architect...None.
Contractor..Chas. A. Werner, 2416 10th,
Berkeley.
COST, \$1600

CLASS "C" THEATRE, ETC.

(2574) S UNIVERSITY AVE NO. 2022,
Berkeley. Two-story and 1-story
Class "C" theatre, store and lodge
building.
Owner.....L. Williamson & H. Brad-
shaw.
Architect...James W. Flacheck, Ache-
son Bldg., Berkeley.
Day's work. COST, \$45,000

BRICK STORES, ETC.

(2578) LOT 14 BLK "A" Blake Tract
No. 1, Berkeley. All work for one-
story brick stores and offices.
Owner.....Mrs. Lizzie Gore, Berkeley
Architect...Robert L. Holt, 2011 Shat-
tuck Ave., Berkeley.
Contractor..C. H. Warren, 2200 Atherton,
Berkeley.
Filed Oct. 30, '16. Dated Oct. 27, '16.
Brick walls up to ceiling joists. 1/4
Brown coated

Completed and accepted

Usual 55 days

TOTAL COST, \$5175
Bond, \$2739. Sureties, H. J. Quinn and
W. H. Jones. Limit, 60 days. Forfeit,
none. Plans and specifications filed.

DWELLING

(2590) W BATEMAN 90 N Prince, Ber-
keley. One-story 5-room dwelling.

Owner....Georgia F. Thaxter, 3024
Regent, Berkeley.
Architect....None.
Contractor....W. Thaxter, 3024 Reg-
ent, Berkeley.
COST, \$2000

ADDITION

(2599) HEAD PIEDMONT AVE., Ber-
keley. Add 1 story to frame frater-
nity house.
Owner....Alameda County Home
Builders.
Architect....W. H. Ratcliff Jr., 1st Na-
tional Bank Bldg., Bkly.
Contractor....J. M. Wiley, 1718 Hearst
Ave., Berkeley.
COST, \$2300

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2575	Dickson	Hrubanik	500
2576	Phelps	Richards	500

ADDITION

(2575) NO. 2159 SAN JOSE AVE., Ala-
meda. Addition.
Owner....Mary Dickson, Premises.
Architect....None.
Contractor....M. Hrubanik, 2100 Santa
Clara Ave., Alameda.
COST, \$500

ALTERATIONS

(2576) NOS. 1215-17 LINCOLN AVE.,
Alameda. Alterations.
Owner....F. E. Phelps, Berkeley.
Architect....None.
Contractor....L. Richards, 1614 Bay, Ala-
meda.
COST, \$500

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED **ACCEPTED**
Oct. 21, 1916—NW HIGH 119.97 SW
Santa Rita SW 50 NW 103 NE 80.02
SE 101, Okd. Annie D Morris to
A R Morris.....Oct. 17, 1916
Oct. 21, 1916—S LINE OAKLAND
Homestead Tract and W In Broad-
way S 251 N 243 E 62-6, Okd. Alice
Arinstein to P A Palmer.....Oct. 14, 1916
Oct. 23, 1916—W 40 LOT 28, Vernon
Tract, Okd. A Hunse to R B Con-
dyser and L Watson.....Oct. 21, 1916
Oct. 23, 1916—W HIGHLAND AVE
260 N Vista Ave N 45xW 130, Pied-
mont. Walter H Creighton to
whom it may concern.....Completed —
Oct. 25, 1916—LOT 20 Map Brookside
Manor, Okd. Joseph S Reef and
Frank W Bilger to whom it may
concern.....Oct. 1, 1916
Oct. 25, 1916—NE HAMPEL 120 NW
13th Ave or Park Blvd NE 35x120,
Okd. Ida Fabing to Fred N Fabing
.....Oct. 24, 1916
Oct. 25, 1916—CENTER LN COUNTY
Road 520 1343.60 NE: NE In County
Road 2045 NE 4269.40 NW 1888 SW
4499 SE 2505.50 SE 1328.10 NE
1679.70, Washington Tp. Clara H
Layson and Henry H Patterson to
Thayer D Hall.....Oct. 20, 1916
Oct. 25, 1916—E LAGUNA AVE 35 N
Montana N 35xE 102, Okd. I Ariel
Kellogg to whom it may concern.....
.....Oct. 24, 1916
Oct. 25, 1916—LOTS 44, 43, 42 and N
13½ Lot 41, Peralta Tract, Okd.
L W Andersen to whom it may

concern.....Oct. 25, 1916
Oct. 25, 1916—PTN LOTS 8 AND 9
Blk 17, being N ¾ Plots 84 and 85
Kellersberger's Map V & D, Per-
alta Rancho being W Bonita about
30 N Rose, Bkly. Caroline Wolbold
to Jacob Kollmer.....Oct. 23, 1916
Oct. 26, 1916—LOT 13 BLK D Water-
side Terrace Tract, Ala. Mark T
Cole to whom it may concern.....
.....Oct. 25, 1916
Oct. 26, 1916—W DEAKIN 45 N
Woolsey, being Lot 2 Hawley Tract,
Bkly. Clella A Paroni to S Rich-
mond.....Oct. 23, 1916
Oct. 27, 1916—SE BROADWAY 120
SW Central Ave SW 60xSE 140,
Ala. Laura Hrubanik to whom it
may concern.....Oct. 27, 1916
Oct. 27, 1916—SW PORTLAND AND
Colusa, Oakland Tp. O Bernhus
and J Kringlen to whom it may
concern.....Oct. 20, 1916
Oct. 27, 1916—LOT 17 BLK 1 Dwight
Way Terrace, Bkly. M E Taylor
to J G Taylor.....Oct. 25, 1916
Oct. 27, 1916—E PERALTA AVE, be-
ing No. 4004, Okd. C L Mackl to
M C Vaughn.....Oct. 26, 1916
Oct. 28, 1916—W SHATTUCK AVE
418.1 N 65th N 35 SW 107 SE 35 NE
106, Okd. Margaret Kelly to whom
it may concern.....Oct. 28, 1916
Oct. 28, 1916—N END KILN BLDG.
(for owner) N 102x86, Bkly. Pacific
Guano & Fertilizer Co to Jepsen
Bros.....Oct. 25, 1916
Oct. 30, 1916—SE SIXTH AND UNI-
versity Ave 100x100, Bkly. The
Berkeley Dispensary, Inc to H P
Nelson.....Oct. 26, 1916
Oct. 31, 1916—N JOSEPH AVE 156
W Peralta Park W 39xN 100, Bkly.
E A Janssen to whom it may con-
cern.....Oct. 25, 1916
Nov. 1, 1916—S BANCROFT WAY
450 E Dana, Bkly. N R Davidson
to C H Warren.....Oct. 27, 1916
Nov. 2, 1916—LOT 18 BLK 4, Hopkins
Terrace No. 4, Bkly. L H Dushak
to Riddell Bldg Service Corp.....
.....Nov. 1, 1916
Nov. 3, 1916—W POMONA AVE 200
and 240 N Main, being Lots 191,
193, 193 and 195 Terminal Junction
Tract, Albany. Madge H Jones to
whom it may concern.....Oct. 26, 1916
Nov. 3, 1916—LOT 15 BLK "C" Map
Oakland Highlands, Okd. Emma
Coburn to whom it may concern.....
.....Completed —
Nov. 3, 1916—LOT 20 AND E 2 Lot
19 Blk "A" Map Waterside Terrace,
Alameda. Mark T Cole to whom it
may concern.....Nov. 2, 1916

LIENS FILED

ALAMEDA COUNTY.

Oct. 18, 1916—LOT 17 Nova Piedmont
Tract, Piedmont. M Stulsaft Co vs
C E Wheeland and J A McKeever.....
.....\$70
Oct. 18, 1916—LOT 17 BLK "F" North-
brae Terrace, Bkly. F W Foss Co.
vs Velma C and Clarence E Condon
and C Fleischer.....\$108.63
Oct. 19, 1916—PTN LOT 8 Map Sub-
division Kellersberger Plot 72, Okd.
W S Hurst vs Lloyd E Rabjohn
and C M Charrman.....\$45
Oct. 20, 1916—LOT 18 BLK "M" North-
brae Terrace, Bkly. Tilden Lumber
Co vs S B Batsford and J S Han-
son.....\$51.84
Oct. 20, 1916—LOT 7 BLK "U" Map

Oakland Heights, being No. 437
Elwood Ave, Okd. Inland Floor Co
vs Charles F Fallmer.....\$71
Oct. 21, 1916—(1) PTN AUGHIN-
baugh 223.374 Acre Tract; (2) Lots
22, 25, 26, 27 and Ptn Lots 23 and
24 Sec 11 and Lot 6 Sec 14 Tp 2 S
Range 4 W M D Sale Map No. 10,
Salt Marsh & Tide Lands, Alameda,
W W Montague & Co vs J O Davis
& Surf Beach Amusement Co \$650.58
Oct. 21, 1916—SE TWELFTH AVE 75
SW E-15th SW 50xSE 110, Okd.
Kimball Elec Co vs G H Merithew,
Estate Hattie D Merithew, James
E and May J Reiter.....\$135.93
Oct. 21, 1916—LOT 20 Brookside
Manor, Okd. Spott Bros vs Ed
Collins, Joseph S Reef and Frank
W Bilger.....\$43.75
Oct. 21, 1916—LOT 17 on Jerome Ave
Nova Piedmont Tract, Piedmont. A
F Virgil vs C E Wheeland.....\$82.40
Oct. 21, 1916—LOT 17 Sheet No. 2
Nova Piedmont, Piedmont. Panama
Lumber & Mill Co vs C E Wheeland
.....\$48.93
Oct. 21, 1916—LOT 17 Map Nova Pied-
mont, Piedmont. John P Maxwell
(Maxwell Hardware Co) vs Charles
E Wheeland and W Perkins.....\$147.38
Oct. 21, 1916—PTN LOT 8 Map Sbdvn
of Kellersberger's Plot No. 72,
Okd. R B Stuart vs Lloyd E Rab-
john.....\$66.275
Oct. 23, 1916—(1) PTN AUGHIN-
baugh 223.374 Acre Tract. Burn-
ham-Standeford Co vs H A Christo-
pher, Sanford Gordon, Surf Beach
Amusement Co C L Williams and
E W McConnell.....\$251.40
wood and George A Lloyd (Hey-
wood Lumber & Supply Co) vs L
E and Lois Rabjohn and C M
Charuan.....\$233.10
Oct. 23, 1916—LOT 17 Map Nova
Piedmont, Piedmont. W J Cahill
vs Charles E Wheeland.....\$162.50
Oct. 23, 1916—LOT 17 Sheet No. 2,
Nova Piedmont, Piedmont. John A
McKeever vs Charles E Wheeland
.....\$143
Oct. 24, 1916—PTN LOT 8 Sbdvn
Kellersberger's Plot No. 72, Oak-
land Tp, Oakland. Charles D Hey-
wood, Oct. 24, 1916—PTN LOT 8 Sbdvn
Kellersberger's Plot 72, Oakland
Tp, Oakland. Charles D Heywood
and George A Lloyd (Heywood
Lumber & Supply Co) vs Maurice
G and Bertha D Logan and C M
Charuan.....\$197.05
Oct. 25, 1916—PIECE OF LAND
bounded on N by Armstrong; E by
Staeb and L; S by East; W by First
being Blk 2, Armstrong Tract, Hay-
ward. Nils Quist vs Frank Caten,
John Doe and Frank Vargas.....\$88.32
Oct. 26, 1916—LOT 4 AND NE 11 LOT
3 Blk "B" Map Everett Tract, Okd.
George H Tay Co vs L L Woodard
and L V Gelder.....\$83.22
Oct. 28, 1916—NE TWENTY-FOURTH
and Valdez E 181 N 140 fm pt beg
W 70 N 40 E 61 S 40, Okd. German-
stone Mfg Co vs Laura and Orrin E
Allen.....\$12.50
Oct. 28, 1916—NW LOT 10 Map W. G.
Henshaw's Sbdvn Lots at 24th and
Bay Place N 13.66 W 8 N 28.91 NW
143.82 S 37.2 th at L 162½, Okd.
Germanstone Mfg Co vs Laura and
Orrin E Allen.....\$108
Oct. 28, 1916—PTN LOT 1 Map Duffy
Tract, Okd. Germanstone Mfg Co
vs Laura and Orrin E Allen.....\$12.50

Oct. 28, 1916—LOT 40 BLK 1, Berkeley Heights, Bkly. W H Picard vs H F Kern.....\$53.30
Oct. 30, 1916—LINE DIVIDING LOTS 8 and 9 10.38 NW center line Bench Road NW 276.73 NW 18.76 fm pt beg NE 122.54 NW 70 SW 109.43 SE 23.05, Okd. George H Tay Co vs A Severy and Lloyd E Rabjohn...\$72.29
Oct. 31, 1916—PTN LOT 8 Map Kellersbergers Sbdvn Plot 72 of City of Oakland. Geo Robinson, \$16
Nov. 1, 1916—S 50 LOT 21 BLK "D" Map Broadway Terrace, Okd. R H Chamberlain vs Walter H Creighton\$35.65
A W Chappell, \$18; W E Drake, \$72; W P Fuller & Co, \$23.81 vs Lloyd E Rabjohn, C M Charruau and W E Drake.....\$35.65
Nov. 2, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Alameda. Wm Makin vs Surf Beach Amusement Co and Surf Beach Park Co, H A Christofel and S Gordon.....\$153
Nov. 3, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Alameda. K C Shurick vs E W McConnell, C L Williams, Surf Beach Amusement Co, H Christofel and Sanford Gordon\$154.60

SAN JOSE AND THE SANTA CLARA VALLEY

STREET IMPROVEMENT—Cost as follows. Daly City, San Mateo Co., Cal. Engineer, City Engineer, Daly City. Owners, Daly City. Bids received by the City Trustees for street improvements in the Vista Grande No. 2 District have been rejected. The bids received were as follows: Peterson & Grier, S. F., \$15,655.05; Ransome-Crummey Co., S. F., \$11,013.02; Tibbitts Pacific Co., S. F., \$15,533.64. New bids were ordered received. Plans and further information may be had from the City Clerk.

RESIDENCE—1 story and base, frame, \$5,000. Burlingame, San Mateo Co., Cal. Architect, E. L. Norberg, Bank Bldg., Burlingame. Owner's name not given. Location, Glenwood Park. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

RESIDENCE—1 story and base, frame, \$4,800. Burlingame, San Mateo Co., Cal. Architect, E. L. Norberg, Bank Bldg., Burlingame. Owner's name withheld. Location, Cypress avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work being done by Day Labor.

SCHOOL—1 story, frame and plaster, \$15,000. San Carlos, San Mateo Co., Cal. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, San Carlos School District. The architect has been officially commissioned to prepare these plans. Working drawings are being made and bids will probably be called for next week.

COLLEGE BUILDINGS—4, 1 story, concrete. Cost not stated. Palo Alto, Santa Clara Co., Cal. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Trustees of Leland Stanford, Jr., University. Location, University Campus. Will contain living rooms and office. Plans being prepared.

LIBRARY—2 story and base, Class A construction, \$500,000. Palo Alto, Santa Clara Co., Cal. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, Trustees of Leland Stanford, Jr., University. Location, University

Campus. Preliminary plans only have been prepared and further mention will be made of this work. Construction will probably be handled under the direction of the P. J. Walker Co., Menadnock Bldg.

Contracts Awarded.

STREET IMPROVEMENT—\$135,858.50. Daly City, San Mateo Co., Cal. Engineer, City Engineer, Daly City. Owners, Daly City. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price, \$135,858.50. Other bidders were Peterson & Grier at \$147,122.30, and Tibbitts-Pacific Construction Co., \$144,832.17.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME DWELLING
LOS ALTOS. All work for two-story frame dwelling.
Owner.....E. Alexander.
Architect.....The Ballard Plannery.
Contractor.....Joseph Cardoza.
Filed Oct. 30, '16. Dated Oct. 17, '16.
Frame up\$614.25
1st coat plaster on 614.25
Job accepted 614.25
Usual 35 days..... 614.25
TOTAL COST, \$2485.00
Bond, none. Limit, 90 days from filing.
Forfeit, plans and specifications, none.

DORMITORY BUILDING
STANFORD CAMPUS, Palo Alto. Tile and marble work for five-story and basement dormitory building.
Owner.....Stanford University, Palo Alto, Cal.
Architect...Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor.....Robt. Howden & Sons, 1115 Webster St., Oakland.
Filed Oct. 28, '16. Dated Oct. 27, '16.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$2005
Bond, \$1002.50. Surety, American Surety Co. Limit, 14 days after Oct. 30. Forfeit, none. Plans and specifications filed

CONVENT
LINCOLN AND BENTON STS., Santa Clara. All work for two-story brick and frame structure for Carmelite convent.
Owner.....Noel Sullivan, 2171 Sacramento, San Francisco.
Architect...Maginnis & Walsh.
Contractor.....Larsen-Sampson Co., Crocker Bldg., S. F.
Filed Nov. 2, '16. Dated Nov. 1, '16.
Concrete foundations in.....\$12,000
Brick walls ½ in..... 15,000
Rough carpentry done..... 11,000
Brown coat plaster on..... 10,000
Plastering and cementing done 7,025
Job accepted 25,675
Usual 35 days..... 25,675
TOTAL COST, \$102,700
Bond, \$51,350. Surety, Guardian Casualty & Guaranty Co. Limit, 150 days after Nov. 1. Forfeit, \$10 per day. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED
Oct. 30, 1916—STANFORD CAMPUS,
Palo Alto. Stanford University to
McFell Elce Co.....Oct. 20, 1916
Oct. 30, 1916—STANFORD CAMPUS,

Palo Alto. Stanford University to
J S Sampson and T L Larsen.....
Oct. 20, 1916
Oct. 30, 1916—STANFORD CAMPUS,
Palo Alto. Stanford University to
The Turner Co.....Oct. 20, 1916

LIENS FILED

SANTA CLARA COUNTY.

RECORDED AMOUNT
Oct. 26, 1916—LOT 6 BLK 1, Roberts
Elm Tree Sbdvn. San Jose Lumber
Co vs Carrie M Roberts....\$539.05

BUILDING CONTRACTS

SAN MATEO COUNTY.

COTTAGE
LOT 46 STANFORD PARK ANNEX,
near Menlo Park. All work for one-story 4-room cottage, shingled walls and roof, plaster interior.
Owner.....John Lencioni, Menlo Park.
Architect...None.
Contractor.....George G. Bertsche, 221 Kipling St., Palo Alto.
Filed Nov. 3, '16. Dated Oct. 12, '16.
Already paid\$145.00
Ready for plaster..... 383.50
When plastered 383.50
Completed and accepted..... 383.50
Usual 35 days..... 383.50
TOTAL COST, \$1679.00
Bond, \$1000. Sureties, Joseph A. Jury and Wm. Cobb. Limit, 40 days. Forfeit none. Plans and specifications filed.

FRAME DWELLING
LOTS 19 AND 20 BLK 57, Easton Addition to Burlingame No. 6, Burlingame. All work for two-story frame dwlg.
Owner.....Madeleine Le Brun de Surville, 1650 Broadway, S. F.
Architect...None.
Contractor.....John A. Wieland.
Filed Oct. 30, '16. Dated Oct. 27, '16.
Framed, plumbing roughed in and all sheathing done.....\$1850
Usual 35 days..... 1850
TOTAL COST, \$3700
Bond, \$5000. Surety, California Casualty Co. of California. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
OAK GROVE AVE, bet. San Mateo Drive and Ameal St., Burlingame. All work for one-story frame and plaster residence.
Owner.....J. S. and S. M. Steinaecker.
Architect.....Higbie & Hill, 575 Emory St., San Jose.
Contractor.....P. E. Peterson.
Filed Oct. 30, '16. Dated Oct. 25, '16.
When framed\$722.75
Brown plastered 722.75
When completed 722.75
Usual 35 days..... 722.75
TOTAL COST, \$2891.50
Bond, \$1445.75. Sureties, Geo. W. Dobson and N. O. Berg. Limit, 80 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED
Oct. 27, 1916—LOT 7 BLK 4 Sbdvn No. 2, Burlingame Park, Burlingame.
Everett T Goodell to W B Eaton...
.....Oct. 20, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES

SUBWAY WALKS, ETC.—Cost as follows. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans for three proposed pedestrian walks through the Macdonald avenue subway at Sixteenth street have been submitted to the Council by the City Engineer. The cost of installing any one of the three walks and widening and paving the subway will be \$10,000. The plans call for either a walk to the north of the subway or one to the south of it. The grade of the walks will be approximately 10 per cent. At the suggestion of the Council the Engineer was instructed to place the plans before the Railroad Commission and the railroad officials relative to certain reinforcements which will have to be placed under the railroad tracks.

BRIDGES—Reinforced concrete, \$12,500. San Anselmo, Marin Co., Cal. Engineer, City Engineer, San Anselmo. Owners, City of San Anselmo. The following bids were received by the City Trustees for the construction of the Lansdale bridge: C. B. Cowden (bridge complete according to plans), \$13,470. For extra excavation if more were necessary than specified in the prepared plans, \$8 per cubic yard. Macrae & Layaz, for the job \$13,225 with \$5 per cubic yard for extra excavation if necessary. J. D. Hannah, \$14,495 for the job complete. W. C. Duncan & Co., \$14,563 for the job and \$5 per cubic yard for extra excavation. L. A. Hinson, \$12,973 for the job and \$3.50 per cubic yard for extra excavation. All bids were rejected as being too high.

SCHOOL—1 story, frame and concrete, \$4,000. Napa, Napa Co., Cal. Architect, L. M. Turtton, Napa. Owners, Cameros School District. Will contain one room. Concrete walls. Exterior covered with cement plaster. Plans being prepared.

FLOUR MILLS—Steel and concrete, \$300,000. Vallejo, Solano Co., Cal. Engineer, Maurice Couchot, 110 Sutter street, S. F. Owners, Sperry Flour Co. Work will consist of a new mill building and a warehouse. Further mention will be made of this work as the plans progress.

Contracts Awarded

STREET IMPROVEMENT — \$806.26. Napa, Napa Co., Cal. Engineer, City Engineer, Napa. Owners, City of Napa. Contractor, George E. Errington, East Third street, Napa. Contract price, \$806.26.

BUILDING CONTRACTS

MARIN COUNTY.

FRAME LODGE BUILDING
SAN RAFAEL. All work including carpenter work, etc., for two-story frame Elks' Lodge Building.
Owner.....Elks' Lodge, San Rafael.
Architect...Geo. W. Kelham and C. W. Drysdale, Sharon Bldg., San Francisco.
Contractor..Sylvester Saywell San Rafael.

Filed Nov. 1, '16. Dated Oct. 19, '16.
As work progresses..... 75%
Usual 35 days.....Balance
TOTAL COST, \$15,610
Bond, \$7,820. Surety, New Amsterdam Casualty Co. Limit, none. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME HOTEL
PITTSBURG, CAL. All work for three story frame hotel.
Owner.....C. A. Hooper Lumber Co., Balboa Bldg., S. F.
Architect...Wm. Knowles, Hearst Bldg., San Francisco.
Day's work. COST, \$---

FRAME COTTAGE
LARKIN ST., bet. California and Sacramento Sts., Richmond. One-story frame cottage.
Owner.....J. F. Rose, San Pablo.
Architect...None.
Contractor..Chris Lehman.
COST, \$1120

BUILDING CONTRACTS

SONOMA COUNTY.

BRICK RESIDENCE
GLEN ELLEN, Sonoma County. One-story brick and concrete residence.
Owner.....Natale Forni, 105 7th St., Santa Rosa.
Architect...Owner.
Day's work. COST, \$3000

FRAME RESIDENCE
D ST., Petaluma. One-story and basement frame residence.
Owner.....Mrs. N. Gould, Petaluma.
Architect...None.
Contractor..W. R. Haskins, Petaluma.
COST, \$3000

NOTE:—Work has been started.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Oct. 27, 1916—TIBURON. E A Creighton as completed under supervision of owner, as original contractor ceased to work.....Sept. 12, 1916
RECORDED ACCEPTED
Oct. 31, 1916—SAN ANSELMO. P Buckley & J McNaboe to P Hamilton.....Oct. 28, 1916
Nov. 1, 1916—SAN GERONIMO. Chas Cleveland to A T Spence.....Oct. 4, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

GYMNASIUM—1 story and base, concrete. Cost not stated. Hanford, Kings Co., Cal. Architects, Glass & Butler, Rowell Bldg., Fresno. Owners, Hanford Union High School District. Will contain two large gymnasiums. Plans complete and figures being taken with seven alternatives.

BANK ALTERATIONS—Class A construction. Cost not stated. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Cory Bldg., Fresno. Owners, First National Bank. Location, 1 and Mariposa streets. Work will consist of interior and exterior alterations. Plans complete and figures to be called for shortly.

GARAGE—1 story and base, brick. Cost not stated. Taft, Kern Co., Cal. Architect, J. M. Saffell, New Flash Bldg., Bakersfield. Owner, George Haberfelde, representing the Ford Co. Location, Center and Sixth streets, covering an area of 75 by 125 feet. Plans being prepared.

Contracts Awarded

BRIDGE—Reinforced concrete, \$3,117.30. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. Contractor, Grover U. Cole, Hanford. Contract price, \$3,117.30.

FACTORY GROUP—5, 1 story, frame and corrugated iron. Erosolay, Kern Co., Cal. Architect, none. Owner's name not given. Contractors, The John Simpson Co., Baker-Dewler Bldg., L. A. Contract price, \$50,800.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING
LOTS 1 TO 4 BLK 3 Sunset Addition, Fresno. Dwelling.
Owner.....T. Harold, 1029 N St., Fresno.
Architect...None.
Contractor..Dan Blosser, 217 Abbey St., Fresno.
COST, \$2500

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
Nov. 1, 1916—LOTS 13 AND 14 BLK 24, Alta Vista Tract, Fresno. W T Barr to whom it may concern.....Oct. 18, 1916
Oct. 28, 1916—LOTS 11 AND 12 BLK 39, Fresno. M D Huffman to whom it may concern.....Oct. 16, 1916

LIENS FILED

FRESNO COUNTY.

RECORDED	AMOUNT
Oct. 26, 1916—LOTS 20, 21, 22 BLK 54, East Fresno. M Kellner & Son Lumber Co vs Fred Jones.....	\$503
Oct. 26, 1916—LOTS 20, 21, 22 BLK 54, East Fresno. Mechanics Planning Mill vs Fred Jones, Mutual Bldg & Loan Co and Shepherd-Cochrane Co.....	\$290
Oct. 30, 1916—NE ¼ OF SEC 11, 12-20 except that ptn lying S of canal, Fresno. Hume-Bennett Lumber Co vs R B Hill and R B Hill Co.....	\$194

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGES—Timber construction. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. Bids will be opened on November 15th at 10 a. m. for the construction of four wooden bridges on the Lassen road east of the Stanford sheep camp, in Road District No. 5. Bids must be filed separately on each of said bridges and must be designated as bridge No. 1, bridge No. 2, bridge No. 3, and bridge No. 4.

IRRIGATION PROJECT—\$2,000,000. Susanville, Lassen Co., Cal. Engineers, Wales and Waterman, Woodland. Owners, Honey Lake Irrigation District. W. L. Wales and Herbert Waterman of Woodland are now in Amecede, Lassen County, where Wales has received a contract to build an irrigation system for the Honey Lake Valley Irrigation District in Lassen County. The district embraces 33,000 acres. Wales recently did the preliminary work toward constructing a water system in

the Southern Lassen Irrigation District, embracing 23,000 acres. The systems in the two projects will call for an expenditure of over two millions of dollars. Wales is the engineer. Waterman is resident engineer and will attend to the field work.

POST OFFICE—1 and 2 story, reinforced concrete. Cost not stated. Willows, Glenn Co., Cal. Architects, Bliss and Faville, Balboa Bldg., S. F. Owners, United States Government. Word has been received from Washington, D. C., to the effect that all bids for the construction of the Federal Building at Willows, Glenn Co., Cal., have been rejected as being in excess of the amount awarded. The lowest bid was presented by Welch Bros. & Hannaman and amounted to \$77,997.

STREET PAVING—Cost not stated. Auburn, Placer Co., Cal. Engineer, City Engineer, Auburn. Owners, City of Auburn. The City Trustees of Auburn have passed resolutions providing for the paving of the main business thoroughfares—Placer road, Main, East, Second, High and Railroad streets. A call for bids will be issued shortly.

Contracts Awarded.

ROAD IMPROVEMENT — \$7,000. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractor, George Luhrsens, Bethany. Contract price, \$7,000.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

GARAGE
NO. 1427 K ST., Sacramento. All work for public garage.
Owner.....Chas. M. Campbell.
Architect...None.
Contractor.....Chas. J. Guth, 1516 27th St., Sacramento.
COST, \$10,602

BRICK BUILDING
N E ½ LOT 2, L 4, M, 8th and 9th Sts., Sacramento. All work for one-story brick building.
Owner.....P. A. Gordon, Tr., 1131 O St., Sacramento, Est. William Bell Russell, dec'd.
Architect...None.
Contractor.....George L. Herndon, 914 T St., and Henry Flinnigan, 613 L St., Sacramento.
Filed Oct. 27, '16. Dated Sept. 29, '16.
COST, \$5,600

DWELLING
NO. 2201 C ST., Sacramento. Five-room dwelling.
Owner.....John Payne.
Architect...None.
Contractor.....I. L. Johnson, 1219 Clark St., Sacramento.
COST, \$2100

DWELLING
THIRTY-NINTH AND F STS., on Lot 23 Burlingame Terrace, Sacramento. Five-room dwelling.
Owner.....W. A. Van Zee, 2707 I St., Sacramento.
Architect...None.
Contractor.....C. J. Hopkinson, 1318 25th St., Sacramento.
COST, \$1800

DIRECT TO YOU Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

REMODELING

NO. 1009 I ST., Sacramento. All work for remodeling and repairing apartments.

Owner.....Estate E. J. Tade, 1011-A I St., Sacramento.

Architect...None.

Contractor.....Jas. A. McCullough, 1629 M St., Sacramento.

COST, \$1500

DRIVEWAY

LOT 8 K, L, 11th and 12th Sts., Sacramento. Build driveway to dwlg.

Owner.....Adolph Scheld.

Architect...None.

Day's work.

COST, \$700

FRAME FLATS

NO. 516 E ST., Sacramento. Two-story frame (4) flats.

Owner.....W. D. McKay, 5029 E St., Sacramento.

Architect...None.

Day's work.

COST, \$5500

CLASS "C" LIBRARY

NINTH AND I STS., Sacramento. All work except terra cotta for three-story and basement Class "C" library.

Owner.....City of Sacramento.

Architect...Loring P. Rixford, Sharon Bldg., San Francisco.

Contractor.....Knowles & Mathewson, Call Bldg., San Francisco.

COST, \$75,000

TERRA COTTA WORK ON ABOVE.

Contractor.....Steiger Terra Cotta Co., Mills Bldg., San Francisco.

COST, \$13,550

ELEVATOR

E ½ LOT 5 and E ½ of W ½ Lot 5, I, J, 10th and 11th Sts., Sacramento.

One passenger elevator.

Owner.....Native Sons Hall Ass'n.

Architect...Washington J. Miller, 417 Market, San Francisco.

Contractor.....Spencer Elevator Co., 128 Beale, San Francisco.

Filed Nov. 1, '16. Dated May 3, '16.
COST, \$4295

ELEVATOR

NO. 910 SEVENTH ST., Sacramento. Install automatic electric elevator in tenement house.

Owner.....Florence E. Atkinson and E. Lupper.

Architect...Walter Parker & Co., 12 Geary St., San Francisco.

Contractor.....Otis Elevator Co., Forum Bldg., Sacramento.

COST, \$1500

BUNGALOW

NO. 3225 W ST., Sacramento. Bungalow.

Owner.....S. Schraeth.

Architect...None.

Day's work.

COST, \$600

STEEL AND CAST IRON WORK

NW ELEVENTH AND J STS., on E ½ Lot 5 and E ½ of W ½ Lot 5, I, J 10th and 11th Sts., Sacramento. Labor and material of steel and cast iron work on four-story and basement store and hall building.

Owner.....Native Sons' Hall Association of Sacramento.

Architect...Washington J. Miller, 417 Market St., S. F.

Contractor.....Dyer Bros. Golden West Iron Works, 17th & Kansas Sts., San Francisco

Filed Oct. 30, '16. Dated Oct. 2, '16.

COST, \$107 per 200 lbs. of materials installed in building.

NOTICE OF NON-LIABILITY.

SACRAMENTO COUNTY.

Oct. 30, 1916—N 40 FT OF E ¼ LOT 7 and N 40 feet of W 35 feet of W ½ of Lot 6, K, L, 14th and 15th Sts.,

HARDWOODS — VENEERS

No matter what **kind** of Hardwoods Flooring or Panels you may require, nor what **quantity** of each you may need for **immediate delivery**, you can depend upon **WHITE BROTHERS** to supply you promptly.

We carry the largest stock of **HARDWOODS** and **WYBRO PANELS** in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured **service** and **promptness** coupled with **fair prices** as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

Sacramento. Minnie E Dean, lessees J J Morton and E M Ralls as to improvements on leased property.....

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED
Oct. 30, 1916—N ½ OF W ½ LOT 1
P, Q, 22nd and 23rd Sts., Sacra-
mento. James J McDermott to C
Valine.....Oct. 28, 1916
Nov. 2, 1916—W ½ OF S ½ OF LOT 7
R, S, 27th and 28th Sts., Sacramento.
Otto and Emma Senner to C J
Guth.....Oct. 18, 1916

LIENS FILED

SACRAMENTO COUNTY.

RECORDED AMOUNT
Oct. 30, 1916—W ½ LOT 7 P, Q, 29th
and 30th Sts., Sacramento. P F
Reed vs Vito, Rose and Peter
Calca.....\$1277.10

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

ADDITION
COUNTY HOSPITAL SITE, San Joaquin
Co. All work for addition to County
Hospital to consist of power plant
morgue and chapel.
Owner.....County of San Joaquin.
Architect...Ralph P. Morrell, Odd
Fellows Bldg., Stockton.
Contractor...Frank Tucker, 321 North
Sierra Nevada St., Stockton
COST, \$7879

FRAME FLATS
No. 521 NORTH MONROE ST., Stockton
Two-story and basement frame flats.
Owner.....S. V. Ryland, 303 W-Fremont
St., Stockton.
Architect...None.
Contractor...Plecaro & Bawman,
Stockton.
COST, \$3268

FRAME RESIDENCE.....
LOT 15 BLK 1, Survey 2999, Stockton.
Concrete, excavation, brick work,
lumber, mill work, painting, plumb-
ing, tinning plastering, electric work,
(except finishing hardware, fixtures
and side walks) for one-story frame
residence and garage.
Owner.....Mrs. M. A. Parker.
Architect...W. B. Thomas, Yosemite
Bldg., Stockton.
Contractor...O. H. Chain, 920 W-Vine
St., Stockton.
Filed Oct. 31, '16. Dated Oct. 28, '16.
Frame up.....\$569.75
When plastered.....569.75
When accepted.....569.75
Usual 35 days.....569.75
TOTAL COST, \$2279.00
Bond, \$1140. Sureties, R. E. Wilcox
and T. B. Littleton. Limit, 60 working
days. Forfeit, \$75. Plans and specifica-
tions filed.

LOS ANGELES AND SOUTHERN CALIFORNIA

STREET IMPROVEMENT—Cost not
stated. Santa Paula, Ventura Co. Cal.
Engineer, City Engineer, Santa Paula.
Owners, City of Santa Paula. Bids will
be received by the City Trustees up to
7:30 p. m. of November 17, 1916, for

paving on several streets. The speci-
fications will be Warrenite surface on
concrete base, similar to the work be-
ing done by Fairchild-Gilmore-Wilton
Co., of Los Angeles, under contract
from the county for the central strip
on portions of Telegraph and Main
streets. Edward M. Lynch of Glendale
is City Engineer.

SEWER DISPOSAL PLANT—Cost as
follows. Hermosa Beach, Los Angeles
Co., Cal. Engineer, City Engineer, Her-
mosa Beach. T. J. Shea, 2639 South
Oxford avenue, Los Angeles, was the
lowest bidder at \$33,121 for the con-
struction of a sewage disposal plant at
Hermosa Beach. The other bids were:
S. M. Kerns, \$35,407; Lynn S. Atkinson,
\$37,743.85; and R. H. McCray Co., \$44,-
300.

SEWER CONSTRUCTION—Cost as
follows. Los Angeles, Cal. Engineer,
City Engineer, Los Angeles. Owners,
City of Los Angeles. John Radish, Los
Angeles, was the lowest bidder at
113,500 for the construction of the
Florence avenue main sewer system.
The approximate totals of the other
bids received were as follows: T. J.
Shea, \$127,900; John Balch, \$146,000;
James Kennedy, \$162,000; Leo Militch,
\$181,000.

APARTMENT HOUSE—4 story and
base. Class C construction, \$50,000. Los
Angeles, Cal. Architect, none. Owner,
Frank E. Ruben, Title and Guarantee
Bldg., L. A. Location, Alvarado north
6th. Will contain 88 rooms arranged
in two and three room suites. Plans
complete and work to be done by Day
Labor.

HOSPITAL COTTAGE — 1 story,
frame and concrete, \$36,000. Patton,
San Bernardino Co., Cal. Architect,
State Architect George B. McDougall,
Sacramento. Owners, State of Califor-
nia. The Cresmer Mfg. Co., Riverside,
presented the lowest figure for this
work and will probably be awarded the
contract. A complete list of the bids
received for this work appears under
the heading of Los Angeles and South-
ern California in this issue.

Contracts Awarded.

STREET IMPROVEMENT — \$17,762.-
10. Los Angeles, Cal. Engineer, City
Engineer, Los Angeles. Owners, City of
Los Angeles. Contractors, Gilmore-
Wilton Co., L. A. Contract price, \$17,-
762.10.

STREET IMPROVEMENT—\$32,714.-
79. Chino, San Bernardino Co., Cal.
Engineer, City Engineer, Chino. Own-
ers, City of Chino. Contractors, Califor-
nia-Arizona Construction Co., 1700
East Washington street, L. A. Contract
price, \$32,714.79.

RESIDENCE — 2 story and base,
brick and frame, \$51,000. Los Angeles,
Cal. Architect, A. B. Benton, 111 North
Spring street, L. A. Owner, Dr. E. A.
Bryant. Contractors, Willard-Brent Co.,
Baker-Detwiler Bldg., L. A. Contract
price, \$51,000.

CITY HALL—2 story and base, brick,
\$24,100. Van Nuys, Los Angeles Co.,
Cal. Architect, J. J. Backus, L. A.
Owners, City of Van Nuys. Contractors,
The Wiley Co., Black Bldg., L. A.
Contract price, \$24,100.

RESIDENCE — 2 story and base,
hollow tile. Cost not stated. River-
side, Riverside Co., Cal. Architects,
De Remer & Hewitt, Title Insurance
Bldg., L. A. Owner, Dr. A. B. West.
Contractor, William Goodcell, Balboa.
Contract price not stated.

STREET PAVING—\$25,240. Los An-
geles, Cal. Engineer, City Engineer,
L. A. Owners, City of Los Angeles.
Contractor, George H. Oswald, O. T.
Johnson Bldg., L. A. Contract price,
\$25,240.

PORTLAND AND OREGON

SCHOOL—2 story and base, concrete
and frame, \$30,000. Paisley, Ore. Ar-
chitects, Tourtellotte & Hummel,
Rothchild Bldg., Portland. Owners,
City of Paisley. Will contain seven
rooms, office and assembly hall. Plans
complete and figures being taken.

STORES AND OFFICES—3 story and
base, reinforced concrete. Cost not
stated. Portland, Ore. Architect, John
V. Bennes, Chamber of Commerce
Bldg., Portland. Owners, Hextor and
Strauss. Location, Park and Morrison
streets. Will contain stores on the first
floor and a number of offices on the
two upper floors. Plans complete and
figures being taken.

SEATTLE AND WASHINGTON

STORE AND MARKET—1 story and
base, brick, \$35,000. Seattle, Wash. Ar-
chitect, none. Owners, Frye & Co. Loca-
tion, First avenue and Pike, covering
an area of 110 by 120 feet. Plans com-
plete and work to be done by Day
Labor.

AMERICAN REPRESENTATIVES FOR AMERICAN HOUSES.

BUENOS AIRES, Argentina.—The fact
that during the past year British,
French, Belgian, American, and Ger-
man chambers of commerce have been
organized in Buenos Aires indicates a
tendency on the part of the represen-
tatives of various countries to line up
under their respective merchant flags
in the keen struggle for commerce that
is to take place from now on, and
especially after the termination of the
European war. American exporters and
manufacturers should arrange more
and more for the sale of their products
in this and other foreign markets
through loyal American citizens in-
fluenced and stimulated by considera-
tions of patriotism. This should not be
difficult, in view of the number of
American commission houses already
established in this country, either as
head offices here or as branches of
parent concerns in the United States.
Energetic and Experienced Americans in Field.

There is in Buenos Aires a growing
number of energetic and experienced
Americans who have opened brokerage
and commission offices for import and
export goods in a great variety of lines,
and it would be advisable for our manu-
facturers and exporters to deal with
such agents. It is realized that there
are certain worthy exceptions where
cosmopolitan houses in this city are
doing a splendid trade in American
goods, side by side with similar or dif-
ferent articles imported from other
countries. This is only so because they
are cosmopolitan houses, but even in
such cases the question arises whether
solely American representatives here
would not still be preferable. It is
thought that our manufacturers and ex-
porters can not give too much attention
to this important feature of their for-
eign trade.

FIGURES RECEIVED FOR CONCRETE STACK.

State Department of Engineering Opens
Bids for Work at California School
for Deaf and Blind.

(By Special Wire.)

SACRAMENTO, Cal., Nov. 3rd, 1916.—Five sets of figures were received by the State Department of Engineering for the construction of a concrete stack for the power house at the California School for the Deaf and Blind at Berkeley. Bids were taken under advisement. Following is a complete list of the figures received:

Concrete Stack.

Thomas Englehart, Eureka.....\$2,300
L. G. Bergren & Son, S. F..... 2,972
P. A. Palmer, San Francisco..... 3,100
W. T. Connary & Son, S. F..... 4,390
J. D. Hannah, San Francisco..... 4,750

RECEIVE FIGURES FOR COTTAGE AT PATTON.

Cresler Mfg. Co. Lowest Bidders for
One-story Cottage to be Erected
at Patton.

(By Special Wire.)

SACRAMENTO, Cal., Oct. 30th, 1916.—Eleven sets of figures were opened by the State Department of Engineering for the construction of a one-story frame and concrete hospital cottage, known as Cottage No. 16, to be erected at the State Hospital at Patton, San Bernardino County. Following is a complete list of the bids received:

Hospital Cottage No. 16.

Cresler Mfg. Co.....\$36,536
John Harnish Co..... 35,200
L. G. Bergren & Son..... 38,972
Geo. W. Boxton & Son..... 39,600
Geo. C. Condon..... 39,900
F. O. Engstrom Co..... 39,987
W. E. Kier Constr. Co..... 40,109
John C. Dawson..... 41,470
Alta Planing Mill..... 41,515
Edwards & Wildy Co..... 41,558
The Kling Co..... 43,816

ALAMEDA SUPERVISORS OPEN BIDS FOR HOSPITAL.

Addition to Main Building and Con-
tagious Ward and a Group of Six
Tubercular Buildings.

Bids were opened by the Alameda County Supervisors October 30th for the construction of a group of six one-story frame hospital cottages to be erected at the Alameda County Tubercular Hospital near Livermore, and also for a two-story addition to the main County Hospital building and for a one-story frame contagious ward at the same institution, located on Foothill Boulevard.

Plans for the former were prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco; for the latter by Architect Charles Peter Weeks, Phe-

Livermore Hospital.

Lester H. Stock.....\$108,873
O. Monson..... 103,729
Peter M. Schmid..... 112,000
R. W. Littlefield..... 107,775
W. G. Thornally..... 106,985
Alfred Olson..... 111,500

Infirmary Bids.

Pringle-Dunn Co.....\$21,984
Cederborg & Anderson..... 23,150
M. P. Mortenson..... 21,500
R. W. Littlefield..... 21,000
Anderson & Ringrose..... 20,580
P. P. Kennedy..... 20,532

RECEIVE FIGURES FOR SOUTH CITY SCHOOL.

All Bids For New School at South San
Francisco Taken Under Advisement
For One Week.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—The following figures were received by the Board of Education at the Monday night meeting for the construction of the two-story and hase-mant brick and concrete school, designed by Architect W. H. Weeks, 75 Post street, San Francisco. All bids were taken under advisement.

General Construction.

J. M. Dugan.....\$49,800
Harvey A. Klyce..... 48,261
Grace & Bernieri..... 46,200
Anderson & Ringrose..... 48,340
Masow & Morrison..... 45,887
L. G. Bergren & Son..... 45,672
J. D. Hannah..... 47,676
Howard S. Williams (low)..... 44,800
Caldwell & Son..... 45,885

Plumbing.

Scott Co.....(1) \$4,370 \$140
W. L. Hickey.....(1) 4,250 100

Heating and Ventilating.

W. Morgan & Co.....(1) \$4,775 \$800 \$400
J. C. Hurley Co.....(1) 4,684 875 300
Ideal Heating & Eng(1) 4,672 739 395
Murray Co..... 5,359 795 400
Murray Co.....(1) 5,359 795 400

Electric Work.

Turner Co.....(1) \$2,342 \$342 \$229
F. E. Newberry Elec.
Co.....(1) 2,895 403 336
Butte Eng. & Elec.
Co.....(1) 3,013 592 384
Globe Elec. Wks.....(1) 2,906 413 330

Roofing.

H. W. Johns-Manville Co.....\$710
Mallott & Peterson..... 645
J. M. Bender Roofing & Paving Co. 750
Paraffine Paint Co..... 628

Vacuum Cleaning.

San Francisco Compressed Air &
Cleaning Co.....\$772
Western Vacuum Supply Co..... 830
Hughson & Merten..... 798

Program Clocks.

Standard Elec. Time Co.....\$872
Samuels Co..... 850

MARTINEZ SCHOOL CONTRACT AWARDED BY BOARD.

One and Two-story Brick Veneer School
Will be Built by Philbrick & Colvin
of Lodi.

(By Special Wire.)

MARTINEZ, Contra Costa Co., Cal., Oct. 30th, 1916—Philbrick & Colvin of Lodi were awarded the contract for the one-story brick veneer school, designed by Architects Stone & Wright, Stockton. Their bid for the general construction was \$38,652. A complete list of the bids received follows:

Martinez School.

Grace & Bernieri.....\$43,943
Philbrick & Colvin..... 38,652
R. W. Moller..... 44,750
Newson & Hemmings..... 44,397
Harvey A. Klyce..... 43,634
Carnahan & Mulford..... 43,589
Mathew Morton..... 45,775
L. G. Bergren & Son..... 45,972
C. N. Sanford..... 46,504
Stockholm & Allyn..... 45,577
J. F. Shepherd..... 45,607
M. J. Mortenson..... 46,574
Thurston & Co..... 48,987
J. S. Hannah..... 47,097
Ward & Goodwin..... 46,990
J. O. Kuykendall..... 46,982
Maerme & Layaz..... 49,471

RECEIVE FIGURES FOR UNIVERSITY WORK.

Exterior Cement Finish for Permanent
Chemistry Building Will be Award-
ed to Leonard Bosch.

Seven bids were opened by the Regents of the University of California at their meeting on November 1st for the cement exterior finish for the east wing of the permanent Chemistry Building, designed by Architect John Galen Howard, 604 Mission street. Leonard Bosch presented the low bid at \$7940 and will probably be awarded the work. Following is a complete list of the bids received:

Cement Exterior Finish.

William Makin.....\$12,480
C. C. Morehouse..... 11,528
Greenback Plastering Co..... 12,225
Nix Muriale..... 16,900
James F. Smith..... 10,750
Leonard Bosch..... 7,940
Hermann Bosch..... 11,620

WATER SYSTEM SOLD.

PLACERVILLE (El Dorado Co.)—The great water system purchased several years ago by the Eca, Tevis and San Francisco-Oakland Terminal Power Company as a possible supply for San Francisco, has been sold by the Placerville Gold Mining Company to the Western States Gas and Electric Company for a consideration said to be over \$100,000. It became known upon the return of President Alexander Baring, who concluded the sale. Deeds are now being drawn.

The system includes the waters of Echo, Silver and Andrane Lakes and the South and Silver forks of the American River, and is one of the largest undeveloped systems in California.

OPPOSE GOOD ROADS SYSTEM.

NEWMAN, Cal.—Merchants of Newman have protested against the routing of the proposed good roads system and will campaign against the bond issue that is to be voted upon shortly, unless the plans provide for a north and south highway. The merchants say that the present plans do not give the west side an even break with the east side in the matter of road building.

BEAUTIFUL SAN GABRIEL RANGE.

The San Gabriel Range, one of the most conspicuous and beautiful ranges of southern California, supplies water for the irrigation of a large part of the foothill valleys. According to the United States Geological Survey, Department of the Interior, the range is a long uplifted fault block—that is, a section of the earth's crust that has been forced up—bordered on the north and south by downthrown areas. On leaving San Bernardino the traveler can view the great mountain amphitheatre, with its numerous ranges and peaks, which lies north of the east end of the San Bernardino Valley. Especially fine views may be had of San Gorgonio (altitude 11,485 feet), the highest peak in southern California; San Jacinto (altitude 10,805 feet), standing like a watch tower at the north end of the great range which extends southward for hundreds of miles to the end of Lower California; and San Antonio (sometimes called Mount Baldy; altitude 10,980 feet). San Antonio Peak is the highest summit of the San Gabriel Range, but not the highest mountain in southern California, as many suppose. All three of these peaks may be embraced in a single view. (Santa Fe Guidebook, Superintendent of Documents, Washington, D. C.)

REMARKABLE DIKES OF THE SPANISH PEAKS.

The Spanish Peaks, Colorado, consists of large masses of igneous rocks which were intruded in molten condition into the sandstones and shales at the foot of the Rocky Mountains, according to the United States Geological Survey, Department of the Interior. The east peak is 12,708 feet high and the west peak 13,623 feet. They were called Wahatoya by the Indians and Los Dos Hermanos (the two brothers) by the Spanish. A remarkable feature of this intrusion is the large number of narrow dikes of igneous rocks, mostly branching from the large masses through cracks in the sedimentary strata and extending out in every direction for many miles from the foot of the peaks. At many places, owing to their hardness, they stand above the surface as narrow walls. The sandstones and shales adjoining the larger igneous masses are baked and otherwise altered by the heat of the intrusion and are considerably upturned. Behind the Spanish Peaks rise the main Rocky Mountains, here called Sangre de Cristo Range (sahng-ray day chisto, Spanish for blood of Christ).

REMOVAL NOTICE.

THE FIBRESTONE & ROOFING CO. is now at 199 Tenth Street, corner of Howard street, San Francisco.

Get their bid before you sub-let for The Roofing, Slate Roofing, Felt and Gravel Roofing, Ready Roofing, Mastic Flooring Fibrestone (Magnesite Composition) Flooring.

PREPARE TO ASK FOR MORE BIDS.

HANFORD, Cal.—The County Highway Commission is preparing plans and specifications on which to base requests for bids on some of the county highway units. It is the intention of the board to again advertise for bids for the construction of the unit running north from this city to the Alcorn bridges with three miles into the Excelsior district for which no bids were received on the first advertising.

Another unit for which specifications are in preparation is that running through the Island territory west of Hardwick and north of Lemoore, known as the Browndale unit.

IMPROVED BUSINESS CONDITIONS IN VICTORIA.

Business generally in Victoria this fall is 25 to 100 per cent better than it was this time last year. This is particularly the case with dry-goods stores, men's furnishing shops, and stores that cater to women. The only stores that have experienced little or no increase are those which supply chiefly luxuries, such as jewelry.

The bank clearings of Victoria during the last several weeks have shown a steady and growing increase. For the last few weeks they have been running at about \$1,500,000 a week, which is an increase of \$200,000 to \$500,000 a week over the same period last year.

FOUR PUBLIC SAFETY HEARINGS.

The Industrial Accident Commission has arranged for four Public Safety Hearings in San Francisco, as follows: Window Cleaning Safety Orders, Monday, October 30th; Trench Construction Safety Orders, Tuesday, October 31st; Air Pressure Tank Safety Orders, Wednesday, November 1st; Electrical Utilization Safety Orders, Thursday, November 2nd. These Public Hearings will be held in Room 407 Underwood Building, 525 Market Street, San Francisco, commencing at 10 A. M. for each hearing.

Similar Public Hearings will be held in Los Angeles, as follows: Window Cleaning Safety Orders, Monday, November 13th; Trench Construction Safety Orders, Tuesday, November 14th; Air Pressure Tank Safety Orders, Wednesday, November 15th; Electrical Utilization Safety Orders, Thursday, November 16th. The Public Hearing will be held in Room 405 Union League Bldg., Los Angeles, commencing at 10 A. M. for each hearing.

Committees in San Francisco and Los Angeles have prepared these Tentative Safety Orders, excepting that the Electrical Safety Orders were written

by one general committee on which the southern part of the State had representation. Employers and employees met with delegates from the Insurance companies and the Safety Department of the Industrial Accident Commission. In this way all interested had full opportunity of expressing their views.

The Tentative Window Cleaning Safety Orders cover requirements relative to construction of fastenings for and use of safety belts, or other means providing for the safety of window cleaners.

There were 6 fatal window cleaning industrial injuries in 1915, 1 permanent injury and 53 temporary injuries. The total compensation for the 7 fatal and permanent injuries was \$5,589.43. Medical payments in these 7 cases amounted to \$239.50.

The Tentative Trench Construction Safety Orders give standards for sheeting, shoring and bracing trenches and define where they will be required.

There were 18 fatal trench construction industrial injuries in 1915, 9 permanent injuries and 546 temporary injuries. The total compensation paid in the 27 fatal and permanent injuries was \$6,851.56. The medical payment amounted to \$1,231.00.

The Tentative Air Pressure Tank Safety Orders provide for biennial inspection of air pressure tanks carrying over 25 pounds per square inch, together with rules designed to bring receiver pressures within safe limits and fixing these by means of limiting factors of safety. They also provide specifications governing the construction of new air tanks, their installation and equipment.

There was 1 fatal air pressure tank industrial injury in 1915, 6 permanent injuries and 343 temporary injuries. The total compensation payments in the 7 fatal and permanent injuries amounted to \$1,801.98 and the total amount expended for medical attention was \$238.20.

The Tentative Electrical Utilization Safety Orders cover safety standards for equipment, storage batteries, transformers, lighting arresters, conductors, switches, fuses, switchboards, motor and motor-driven machinery, are welding, lighting fixtures and alignment portable devices, cables and connectors, etc. The Orders were based on the electrical utilization section of the Proposed National Electrical Safety Code prepared by the U. S. Bureau of Standards.

There were 25 fatal electrical industrial injuries in 1915, 9 permanent injuries and 384 temporary injuries. Total compensation payments made in the 34 fatal and permanent injuries amounted to \$15,175.31 and medical payments in these cases amounted to \$16,629.92.

PAPER FACTORY PROJECT.

ORANGE.—Representatives of a large Eastern concern have been here looking over property with a view to establishing a manufacturing plant. The proposed establishment will consist of a cannery, a creamery and bottling works, besides a new patented proposition to convert orange pulp into paper pulp, which will be tried out.

MAARSELLE-RHONE CANAL AND ROVE TUNNEL.

[Consul General A. Gaullin, Marseille, France.]

Inquiries have been received concerning the actual state of the Marseille-Rhone Canal, to which the American press has recently devoted numerous articles. Most of the inquirers appear to be under the impression that the canal is practically completed, and will soon be open to navigation. As a matter of fact, a considerable amount of work remains to be done, as shown by the following statement from Mr. Bezault, the chief engineer in charge of the undertaking:

One of the three opening galleries of the Rove Tunnel is completed the entire length (7,200 meters, or 23,622 feet). The portion above the towpath is finished on half of the length. The canal ditch in the tunnel is not begun.

Between Marseille and Port-de-Bouc the breakwaters in the Mediterranean and in the Etang de Berre are almost completed. Between Port-de-Bouc and Arles, the work begun before the war is being continued. The locks at Arles on the Rhone are built.

The total cost of the canal is estimated at 92,000,000 francs (\$17,756,000), including 55,000,000 francs (\$10,615,000) for the Rove Tunnel and its approaches.

It is difficult to fix a date for the completion of the work.

Utilization of Etang de Berre Discussed.

A meeting of local business men was held September 8, 1916, at the Marseille Chamber of Commerce, for a discussion of measures for the practical utilization of the Etang de Berre. M. Thierry, Under Secretary of War, was present. The president of the chamber of commerce stated that the proper equipment of the Etang de Berre would probably increase the shipping tonnage at Marseille from 10,000,000 tons to a much larger amount, and make it the leading port in continental Europe. Speaking of the Rove Tunnel, he said that it had attracted attention the world over, but particularly in the United States. He added:

I have a firm offer of American capital for the development of the Etang de Berre into a lake. An American is also inquiring as to whether the shores of the Etang de Berre do not provide an ideal location for petroleum tanks of sufficient capacity to meet all the needs of the Marseille hinterland and export zone.

Resolutions were unanimously adopted urging the Government to take steps as soon as possible to deepen the entrance of the port of Bouc and the channel to the Etang de Berre, so as to render it accessible to seagoing vessels. The meeting also recommended the creation of free zones in the French seaports.

About one-third of Tunnel Still Unfinished.

About one-third of the Rove Tunnel is still unfinished, and it can be said that the greater part of the construction work of the Marseille-Rhone Canal has been done. But this new water route is not expected to be available for several years.

The chief interest of the Marseille-Rhone Canal appears to lie in the industrial and commercial possibilities of the territory surrounding the Etang de Berre, a salt lake covering an area of nearly 40,000 acres, which will become accessible both to seagoing vessels through Port-de-Bouc and Martigues and to barges from Marseille through

the Rive Tunnel. Mr. Hubert Giraud, of the Marseille Chamber of Commerce, in an interesting report to that chamber said:

The immense Berre Basin with its shore line of 68 kilometers (42.25 miles) offers an extremely favorable field for the establishment of the most varied industries. It is well sheltered, and it would be possible with a little dredging to build piers on its shores at a moderate cost, alongside which seagoing vessels could lie. Raw materials would thus be brought to the factory doors at small expense. Manufactured products could later be shipped to their destinations by various commercial routes.

Advantages Offered by Canal and Tunnel.

By the canal and the Rove Tunnel export goods loaded in barges could be brought to Marseille alongside the ships on which they would be taken overseas. It will no longer be necessary to use seagoing barges, with special equipment and of inconvenient size. The small auxiliary boats now used in the port of Marseille would be sufficient for this purpose. Merchandise intended for the interior of the country will have the choice between the canal leading to Arles and the Rhone and the railway route. The railway lines encircle completely the Etang de Berre. The principal line from Marseille to Lyon runs at a short distance from the shore on the eastern side. The new line from Miramas to the Estaque serves the western coast, Port-de-Bouc and the Etang de Caronte. Fine canal leading to Arles and the Rhone and the railway route. The railway lines encircle completely the Etang de Berre. The principal line from Marseille to Lyon runs at a short distance from the shore on the eastern side. The new line from Miramas to the Estaque serves the western coast, Port-de-Bouc and the Etang de Caronte. Fine canal leading to Arles and the Rhone and the railway route. The railway lines encircle completely the Etang de Berre. From every point sidings could easily be established, and the facilities in direct contact with the sea and railway, will find the most favorable conditions required for the operation of modern plants.

The Marseille Chamber of Commerce states that the development of the Etang de Berre is a necessary consequence of the new water route.

Deepening and Widening of Waterways.

The present plans are to deepen the entrance channel to Port-de-Bouc to a depth of 9 meters (29.52 feet); to give the same depth to the Port-de-Bouc Harbor and to the canal connecting Port-de-Bouc and Martigues; to widen this canal to at least 60 meters (196.58 feet); to create at Martigues an outlet into the Etang de Berre, with a passage of 40 meters (131.23 feet), spanned by a turning bridge, and to deepen the channel in the Etang de Berre to 9 meters (29.52 feet). These improvements would be carried out so as to make it possible to carry the depths to 10 meters (32.81 feet) whenever required.

The Etang de Berre is separated from the Mediterranean by a range of hills, averaging 9 kilometers (5.59 miles), in width and from 100 to 250 meters (328 to 820 feet) high. The depth of water is very variable, but there is an area of more than 6,000 hectares (14,826 acres) with a depth of at least 9 meters (29.52 feet). The importance of such an addition to the port of Marseille will be realized when it is recalled that the total area of the Marseille docks is 225 hectares (556 acres).

Large Industrial Plants to be Built.

It is reported that several French and foreign companies have already acquired sites in this region and intend to erect large industrial plants; but as it is also proposed to reclaim a fairly large tract of land for industrial purposes in the immediate vicinity of the Marseille terminal of the canal, the industrial development of the Etang de Berre may be somewhat delayed.

Although the Marseille-Rhone Canal has been extensively described, it may

be useful to recall its chief characteristics: It is a sea-level canal 81 kilometers (50.33 miles) in length. It starts from the northern extremity of the port of Marseille, follows the coast up to the small port of La Lave, a little beyond the Estaque Harbor, then crosses the Rove Mountain in a straight line through a tunnel 7,200 meters (23,622 feet) in length, and runs along the southern shores of the Etang de Bolmon and the Etang de Berre until it reaches the town of Martigues. Beyond this port it merges in the already existing canals from Martigues to Bouc and from Bouc to Arles where it joins with the Rhone.

Lock Built Because of Difference in Levels.

A lift lock has been built at Arles on account of the difference between the Rhone and sea levels, a difference of 45.76 inches at high tide and 23.62 inches at low tide. The useful length of this lock is 160 meters (525 feet), and its width 16 meters (52.49 feet). The Arles-Bouc canal has to be deepened by 11.18 feet in order to be brought to the level of the Marseille-Bouc branch. Its present width on the surface is only 47.24 feet and requires widening to 75.45 feet. The normal width of the canal is to be 25 meters (82.02 feet), measured at 2 meters (6.56 feet) above the water surface. In the narrow sections the width will be reduced to 18 meters (59.05 feet).

The characteristics of the Rove Tunnel are as follows: Length, 7,200 meters (4.47 miles); total width, 22 meters (72.17 feet); height, 14 meters (45.93 feet). The work on the tunnel was begun in 1910.

Some American machinery was used in the digging of the canal and piercing of the tunnel, and it is stated to have given entire satisfaction.

Detailed technical and other valuable information concerning the canal and tunnel will be found in the pamphlet entitled "Le Canal de Marseille au Rhone," by Mr. Bourgaignon, ingenieur en chef of the department of roads and bridges, who was for some years in charge of this construction work.

[A copy of the publication mentioned, together with an album of technical interest containing drawings and half-tones of the canal and tunnel and eight photographs of various points along the route, may be inspected at the Bureau of Foreign and Domestic Commerce, its district or co-operative offices. Refer to file No. 80506.]

HARDWARE SALES IN SOUTH AMERICA.

Considerable capital furnished by citizens of the United States is being invested in Chile's mining enterprises, and that tends to increase the use of products from this country. In Bolivia American goods have been selling well since the war started, and it is thought that much of the newly gained business can be retained. Our hardware has a reputation for high quality among the Bolivians, and all that is required to gain markets for it is a willingness to grant terms similar to those to which the native firms are accustomed.

Conditions in these two South American countries are described, and facts relating to their hardware markets are

given in the first of a series of publications from the Bureau of Foreign and Domestic Commerce, based on the recent world-wide investigation of hardware markets by the American commercial attaches. The reports have been prepared under the direction of the attaches, but the technical information was collected by specially engaged experts in each country. In addition to the written reports thousands of dollars' worth of samples were forwarded to the United States and have already been exhibited in the principal American hardware centers. They now form a part of the Bureau's permanent exhibit in New York City. This investigation is the first of a number of far-reaching, concerted studies to be undertaken by the attaché service to assist American manufacturers in capturing foreign markets.

Imports of Chile and Bolivia.

The report on Chile and Bolivia was prepared under the direction of Commercial Attaché Verne L. Havens, who has his headquarters at Santiago, Chile. During the normal year 1913-14 Chile imported a total of \$3,750,000 worth of hardware. Germany led all competitors as a source of supply with a total of \$1,487,000 worth. England was second with \$999,000 worth, and the United States was third with \$651,812 worth. It is an interesting fact that Belgium sold \$300,000 worth of hardware to Chile in 1914, a decided gain over its previous showing. In 1913 Bolivia imported hardware valued at \$3,500,000, and at that time German manufacturers easily controlled the market.

The report not only discusses general conditions in the two countries, but takes up in detail each article of hardware, describes the design most in favor, and endeavors to account for its popularity. The work is entitled "Markets for American Hardware in Chile and Bolivia," Miscellaneous Series No. 41. In all there are 190 pages, including 12 illustrations of hardware articles in common use in the countries dealt with. Copies may be had at 25 cents each from the Superintendent of Documents, Washington, D. C., or from the district offices of the Bureau of Foreign and Domestic Commerce.

STATEMENT BY JOHN FRANCIS NEVLAN.

Chairman, State Board of Control.

I am conscious of the fact that political prophecies rarely carry any weight for the reason that in the nature of things the partisan spirit of the prophet tends to color his view. Therefore, not as a prophecy but merely as an expression of individual opinion, after having covered practically every town in southern California and along the Coast and after noting reports from the northern counties, I am of the opinion that Governor Johnson will be elected United States Senator by not less than 200,000 majority.

The indicated sweep is so tremendous in those sections in which I have been that the UNANIMOUS movement seems to have caught on very readily.

The impression I have received in every single community in which I have been has been that regardless of partisan feeling the people of California

want to send to the Senate the man whom they believe to be the ablest son California has ever produced.

The vital interest of California in the Japanese immigration question which will press for solution in the next year and a half, or equally vital interest in tariff protection of industries, or interest in defense for the Pacific Coast, or interest in a national budget system as against the Pork Barrel system of making national appropriations, have all conspired to make it apparent that California must have at the Nation's Capital the ablest advocate she can send there.

The people are fully alive to the fact that Governor Johnson will go to the United States Senate probably the best equipped man who ever entered that body because of his experience during the past six years in solving all the problems which have confronted California. They realize in addition that he would command the attention of the United States Senate from the day he entered there for the reason that he is a national figure.

They realize that Hiram Johnson is not only known to every man, woman and child in California but that millions of people throughout the United States believe him to be one of the great Americans of our present political era. With such standing he has the ability to bring the problems of California to the attention not only of the United States Senate but to the attention of the entire Nation.

Californians, regardless of political affiliation, seem to realize that through Governor Johnson we have an opportunity, for the first time in the history of the Nation, to have the full weight of the Pacific Coast felt in the settlement of national affairs.

There is not the slightest doubt in my mind that Governor Johnson is going to receive a greater vote than he received in 1914 when he was re-elected by a plurality of 159,000.

LITTLE KNOWN FOREST PRODUCTS WIDELY USED.

WASHINGTON, October 23.—In addition to the ordinary uses of wood with which we are familiar, mankind is dependent upon the forest for a variety of products whose appearance does not indicate their origin, say members of the Forest Service. Numerous as these products are, and as extensive as is their use at the present time, science is constantly learning new constituents which enter into the makeup of wood and is finding new uses to which these constituents and those already known can be put. Powder for munitions or blasting, disinfectants for protection against contagious diseases, and artificial silk for clothing are among the products obtained in whole or in part from wood.

Charcoal, as everyone knows, is essential for the manufacture of black powder. All of the acetone used as a solvent in making nitro-cellulose products is derived from acetic acid, a product of hardwood distillation. Great Britain, it is said, is dependent upon the United States for acetone used in making cordite. Black walnut is a

standard for gunstocks, and has been so much in demand for the past two years that our supply of this valuable wood has been considerably reduced and other woods, notable birch, are being substituted. From Europe comes the complaint that there is a shortage of willow for making wooden legs.

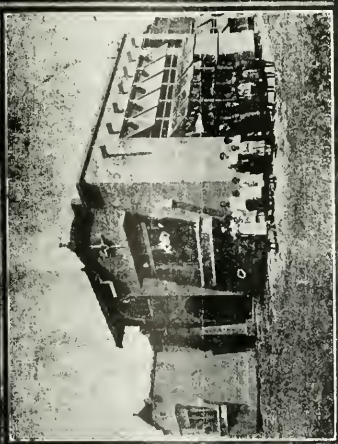
Pure wood alcohol is the only substance which can be converted commercially into formaldehyde, which is universally used for disinfection against such contagious diseases as smallpox, scarlet fever, and tuberculosis. The experts at the Forest Products Laboratory have conducted extensive experiments on the production of grain or ethyl alcohol from wood and have been successful in experimental work in raising the yield and lowering the cost of production. If this process can be put on a commercial basis, the foresters say, it will result in putting the millions of tons of coniferous sawdust and other material which is now wasted every year to a profitable use.

By converting cellulose, one of the elements of wood, into a gelatinous material, known as viscose, a wide field is opened up for the utilization of wood waste, and a new line of products, varying all the way from sausage casings to tapestry, is added to the already lengthy list. Many of the so-called "silk" socks, neckties and fancy braids now on the market contain artificial silk made from wood.

About nine-tenths of all paper which we use is made from wood. Besides the detailed investigations of the methods of making newsprint paper, and of the production of paper from woods hitherto unused for that purpose, which have been conducted, kraft paper, which compares favorably with the best on the market, has been produced experimentally at the Forest Products Laboratory from longleaf-pine mill-waste. This kraft paper is brown in color and is very much stronger than ordinary papers. It is used for a variety of purposes, and, cut into strips, is spun or twisted into thread which is then woven into onion and coffee bags, matting, suitcases and wall covering, similar to burlap, and furniture closely resembling that made from reeds, as well as other articles of common use.

Within the past year the Forest Products Laboratory has, by co-operating with manufacturers, succeeded in getting a dye made from mill waste of osage orange put on the market as a substitute for fustic, which we import from Jamaica and Tehuantepec.

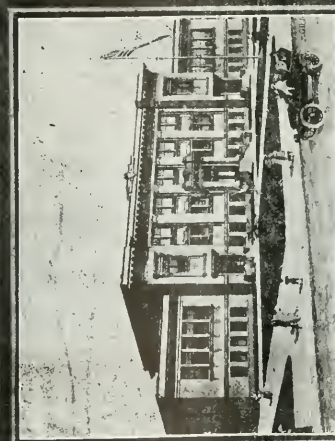
These are only a few example of the various lines of work carried on at the Forest Products Laboratory, say the men in charge. Other activities, ranging all the way from the study of decay in wood to that of the resistance of wood to fire, are in progress, and new discoveries are constantly being made. Incidentally, the Forest Products Laboratory, at Madison, Wisconsin, was the first of its kind in the world and is probably still the best equipped. With the possible exception of Germany, no other country has done as much as the United States systematically to investigate the possibilities of its forest resources.



COLLEGE PARK SCHOOL - SAN JOSE. - Frank D. Wolfe Architect



ROCK RIDGE SCHOOL, OAKLAND - J.J. Donovan Supervising Archt.



WOODLAND SCHOOL - W.H. Weeks Architect



INTERIOR VIEW - MCCHESNEY SCHOOL - J.J. Donovan Supervising Archt.

Equipped with **SIMPLEX WINDOWS** 525 Market St., S. F.
Send for Catalog. Agents wanted for unoccupied territory

BOGOTA PLANS STREET IMPROVEMENTS.

It is reported that the municipality of Bogota, Colombia, is studying a project of street sanitation which involves this expenditure of about \$2,500, United States currency, for the purchase of garbage carts. The municipal government is interesting itself also in leasing a small asphalt plant, planning to use the product for the paving of those streets the residents of which will defray 50 per cent of the cost of such work in front of their respective holdings.

Correspondence regarding garbage carts should be addressed to the Administrator de Aseo Publico, Bogota, Colombia, while communications concerning street-paving machinery and implements should be sent to the Ingeniero Municipal. Both officials should be addressed in Spanish.

TEN MILES OF SHIPS USED THE PANAMA CANAL IN JULY.

In the Panama Canal Record for October 11 an interesting computation is published to show that the aggregate length of the 149 ships passing through the canal in July last was 53,905 feet, or approximately 10.2 miles. The average length of the vessels was 260.92 feet and the average draft was 20.9 feet. The vessel having the largest draft was the *Ohiwaan*, drawing 29.4 feet, and the vessel having the smallest draft was the *Panama Railroad barge No. 71*, which draws only 2 feet. The vessel having the greatest length were the *Siberia* and the *Korea*, each 552 feet long, and the vessel having the least length was the *Sir Francis*, 32 feet.

The first Spanish vessel to make use of the Panama Canal, states the Panama Canal Record, was the *Carlos* of Bilbao, which entered from Cristobal on September 21 in passage from Norfolk to Mejillones with 3,391 tons of coal. A second Spanish ship, the *Barcelo*, went through on the same routing on September 30.

UNITED STATES CIVIL SERVICE EXAMINATION.

MECHANICAL DRAFTSMAN (MALE).

Office of the Chief of Ordnance, War Department.

November 28, 1916.

The United States Civil Service Commission announces an open competitive examination for mechanical draftsman, for men only. From the register of eligibles resulting from this examination certification will be made to fill vacancies as they may occur in this position in the Office of the Chief of Ordnance, War Department, Washington, D. C., at entrance salaries ranging from \$1,000 to \$1,200 a year, and in positions in that office requiring similar qualifications, unless it is found to be in the interest of the service to fill any vacancy by reinstatement, transfer, or promotion.

Competitors will not be assembled for examination, but will be rated on the following subjects, which will have the relative weights indicated:

Subjects.	Weights.
1. General education	20
2. Technical training and experience	60
3. Practical tests rated on work submitted	20
Total	100

Persons who meet the requirements and desire this examination, should at once apply for Form 1312, stating the title of the examination desired, to the United States Civil Service Commission, Washington, D. C.; or the Secretary of the United States Civil Service Board, Post Office Bldg., San Francisco. Applications should be properly executed, excluding the medical certificate, and must be filed with the Commission at Washington, with the material required, prior to the hour of closing business on November 28, 1916.

THE LOST IDEALS.

From the Detroit Free Press.

He was a man of splendid thoughts and visions clear and true,
He loved his City and his State, he loved his country too;
With shoulders square and head erect he walked from day to day,
The best in life was what he hoped to find along the way.

Within the circle of his friends he talked of higher things,
The pride of honor and the joy that decent living brings;
The evil in the lives of men for him had little charm,
He taught his children what was good and shielded them from harm.

His views on all a citizen should be were clear and fine,
He loved his country's flag and all the stars that on it shine.
But lost were all his high ideals, to naught did they amount,
For he forgot to register, and his vote doesn't count.

CONSTRUCTION WORK ABROAD

CANADA.

[Consul W. E. Alger, Fernie, British Columbia, Oct. 19.]

New Stamp Mill at Nelson.

The establishment of a customs stamp mill at Nelson, in the Fernie consular district, now seems assured. It is the intention to build a gold stamp mill with cyanide equipment. This would be advantageous, as it would provide a means of treating ore taken out during development work which does not run high enough to justify shipment to a smelter.

CHILE.

[Ambassador Joseph H. Shea, Santiago, September 19.]

Antofagasta Port-Works Law.

The law which provides for the construction of port works at Antofagasta was promulgated in the *Diario Oficial* of September 8. The cost of the works is limited to £1,700,000 sterling (\$8,278,000), and by the act of the President of the Republic is authorized to procure the funds in one of several ways—but it is generally believed it will be necessary to contract a loan for the entire amount. The rate of interest to be paid on the loan is fixed at 6 per cent and the amortization at not to exceed 2 per cent.

The law [a translation of which will be loaned to those interested by the Bureau of Foreign and Domestic Commerce, Washington, upon referring to file No. 81325] also stipulates that bids for the works shall be asked for in Chile, Europe, and the United States within three years.

JAPAN.

[British (Government) Board of Trade Journal, Oct. 5.]

New Railways and Harbor Works in Hokkaido.

At the end of 1915 the extent of railways in the Hokkaido was 878 miles of single track and 66 miles of double track. The chief work done during the year was the opening to traffic of 7½ miles of new single track north of Shimo-Okutabara, on the line to Yubetsu, and the double-tracking of 9½ miles on the Yubari branch line. It is intended to complete another 15 miles of single track on the line to Wakkanaï and the remaining 10 miles of the line to Yubetsu. In addition, construction work will be carried out on a further 6 miles of the former of these two railways and on the first 30 miles of the track that will eventually link up Kusture with Nemuro.

Plans have been approved for a four years' program of harbor works at the port of Aomori. The plans are for two detached breakwaters, two moles, and a quay. The entire works are to cost about \$750,000, and are being undertaken by the prefectural government, aided by a subsidy from the Imperial Treasury. The absence of any protection against northerly winds has long been a source of great inconvenience at this port, as communication between ships and the shore is often dangerous and sometimes impossible in winter.

CONSTRUCTION WORK ABROAD.

HONOLULU.

Bids for three residences costing \$37,000 will be opened soon, but as the plans are not yet completed, Architects Ripley & Davis, of Honolulu, would not give out the names of the owners.

Because business has increased to such an extent during the past year Wing Wo Tai & Company plans to erect a new two-story business block with a basement on Nuuanu street near King and plans for this building are now being drawn by Architects Emory & Webb, Honolulu. The building is to be constructed of stone with a plaster finish and contain all modern improvements throughout.

The bids for the Ehlers building call for the addition of another story, the extension back of the store 40 feet and a beautiful new front, making the store one of the finest in Honolulu.

PASSENGERS FROM ARGENTINA USE PANAMA CANAL.

[Panama Canal Record, Oct. 4.]

Increasing numbers of persons bound from Argentina, notably Buenos Aires, for the United States are making the voyage by way of the Panama Canal. They go to Valparaiso over the Trans-andean Railway and embark there for the Canal Zone on one of the two lines plying between Chile and the Atlantic terminus of the Canal. The voyage to Balboa takes about 15 days, and close connections are usually made on the Isthmus with ships for the United States, which are at sea from five to eight days.

Two of the steamship lines which are interested in this traffic have agencies in Argentina. The distance from Valparaiso to New York, sailing direct to and from the canal, is 4,633 nautical miles, of which 1,970 miles are on the

Atlantic. From Buenos Aires to New York direct is 5,871 miles; via Montevideo, Rio de Janeiro, Bahia, and Pernambuco, 6,004 miles. The railway journey from Buenos Aires to Valparaiso requires about a day and a half; in the winter the trains are frequently delayed by snows.

REDDING MAY BUILD NEW WATER SYSTEM.

REDDING, Cal.—The City Trustees are investigating the possibility of establishing a new city water system, the source of supply to be the waters of Brandy Creek, near Whiskeytown. Accompanied by H. H. Henderson, engineer for the Anderson-Cottonwood Irrigation District, they visited Brandy Creek at a point fourteen miles from Redding.

Years ago a company was formed to bring water to Redding from Brandy Creek. New York capital was interested and work was actually begun on a long tunnel. Assessment work was kept up several years in an effort to keep the project alive. Owing to the fact that the McCormick-Saeltzer and their interests had filed prior water rights, the project was finally given up.

DEPARTMENT OF THE INTERIOR.

BUREAU OF MINES.

New Publications. (List 47.—Oct., 1916) BULLETINS.

Bulletin 108. Melting aluminum pipes, by H. W. Gillett and G. M. James, 1916. 88 pp.

Bulletin 126. Abstracts of current decisions on mines and mining, reported from January to April, 1916, by J. V. Thompson. 1916. 90pp.

Bulletin 134. The use of mud-laden fluid in oil and gas wells, by J. O. Lewis and W. F. McMurray. 1916. 86 pp., 3 pls., 18 figs.

TECHNICAL PAPERS.

Technical Paper 130. Underground waste in oil and gas fields and methods of prevention by W. F. McMurray and J. O. Lewis. 1916. 28 pp., 1 pl., 8 figs.

Technical Paper 136. Safe practice at blast furnaces: a manual for foremen and men, by F. H. Wilcox. 1916. 73 pp., 1 pl., 43 figs.

Technical Paper 146. The nitration of toluene, by E. J. Hoffman. 1916. 32 pp.

Technical Paper 157. A method for measuring the viscosity of blast-furnace slag at high temperatures, by A. A. Feild. 1916. 29 pp., 7 figs.

NOTE:—Only a limited supply of these publications is available for free distribution, and applicants are asked to co-operate in insuring an equitable distribution by selecting publications that are of especial interest. Requests for all papers can not be granted. Publications should be ordered by number and title. Applications should be addressed to the Director of the Bureau of Mines, Washington, D. C.

MAKING PIPE FOR SEWER SYSTEM.

FRESNO, Cal.—Pipe is now being manufactured on the Santa Fe reservation for Fresno's new sanitary sewer system, and the first of the pipe will be laid in a few days. About 5000 feet of trenches have been dug by the Coast Construction Company, the successful bidders, near the sewer farm. Excavation and the laying of pipes will be started on a big scale soon.

Associated Catalogues.

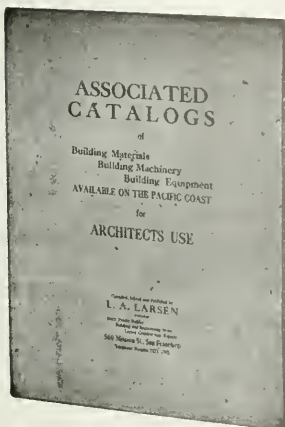


Here is where the Architect usually files the circulars, catalogues, announcements, etc., that come to his office. He can't take care of them. There are too many of them.

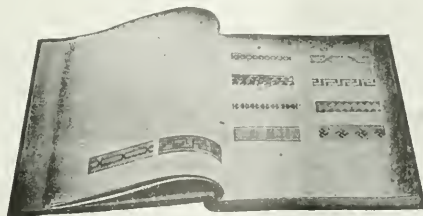


the Remedy:

Associated Catalogues is a collection of catalogues of Building Materials, Building Equipment and Building Machinery available on the Pacific Coast, bound in one volume, thoroughly indexed for instant reference for Architects use.



Every Architect, Consulting Engineer and Large Corporation Purchasing Agent on the Pacific Coast will receive a copy Free. When



Size of pages, 11x14 inches.

the Architect is preparing his plans and specifications, he wants to know how to specify your goods. It's up to you, Mr. Dealer, to make it easy to specify your products.

Associated Catalogues presents the solution. Price per page \$30.00. Send for specimen pages.

L. A. LARSEN, Publisher

560 Mission St.,

San Francisco

Branch Offices: Los Angeles, Seattle, Portland.

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

PIERCE-BOSQUIT Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E PIERCE - Manager
905 SIXTH STREET

TO SELECT ARCHITECT FOR AUSTRALIAN BUILDING.

A copy of the program for the international competition to select an architect for the Federal Parliament House at the new capital city of Canberra in Australia has been forwarded from Sydney by Consul General J. I. Brittain. The Government has resumed the competition, and extended the date for receiving the designs in either London or Melbourne from March 31, 1915, to January 31, 1917. The Federal Capital Director of Design and Construction is Walter Burley Griffin, whose address is Department of Home Affairs, Federal Capital Office, 84 William Street, Melbourne, Victoria. A copy of the pamphlet giving full details of the competition may be inspected at the Bureau of Foreign and Domestic Commerce or its district offices. Refer to file No. 81211.

SOUTHERN PACIFIC BUILDING PERMIT ISSUED.

Paying a fee of \$432, Contractors Lindgren & Co., Monadnock Bldg., were granted the building permit for the erection of the new Southern Pacific Building, now under construction on the south line of Market street, between Stuart and Spear streets. The estimate cost of the structure, as filed with the Board of Public Works, is \$1,600,000. A permit for the foundation was issued separately and for which a fee of \$112 was paid, the approximate cost being \$200,000. Plans for the building were designed by Architects Bliss & Faville, Balboa Bldg.

STOP Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VALUE TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For
You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

To the Building and Engineering News 560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and
will pay you as per X mark below when you send your bill.

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Signed _____

Street and No. _____

City _____

State _____

FAST ELECTRIC TRAINS TO SACRAMENTO

LEAVE KEY ROUTE FERRY.

Leave Daily except as noted.

7:20A Sacramento, Dixon Jct., Pittsburg, Bay Point. Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.

8:00A Concord, Diablo and Way Stations.

9:00A Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.

9:40A Pinehurst, Concord, Sundays and Holidays.

11:20A Sacramento, Pittsburg, Bay Point, Colusa, Chico.

1:00P Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.

3:00P Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.

4:00P Concord and Way Stations.

4:40P Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.

5:15P Pittsburg, Concord, Danville and Way Stations, except Sunday and Holidays.

8:00P Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

* Connections made at Mallard to Walnut Grove, Ryde, Isleton, and Vista by Lauritzen Transportation Co. Boats.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker
2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing.
Telephone Oakland 3724

Cut this out and mail to-day

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 46

Publication Office,
540 Mission St.

San Francisco, Cal., November 15, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

**PYROPHOR is a
Tool Steel** which

is almost indestructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,

San Francisco

Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco

Telephone Sutter 5231

Member

Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE

68 POST STREET

Foxcroft Building

San Francisco

THE
Safe Deposit Vaults
of the
BANK OF ITALY

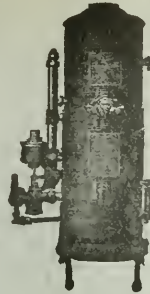
Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907

Oakland, Oakland 8841

Telephone Market 1035

**Fine and Sanitary
PLUMBING**

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and Octavia

SAN FRANCISCO, CAL.



The convenient location of the "Pacific" factories enables us to make quick deliveries and prompt replacements in case of breakage.

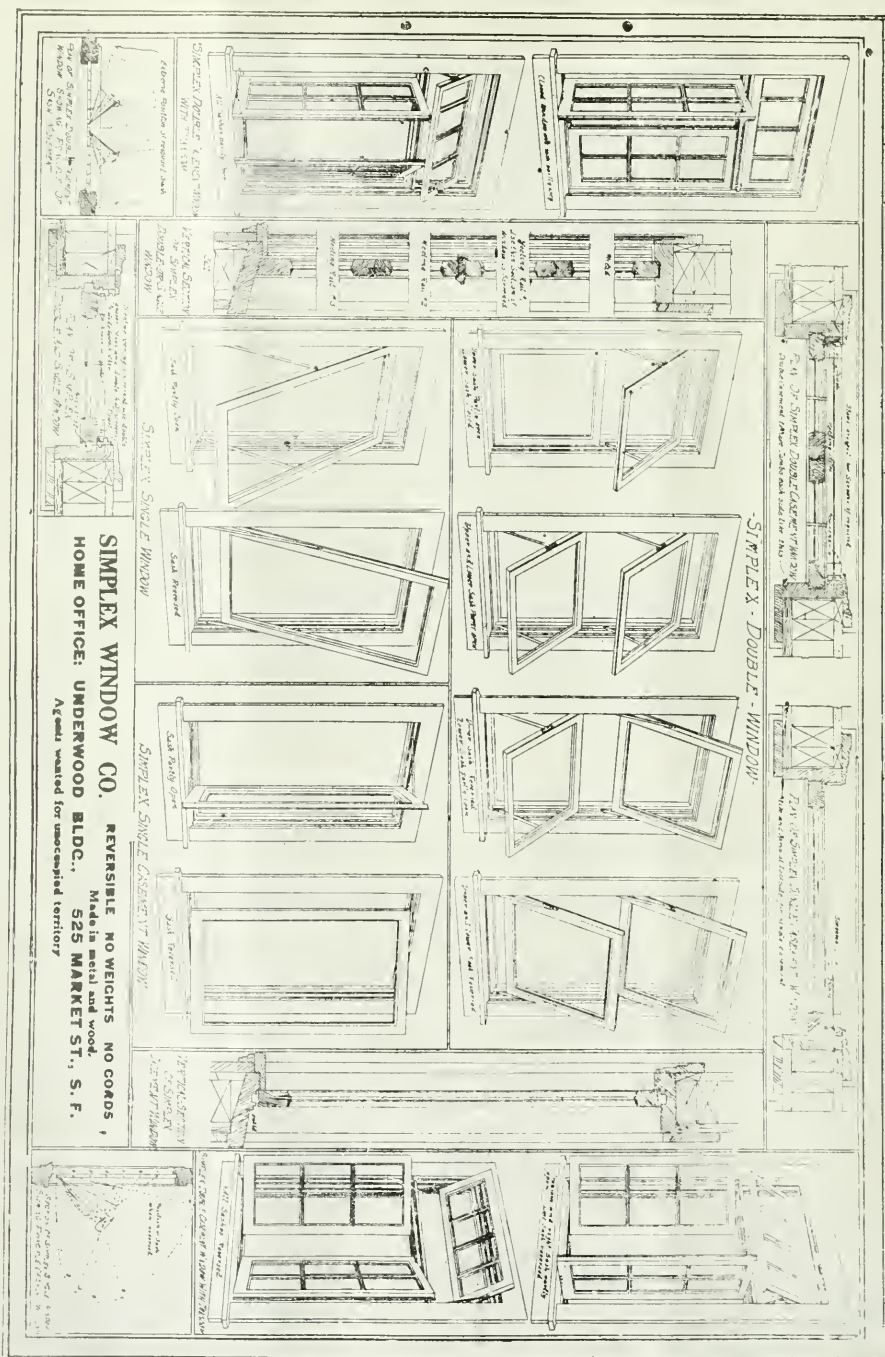
"Pacific"



Plumbing Fixtures

Main Offices and Showroom.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. November 15, 1916

Sixteenth Year, No. 46



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates.—One Year, \$3.00; Two Years, \$5.00; Five Years, \$16.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	1
Apartment Houses.....	4
Barracks.....	4
Bonds.....	4
Bridges, Dams and Harbor Work.....	4
Churches.....	4
Court Houses.....	4
Factories and Warehouses.....	15
Flats.....	5
Fresno, Modesto, Stanislaus and Central California.....	23
Government Work and Supplies.....	5
Halls and Society Buildings.....	5
Hospitals.....	5-6
Hotels.....	6
Irrigation & Reclamation Projects.....	6
Los Angeles and Southern California.....	25
Marin, Contra Costa and Sonoma Counties.....	22-23
Oakland and Alameda County.....	17-18-19-20-21
Portland and Oregon.....	25
Power Plants & Water Systems.....	6
Residences.....	5-7
Sacramento and Northern California.....	23-24-25
San Francisco.....	10-11-12-13
San Jose.....	11-15-16-17
San Jose & Santa Clara Valley.....	21-22
Schools.....	7
Scaled Proposals.....	8-9
Seattle and Washington.....	25
Sewers and Street Work.....	8
Stores and Offices.....	8

SAYS QUEER BIRD, THE ROADRUNNER, IS FRIEND NOT ENEMY OF MAN.

A slandered reputation has been redeemed. The Roadrunner, one of the queerest and most interesting of the birds of California, has now been declared by the University of California to be a friend and not an enemy of man. This picturesque bird, which can run as fast as a horse, has in the past been accused of destroying the eggs and young of the quail. Dr. Harold C. Bryant, Economic Ornithologist of the University of California Museum of Vertebrate Zoology, tells in an illustrated paper on "Habitats and Food of the Roadrunner in California," just published by the University, how he has rescued the reputation of the roadrunner.

Eighty-four stomachs of roadrunners were collected in Southern California during eleven different months for the California Fish and Game Commission, and the contents examined by Dr. Bryant. This search, and extensive inquiry, failed to find any evidence that the roadrunner destroys the eggs of other birds. It was found that 90 per cent of the contents of these eighty-four stomachs were insects and other animal matter, and only ten per cent vegetable material, nearly all of that being fruit and seeds of the "sour-herry," with some cactus seeds. Grasshoppers and crickets made up 37 per cent of the food, beetles 18, and cutworms and caterpillars 7 per cent and there were lesser quantities of cicadas, ants, bees, and wasps, while scorpions made nearly four per cent of the food. Spiders, tarantulas, and centipedes too had been devoured.

It takes early two quarts of food a week to satisfy a roadrunner's appetite. Here is what Dr. Bryant found in the stomach of a single bird: two sunac seeds and one other seed, two blades of grass, seventeen beetles of four different species, eight wireworms, twelve grasshoppers, one potato bug, nine other bugs of two species, a spider egg-case, a scorpion, and a lizard.

Astonishing feats of swallowing are performed by the roadrunner. It destroys more hairy caterpillars than any other California bird—even the woollybear caterpillar, which few other birds will tackle. One roadrunner was found which had swallowed a horned toad an inch wide, another whose stomach contained four full-sized whip-tailed lizards. One taken in Arizona contained a garter snake twenty inches long, and a California roadrunner several young rattlesnakes. With this highly spiced diet, the roadrunner seems to need little water, thriving on the hottest deserts, and in captivity rarely drinking more than twice a week, and never taking a bath—except in dust.

A thorny shrub or a cactus is the home selected by the roadrunner for its nest, and it hops nimbly from limb to limb

of its thorny fortress. Husband and wife take turns covering the eggs. From three to nine eggs are laid, at intervals of several days, but incubation begins when the first eggs are laid. William L. Finley, the naturalist, a graduate of the University of California in 1902, and his wife, well known writers on bird-life, describe a single nest in Arizona which contained one fresh egg, one egg just ready to hatch, two featherless, greasy, black, and hideous young roadrunners, and two young ones about ready to leave the nest.

Most of the California roadrunners dwell in desert regions, far from the haunts of man. While many song-birds have a range of but a few acres, the roadrunner has a range of many miles. Dr. Bryant thinks that the roadrunners in California are comparatively few in number, and even in desert regions, where they are most abundant, do not exceed ten or twelve to the square mile. In early days in California the bird was often about the house and garden and used as a destroyer of insects and mice, and people found it a most amusing and interesting pet.

"It is to the interest of every citizen of California," concludes Dr. Bryant, "to protect carefully this most curious and interesting bird."

IMPORTS OF HARDWARE INTO FOREIGN COUNTRIES.

Statistics were recently compiled at the Bureau of Foreign and Domestic Commerce from the official returns of the respective countries, showing the imports of certain kinds of hardware into British India, Japan, China, Straits Settlements, Federated Malay States, Siam, Ceylon, and Chosen, and the principal countries of origin. These statistics can be examined at the bureau, Custom House, San Francisco. Refer to file No. 162.

OFFICERS NAMED BY THE ROAD BUILDERS.

NEW YORK—Arthur W. Dean, Chief Engineer of the Massachusetts Highways Commission, has been elected President of the American Road Builders' Association. William H. Cancell, Chief of the Bureau of Highways of Philadelphia, was elected First Vice President; Austin B. Fletcher, State Highway Engineer of California, Second Vice President; E. L. Bowers, Editor of Good Roads, Secretary, and W. W. Crosby of Baltimore, Treasurer.

MODESTO VOTERS FAVOR \$1,500,000 ROAD BONDS.

MODESTO, Cal.—Good roads bonds totaling \$1,500,000 have been voted by citizens of Stanislaus county, and 126 miles of concrete roadbed will be constructed.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 1 story and base, frame, \$22,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, H. H. Helbush, 75 Sutter street, S. F. Location, northeast Arguello Boulevard and Euclid avenue, covering an area of 100 by 82 feet. Will contain three, four and five room apartments. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house, 1 story and base, frame, \$27,000. Architect, C. A. Meussdorff, Humboldt Bank Bldg., S. F. Owners, B. Green and R. Saalfield. Location, southwest Pacific avenue and Franklin street, covering an area of 17½ by 90 feet. Will contain a number of two, three and four room apartments. Plans complete and segregated figures being taken.

SACRAMENTO, CAL.—Apartment house, 2 story and base, frame, \$9,000. Architect, Alex Willoner, 242 L street, Sacramento. Owner, W. H. McMorry. Location, 17th and I streets. Will contain eight apartments of one room and small buffet kitchen. Plans being prepared.

Contracts Awarded.

SAN FRANCISCO—Apartment house, 1 story and base, frame, \$20,000. Architect, J. F. Dunn, Monmouth Bldg., S. F. Owner's name not given. Contractor, Fred L. Hansen, 709 Mission street, S. F. Contract price, \$20,000.

PORTERVILLE, TULARE CO., CAL.—Apartment house, 2 story, brick, \$25,000. Architect, F. H. Gentry, Union Oil Bldg., L. A. Owner, Dr. C. E. Smith. Contractor, A. Kaulbeck, Marsh-Strong Bldg., L. A. Contract price, \$25,000.

BARRACKS.

LOS ANGELES, CAL. Barracks, 2 story and base, brick and concrete. Cost not stated. Architect, Theo. A. Eisen & Son, Wilcox Bldg., L. A. Owners, Non Commissioned Officers Volunteer League of America. Location, 23rd street between Maple and San Pedro, covering an area of 141 by 105 feet. Plans being prepared.

BONDS

COALINGA, FRESNO CO., CAL.—The bond issue for \$100,000 for the acquisition, construction and completion of the water works system, carried by a large majority. It is now up to the City Trustees to either purchase the present system, known as the Pleasant Valley Water Company, or construct a new system.

POMONA, LOS ANGELES CO., CAL.—The City Council has appointed a committee of five citizens to secure signatures to a petition for a \$200,000 bond issue for street improvements and drainage work.

MODESTO, STANISLAUS CO., CAL.—A bond issue of \$1,182,000 for construction of a county highway system, com-

prising 125 miles of concrete paved roads, has been carried.

CALIFORNIA—A State highway bond issue of \$15,000,000 for completion of the highway system has been carried by a large majority.

YUBA CITY, SUTTER CO., CAL.—A bond issue of \$300,000 for construction of four bridges in different parts of the county has been defeated, while the issue providing \$20,000 for a county hospital building carried.

SUNNYVALE, SANTA CLARA CO., CAL.—At the last meeting of the Town Trustees an ordinance calling for a bond election for municipal improvements was given its second reading and adopted. The ordinance provides that a special election be held for the purpose of submitting to the voters, bond propositions amounting to \$30,000. This is for improvements, etc., to the water system, \$15,000; the purchase of land for municipal buildings, \$1,000; the completion of town hall, \$7,000; the construction of a fire engine and hose house, etc., \$1,000. The date of the election is November 21st.

CHOWCHILLA, MADERA CO., CAL.—The \$50,000 bond issue for a new school building carried, and an architect will be selected shortly to prepare plans for the structure.

REDDING, SHASTA CO., CAL. Several prominent business men have decided to form a \$25,000 corporation for the purpose of erecting a big brick building and operating a steam laundry. The directors are as follows: President, W. H. Bergh; Vice-President, I. J. Johnson; Secretary, Jesse W. Carter; Treasurer, D. B. Nathan; I. K. Johnson, W. H. Glover, C. C. Dakin.

YREKA, SISKIYOU CO., CAL.—The \$60,000 bond issue for a new school to replace that recently destroyed by fire, failed to carry.

MERCED, MERCED CO., CAL.—The Railroad Commission has instructed the Santa Fe Railroad to erect a new depot building at Merced.

MODESTO, STANISLAUS CO., CAL.—Bids for the purchase of the \$165,000 bond issue of the Waterford Irrigation District have been received by the directors and have been taken under advisement.

VENTURA, VENTURA CO., CAL.—A San Francisco bank has purchased the \$150,000 county highway bonds, they offering a premium of \$15,975. The sale of the bonds is conditional upon the building of the road from Santa Paula to Ventura.

BRIDGES, DAMS AND HARBOR WORK

SEATTLE, WASH.—Pier, 1 story, steel and corrugated iron. Cost not stated. Engineer, Blackwell & Baker, Northern Bank Bldg., Seattle. Owners, Galbraith, Bacon Co. Location, foot of Wall street. Will cover an area of 138 by 700 feet. Plans being prepared.

VENTURA, VENTURA CO., CAL.—Bridges, 2, reinforced concrete. Cost

not stated. Engineer, County Surveyor Ventura. Owners, Ventura County. Bids will be received by the Board of Supervisors up to 2 p. m. of November 27th for the construction of two reinforced concrete bridges on Johnson road. The work involves the following quantities: 100 cubic yards concrete, 3,060 pounds reinforcing steel, 500 cubic yards earthwork, 216 linear feet guard fence, 14 feet, B. M. timber in bulk, 2 cubic yards grouted boulders, 170 pounds steel in rods and washers.

RICHMOND, CONTRA COSTA CO., CAL.—Harbor extension, \$55,000. Engineers, Haviland & Tibbets, Alaska Commercial Bldg., S. F. Owners, City of Richmond. Plans have been completed for additional work in connection with the Richmond inner harbor project, and the City Council will shortly call for bids. This work consists of a clay and rock fill of approximately 1500 feet, and suction dredger work.

CHURCHES.

Contracts Awarded

SANTA CLARA, SANTA CLARA CO., CAL.—Convent, 2 story and base, brick and frame, \$102,700. Architects, Maginnis & Walsh, Boston. Owners, Carmelite Sisters. Contractors, Larsen-Sampson Co., Crocker Bldg., S. F. Contract price, \$102,700.

COURT HOUSES.

Contracts Awarded.

SAN RAFAEL, MARIN CO., CAL.—Court house heating, \$675. Architect none. Owners, Marin County. Contractors, Jarvis Co., 275 Connecticut street, S. F. Contract price, \$675.

VAN NUYS, LOS ANGELES CO., CAL.—City hall, 2 story and base, brick, \$24,100. Architect, J. J. Backus, L. A. Owners, City of Los Angeles. Contractors, The Wilsey Co., Black Bldg., L. A. Contract price, \$24,000.

FACTORIES AND WAREHOUSES

EMERYVILLE, ALAMEDA CO., CAL.—Factory, 1 story, brick, \$10,000. Architects, Richardson & Burrill, Albany Bldg., Oakland. Owner, J. A. Muller. Will cover a considerable ground area. Plans complete and owner taking figures.

OAKLAND, CAL.—Machine shop, 1 story, brick, \$6,000. Architect Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. Location, Broadway near 29th street. Will cover an area of 45 by 120 feet. Plans being prepared.

REDDING, SHASTA CO., CAL.—Laundry, 1 story and base, reinforced concrete, \$15,000. Architect, C. C. Dakin. Redding. Owners, William H. Bergh and I. J. Johnson. Location, Placer and Railroad avenue. Will cover an area of 40 by 80 feet. Plans nearly complete and figures to be taken shortly.

LOS ANGELES, CAL.—Factory, 2 story and base, brick. Cost not stated.

Architect, Richard D. King, Van Nuyes Bldg., L. A. Owners, R. W. Pridham Co. Location, North Alameda street near Naud Junction. Will cover an area of 200 by 300 feet. Plans complete and figures being taken.

FIRE HOUSES AND JAILS

SAN RAFAEL, MARIN CO., CAL.—Fire house, 1 story, frame and concrete, \$12,000. Architects, Maston & Lobet, San Rafael. Owners, City of San Rafael. Will contain apparatus room and living quarters. Plans being prepared.

FLATS

SAN FRANCISCO—Flat alterations, cost not stated. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, F. Kinslow. Location, 1850 Clay street. Work will consist of new entrance vestibule, marble and tile work and electric work. Plans complete and figures being taken.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$5,000 each. Architect, none. Owner, H. C. Keenan, 200 Webster street, S. F. Location, west 18th avenue north Ana. Each building will contain two modern flats and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner, Mrs. Nichols. Location, north Polson court between 6th and 7th streets. Will contain store on first floor and a live-room flat above. Plans complete and figures being taken.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$6,700 each. Architect, none. Owner, W. W. Rednall, 500 Filbert street, S. F. Location, east Baker, south Filbert, covering an area of 25 by 60 feet. Each building will contain two flats of five and six rooms and basement garage. Plans complete and work to be done by Day Labor.

GOVERNMENT WORK & SUPPLIES

Portland, Ore., Mechanical Equipment.

As previously reported, the contract for installing mechanical equipment in the U. S. post office at Portland, Ore., was awarded to J. F. Shea, Portland, Ore., \$76,138. Time to complete, 22 months. In the prosecution of the work, fixtures and material manufactured by the following firms will be used: Plumbing fixtures, Federal-Huber Co.; centrifugal drainage pump, Leomans Brothers; motors for drainage pumps, Westinghouse; motor for rheostat, do; cellar drainer, Penberthy; thermostat traps, C. A. Dunham Co.; oil burning apparatus, Fess System; radiators, U. S. Radiator Corporation; air exhausting pump, Consolidated Engineering Co.; radiator valves, Kennedy; air valves for radiators, etc., C. A. Dunham Co.; air valves for fan coils, do; Buffalo Forge Co.; fan motor, Westinghouse Electric & Mfg. Co.; fan motor rheostat, do; air washer, Carrier Air Conditioning Co.; air washer pump, Buffalo Steam Pump Co.; air washer pump motor rheostat, do; air valves for steam mains, C. A. Dunham; exhaust fan, (heating), Buffalo Forge Co.; exhaust fan motor Westinghouse; exhaust fan motor rheostat, do; cabinet and tablet, N. E. Page McKenna Co.; conduit, National Metal Molding Co.; rubber covered wire, Simplex; flush switches and switch plates, Hart &

Hegman; plug receptacles, Harvey-Hubbell, Inc.; floor boxes, Steel City Electric Co.

Hilo, H. T., Benches, Etc.

The contract for installing court room benches and routing cases in the U. S. public building at Hilo, H. T., has been awarded to McGuire Cabinet Co., at \$1,206.

Transportation of Coal.

The following bids were received at the bureau of supplies and accounts, Navy Department, Washington, D. C., for the transportation of 1 to 3 cargoes of coal of about 5,000 to 7,000 tons each from Hampton Roads, Va., to the naval coal depots at Tiburon, Cal., San Diego, Cal., or the navy yard, Puget Sound, Wash.:

J. N. Stetson Co., Bourse Building Philadelphia, Pa., 120,000 tons, \$6.60 to Tiburon and San Diego; \$6.90 to Puget Sound.

Hilo, H. T. Chairs.

The contract for installing 85 chairs in the U. S. public building at Hilo, H. T., has been awarded to Wallaceger Mfg. Co., at \$783.30.

Drag Line Excavator.

Abstract of proposals, dragline excavator, 50 ft boom, 7½ c y bucket, caterpillar traction, spec. 331, bids opened at Denver, Colo.:

Bid 1, Bucyrus Company, South Milwaukee, Wis.

2, Lidgerwood Manufacturing Co., Chicago, Ill.

For 1 machine, 2 machines, 3 machines, or 4 machines.

Steam driven, boiler equipped for oil fuel—Bid 1, \$13,325, \$26,650, \$39,975, \$53,300; bid 2, \$16,300, \$32,300, \$48,000, \$63,600.

Steam driven, boiler equipped for semi-lignite coal—Bid 1, \$13,125, \$26,250, \$39,375, \$52,500; bid 2, \$16,200, \$32,100, \$57,700, \$63,200.

Distillate driven—Bid 1, \$15,000, \$30,000, \$45,000, \$60,000; bid 2, \$16,900, \$33,500, \$49,800, \$66,000.

Gasoline driven—Bid 1, \$14,950, \$29,900, \$44,850, \$59,800; bid 2, \$16,900, \$33,200, \$49,800, \$66,000.

Kerosene driven—Bid 1, \$15,000, \$30,000, \$45,000, \$60,000; bid 2, \$16,900, \$33,500, \$49,800, \$66,000.

1½ k. w. steam driven electric generator set—Bid 1, (A), \$215, (B), \$245; bid 2, \$325.

1½ k. w. electric generator, internal combustion driven (separate), or main engine connection with storage battery—Bid 1, (C), \$310, (D), \$450, (E), \$365, (F), \$550; bid 2, \$350.

Erecting engineer—Bid 1, \$7 per day and expenses; bid 2, \$7 per day and expenses.

SAN FRANCISCO, CAL.—The Constructing Quartermaster at Fort Mason has been instructed by the Attorney General at Washington to reject all bids received for the improvement to the Lobos Creek water supply. The Attorney General has refused to accept the title to certain lands involved in the project and which were sold to the Government by the Spring Valley Water Co. New bids will be called for when the title has been cleared.

The Angel Island rock quarry is to be put in operation with civilian labor, and about 14,000 is available for

bed conveyor at the bunding.

Plans are complete and will shortly be called for chances to be made in the road system at Fort Miley. A contract for compressors, receivers, and rock drills to be used at Fort Baker Tunnel has been awarded to the Dennis Rock Drill Co. Work on the tunnel has been started.

BECKLEY, SOLANO CO., CAL.—Storage building, 2 story, reinforced concrete, \$26,000. Architect, Chester H. Miller, First National Bank Bldg., Oakland. Owners, United States Government. Will cover an area of 90 by 150 feet. Plans complete and figures being taken.

HALLS AND SOCIETY BUILDINGS.

FRESNO, FRESNO CO., CAL.—Lodge hall, 3 story and base, Class A construction, \$100,000. Architect, Carl Werner, Phelan Bldg., S. F. Owners, Scottish Rite Hall Association. Location, Merced and Van Ness avenue, covering an area of 150 by 150 feet. Preliminary plans approved. Working drawings being prepared. Work to start early in the spring.

VISALIA, TULARE CO., CAL.—Lodge hall, 3 story and base, Class C construction, \$55,000. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, Visalia Elks' Hall Association. Location, west Main and Locust streets. Will contain lodge rooms, social halls, library and auditorium. Plans complete, figures in and contract to be awarded shortly.

HOSPITALS

FRESNO, FRESNO CO., CAL.—Hospital alterations, frame and concrete, \$63,850. Architects, Glass & Butler, Rowell Bldg., Fresno. Owners, Fresno County. Bids were opened by the Supervisors Wednesday, November 8th, for the proposed alterations of the Fresno County Hospital. There were six bidders. The lowest bidder was Manning Bros. of Fresno, who submitted a figure of \$63,850. The Supervisors have taken the matter under advisement and it is expected that the board will announce its decision shortly. Construction will be of brick and frame. The bidders and their figures follow: Manning Bros., \$63,850; James L. Daly, \$75,000; Johnson Bros., \$74,800; Trowhitt-Shields Co., \$72,000; R. Pedersen & Co., \$69,890; Emmett Riggs, \$74,100.

SAN FRANCISCO—Hospital disinfecter. Cost not stated. Engineer, none. Owners, City and County of San Francisco. The Board of Public Works has approved specifications for a disinfecter for the northeast wing of the San Francisco Hospital, and have ordered bids received up to November 15th.

OAKLAND, CAL.—Hospital cottages, frame and concrete, \$106,000. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. The Alameda County Board of Supervisors has rejected all figures for the construction of the six buildings to be erected at the Alameda County Tuberculosis Hospital near Livermore. This action was taken on the advice of the District Attorney, after the bid of W. G. Thornally had been given consideration. Thornally's bid was not the lowest received, but was considered by the Su-

pervisors to be more comprehensive than the lower figure.

Contracts Awarded.

OAKLAND, CAL.—Hospital ward and addition, 2 story, brick and concrete. \$21,000. Architect, Charles Peter Weeks. Phelan Bldg., S. F. Owners, Alameda County. Contractor, R. W. Littlefield, 565 16th street, Oakland. Contract price, \$21,000.

ROTELS

ALAMEDA, ALAMEDA CO., CAL.—Hotel alterations, 2 story, frame, \$3,000. Architect, none. Owner, L. M. Works, 3021 Telegraph avenue Oakland. Location, Webster and Tunnel road. Work will consist of interior trim, painting, plastering, electric work and plumbing. Plans complete and work to be done by Day Labor.

IRRIGATION PROJECTS

SAN JOSE, SANTA CLARA CO., CAL.—Drainage district, \$12,000. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Two bids were received by the Santa Clara County Supervisors at their last meeting for the construction of the Foxworthy Drainage District in Supervisor District No. 4. The Surveyor's estimate was \$12,000. The Raichs Improvement Co., 1108 Crocker Bldg., S. F., submitted a bid of \$11,790, and John F. Adams, 968 Martin street, San Jose, at \$11,897. The bid of the Raichs Improvement Co. was taken under advisement.

EMMETT, IDAHO Drainage district, \$111,665. Engineer, Chief Engineer, Emmett Drainage District. Nancy Bros. of Boise, Idaho, submitted the lowest bid to the Emmett Drainage District, S. W. Nusbaum, Secretary, for the construction of drainage work for the district at \$111,665.

MODESTO, STANISLAUS CO., CAL.—Irrigation work. Cost not stated. Engineer, Chief Engineer Hermann, Modesto Irrigation District. Bids will be opened on November 25th by the Board of Directors of the Modesto Irrigation District for separate proposals for each of the following described pieces of construction work, to wit: First, for the construction of a concrete lining in the Main canal of the Modesto Irrigation District, beginning at the end of the concrete lined section below Upper Dominice Hill. Second, for the construction of two reinforced concrete structures in Lateral No. 3 of the Modesto Irrigation District.

MODESTO, STANISLAUS CO., CAL.—Irrigation work. Cost not stated. Engineer, Hermann, Modesto. Owners, Modesto Irrigation District. At the last meeting of the Board of Directors of the Modesto Irrigation District Chief Engineer Hermann was instructed to prepare plans and specifications for three concrete drops in Lateral No. 4.

Contracts Awarded.

MODESTO, STANISLAUS CO., CAL.—Canal lining, \$5,584.80. Engineer, Hermann, Modesto. Owners, Modesto Irrigation District. Contractor, James Willson, Redding. Contract price, \$5,584.80.

POWER PLANTS AND WATER SYSTEMS.

SAN RAFAEL, MARIN CO., CAL.—Water tunnel, \$250,000. Engineer, A. R. Baker, 824 4th street, San Rafael.

Owners, Marin Municipal Water District. Bids will be opened on November 21st for constructing 8,700 feet of tunnel 8 feet in diameter with 6-inch concrete lining.

Contracts Awarded

SAN FRANCISCO—Copper wire, \$20,500. Engineer, City Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractors, John A. Roebeling Sons, S. F. Contract price, \$20,500.

RESIDENCES

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, P. W. Montrouil, 270 Anderson street, S. F. Location, southwest Maynard and Craut streets. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, A. R. Iapham, 511 12th avenue, S. F. Location, southeast Balboa and 11th avenue, S. F. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1 story and base, frame, \$2,900. Architect, none. Owner, E. J. Spence, 537 25th avenue, S. F. Location, east 26th avenue north Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1 story and base, frame, \$12,500. Architect, Henry H. Gutterson, 278 Post street, S. F. Owners, St. Francis Home Building Co. Location, St. Francis Boulevard west San Fernando street. Will contain ten rooms, three baths and sleeping porch. Separate garage. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, J. Muldoon, 2417 Blake street, Berkeley. Location, southwest Gaskill and Aileen. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, J. Muldoon, 2417 Blake street, Berkeley. Location, southwest Gaskill and Aileen. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, J. F. Chambers, Plaza Bldg., Oakland. Location, north Brookdale west Lila. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$2,500. Architect, none. Owner, Justus Norris, 2828 Richmond avenue, Oakland. Location, 29th avenue and Richmond. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, E. A. Jansen, 146 Schrader street, S. F. Location, north Beverly Place east Monterey. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owners, United Home Builders, 1527 Broadway, Oakland. Location, south Portsmouth road south Wildwood. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, F. N. Fabing, 3515 13th avenue, Oakland. Location north Hempel west Park Boulevard. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, G. Taylor, 96 Pearl street, Oakland. Location northeast 15th avenue and East 17th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, N. Z. Roem, 1135 Grand avenue, Oakland. Location, south Monte Vista west Grand avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, P. M. Hanser, 840 56th street, Oakland. Location, south Spring east Adeline. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architects, Schirmer & Bugbee, Dalziel Bldg., Oakland. Owner, Judge William R. Geary. Location, Lakeshore avenue. Will contain eight rooms, two baths and sleeping porch. Separate garage. Plans being prepared.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, George Mohr, 2055 University avenue, Berkeley. Location, south San Carlos street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, Jack Mayera. Location, Yosemite Terrace. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

RIPON, SAN JOAQUIN CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, Mr. Leffler. Location, Ripon Ranch. Will contain five rooms, bath and sleeping porch. A tank house and mill is also included in the plans. Plans are being prepared.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$2,500 each. Architect A. W. Permento, 21 Belcher street, S. F. Owners, Lazar Aydukovich Co. Location, west 21st avenue north Cabrillo. Each dwelling will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$4,000 each. Architects, Heiman & Schwartz, Nevada Bank Bldg., S. F. Owner's name not given. Location, 20th avenue and Balboa street. Each house will contain

seven rooms, bath and basement garage. Plans complete and figures being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, E. A. Janssen, Hearst Bldg., S. F. Location, north Beverly west Monterey. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owners, Hart and Bewald, 816 Mono avenue, Fresno. Location, East Fresno. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

HOLLYWOOD, LOS ANGELES CO., CAL.—Residence, 2 story and base, frame, and concrete. Cost not stated. Architects, Montgomery & Montgomery, McRitt Bldg., L. A. Owner's name withheld. Will contain ten rooms, three baths and conservatory. Separate garage and servants' quarters. Plans complete and figures being taken.

SAN FRANCISCO—Residence, 2, 1 story and base, frame, \$3,000 each. Architects, Antonovich & Harris, 20 Montgomery street, S. F. Owners, E. P. Antonovich and Harvey E. Harris. Location, 40th avenue near Geary. Each dwelling will contain six rooms and bath. Separate garages. Plans being prepared and work to be done by Day Labor.

SCHOOLS

BERKELEY, ALAMEDA CO., CAL.—School, 1 and 2 story, frame and concrete. Cost not stated. Architect, William C. Hays, First National Bank Bldg., S. F. Owners, Pacific Unitarian School. Location, Dana and Alston Way. Preliminary plans revised. Funds in the amount of \$15,000 available for construction, but bids not to be called for until additional funds have been secured.

BERKELEY, ALAMEDA CO., CAL.—Student building, 4 story and base. Class A construction. Cost not stated. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. Will contain 25,000 square feet of floor space. Plans complete and work to be started in February.

LAS VEGAS, NEV.—School, 1 story, brick, \$38,000. Architects, C. Lewis Wilson Co., Black Bldg., L. A. Owners, Clark County Board of Education. Will contain four class rooms, gymnasium and an auditorium. Plans being prepared.

ASTORIA, ORE.—School, 2 story and base, brick and concrete, \$100,000. Architects, Whitehouse & Foulhoux, Board of Trade Bldg., Portland. Owners, City of Astoria. Will contain 12 class rooms, auditorium, library and departments of domestic science and manual training. Plans complete and figures being taken.

ALAMEDA, ALAMEDA CO., CAL.—School, 2 story and base, brick and concrete, \$60,000. Architects, Cunningham & Politte, First National Bank Bldg., S. F. Owners, City of Alameda. A large number of figures were received on November 7th for the construction of this building, and all have been taken under advisement. A complete list of the bids will be found

under the heading of Bids Opened in this issue.

RICHMOND, CONTRA COSTA CO., CAL.—School addition, 2 story, brick, \$29,000. Architect, James T. Narbett, 916 Macdonald avenue, Richmond. Owners, City of Richmond. Bids will be opened on December 4th for an addition to the Union High School. Plans can be secured from the architect.

COLUSA, COLUSA CO., CAL.—School, 2 story and base, brick and concrete, \$60,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Colusa. Working drawings have been completed and bids will be called for as soon as bonds can be sold.

Contracts Awarded.

WATSONVILLE, SANTA CRUZ CO., CAL.—School, 2 story and base, brick and concrete, \$75,191. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Watsonville Union High School District. Contractor, Robert Trost, 26th and Howard streets, S. F. general construction, \$75,191. Turner Co., 272 Natomas street, S. F., plumbing, \$5,100. Heating ventilating and program clocks taken under advisement. A complete list of these bids will be found under the heading of Bids Opened in this issue.

SEWERS, STREET WORK & WATER SYSTEMS

DALY CITY, SAN MATEO CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Daly City. Owners, Daly City. Bids will be opened on November 27th at 8 p. m. for street improvements authorized under the following resolutions: That Alpha avenue, Beta avenue, Como avenue, Lake avenue and Gambetta avenue be graded between the property lines and from the east line of Mission road to the east boundary line of Vista Grande Tract No. 2 and Vista Grande Tract No. 3; also Mission road be graded between the east curb line and the east property line thereof, and from a line 115.31 feet south of the south line of Gambetta avenue, produced, to a line 205.75 feet north from the north line of Alpha avenue.

Also that a 4-inch, vitrified, salt-glazed, ironstone pipe lateral sewer, 1½" cement concrete sidewalks, and combined cement concrete gutters 11 inches wide, and armored concrete curbs be constructed, and as asphaltic concrete pavement consisting of a 4-inch cement concrete base and 1½-inch asphaltic concrete surface be constructed in the roadway, etc.

OAKLAND, CAL.—Sewer construction. Cost not stated. Engineer, County Surveyor, Oakland. Owners, Alameda County. Bids will be opened on November 27th for the construction of a storm sewer along Spruce street, Rose street and Walnut street in Ocean View Road District and the City of Berkeley.

LODI, SAN JOAQUIN CO., CAL.—Sewer pipe. Cost not stated. Engineer, City Engineer, Lodi. Owners, City of Lodi. Bids for furnishing 7,000 feet of salt-glazed, vitrified pipe were received by the City Trustees at their last meeting from the following firms: Fladding-McBean Co., Crocker Bldg., S. F.; John W. Hieb of Lodi, and the Capital Sewer Pipe Works of Sacramento. The bid of Hieb and the Sacramento firm were the same and the award of

contract will be made to the firm submitting the best quality of material.

STOCKTON, SAN JOAQUIN CO., CAL.—Sewer construction pumping station, etc. Cost as follows. Engineer, City Engineer, Stockton. Owners, City of Stockton. The City Council at its last meeting opened the following bids: For a concrete storm sewer 32 inches in diameter from 5th and McKinley avenue to the McElmound Canal. The City Engineer estimated the work at \$8,596.10, and the lowest bid came from the firm of Whitlock & Gorrell, \$9,241.10. The other bids were by W. S. Gauze, \$12,091.28; M. Blumenkranz, \$9,671. Chambers & Healey, \$11,267.10. For a cast iron siphon under Smith Canal there was but one bid received, Chambers & Healey submitted a figure of \$6,311.90. The estimate of the City Engineer was \$2,559.92. For the installation of a pumping station at Yosemite Lake, L. F. Youldall submitted a bid of \$1,800. The Fairbanks-Morse firm of San Francisco, submitted five bids, based on various plans and ranging from \$5,905 to \$6,200. All bids were taken under advisement.

YUBA CITY, YUTTER CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer L. M. Bruce, Yuba City. Owners, Yuba City. Bids will be opened on November 17th for the construction of storm sewers as follows: About 1,250 feet of 10-inch; 80 feet of 8-inch, 50 feet of 6-inch with suitable appurtenances. Also for the construction of one block of macadamized street on Plumas street from the south line of Bridge street to the north line of B street.

MARTINEZ, CONTRA COSTA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer Arnold, Martinez. Owners, City of Martinez. Bids will be opened on November 24th for street improvements authorized under the following resolution: That cement sidewalks be constructed on both sides of Escobar street, between the easterly line of Pine street, in the town of Martinez, easterly to the westerly line of that portion of Escobar street.

SAN RAFAEL, MARIN CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. At the last meeting of the San Rafael City Council, Baker & Martin, who accepted the contract to macadamize West End avenue, West street, East street, Jessup street and Hart street, sent a resolution from their attorney asking the Council to rescind the motion granting them the contract for the improvement on said streets, on the ground that the proposition was irregular. The Council investigated the matter and rescinded the contract. The mistake appearing was unavoidable as the City Attorney had attended to the legal matters all right, but in some manner the resolution of street work included a notice to erect a concrete wall.

Contracts Awarded.

SAN FRANCISCO—Street improvement. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The improvement of Railroad avenue, from Ingerson avenue to the easterly line of San Bruno avenue, by the construction of granite curbs; a basalt block pavement on a concrete foundation and by the construction of basalt block gutters on the roadway thereof.

Awarded to G. M. McGinn & Co., Pheasant Bldg., S. F., for \$44,546.58.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That Crocker avenue from Leland Stanford avenue to Willi avenue, be improved by constructing 8 and 10-inch, vitrified, ironstone pipe sewer. That Rudin avenue be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from the center line of Crocker avenue to a point 200 feet westerly therefrom. That the street between Rudin avenue and Willi avenue, known as Tempest avenue, be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from the center line of Crocker avenue to a point 70 feet westerly from the center line of Stillson avenue. That Willi avenue be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from the center line of Crocker avenue to a point 420 feet westerly therefrom. That Stillson avenue, in the city of Sacramento, be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from the sewer in place on Leland Stanford avenue to Tempest avenue; constructing seven concrete manholes complete with cast iron curbs and covers; placing 73 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and three 6-inch, vitrified, ironstone Y branches on 10-inch pipe sewer. Awarded to J. W. Terrell, 1111 24th street, Sacramento.

That the alley between First avenue and Second avenue, from Freeport road to 24th street, in West Curtis Oaks, be improved by constructing an 8-inch, vitrified, ironstone pipe sewer, constructing two concrete manholes; placing 58 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer, and doing all necessary excavating and backfilling of trenches. Awarded to Joe Lawrence, Broderick, Cal.

That the alley between Second avenue and Third avenue, in Curtis Oaks, from Fair Oaks street to Lower Stockton road, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer, two concrete manholes; placing twenty 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and doing all necessary excavating and backfilling of trenches. Awarded to J. W. Terrell, 1111 24th street, Sacramento.

That E street, from 23rd street to 25th street, be improved by grading the space between the property line and curb, constructing concrete sidewalks 6 feet in width and 3½ inches thick. Awarded to A. Olson, 2724 1st avenue, Sacramento.

The City Commissioners have awarded a contract to the McGilivray Construction Co., 717 Capitol National Bank Building, Sacramento, for the following work: That the alley between R and S streets, from Third street, be improved by constructing two concrete catch basins complete; reconstructing one concrete manhole; placing fourteen linear feet of 6-inch, vitrified, ironstone sewer pipe drain; grading the alley and constructing thereon an asphaltic macadam pavement 5 inches thick.

FRESNO, FRESNO CO., CAL.—Electrifier system, \$9,575. Engineer, City

Engineer, Fresno. Owners, City of Fresno. Contractors, Lewis Electric Co., 1916 Fresno street, Fresno. Contract price, \$9,575.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts for street work have been awarded as follows: The improvement of Mangels avenue, from Hamburg street to Genesee street, by the construction of concrete curbs, five brick catch basins, 10-inch, vitrified, salt-glazed, ironstone pipe culverts, an 8-inch, vitrified, salt-glazed, ironstone pipe sewer, a 14-foot central strip of vitrified brick pavement, a basalt block pavement on sand with gravel filler and basalt block gutters and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway thereof. Awarded to The Federal Construction Co., 323 Sharon Bldg., for \$5,357.13.

The improvement of 47th avenue, between Lincoln Way and Irving street, by the construction of concrete curbs, artificial stone sidewalks 6 feet wide and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Owen McHugh, 304 Russ Bldg., S. F., for \$8,048.

The improvement of Elsie street, between Gosc avenue and Esmeralda avenue, by grading and by the construction of concrete curbs. Awarded to The Tibbitts-Pacific Co., 16 California St., S. F., for \$7,982.60.

DELANO, KERN CO., CAL.—Sidewalk construction. Cost not stated. Engineer, City Engineer, Delano. Owners, City of Delano. Contractor, Lynn S. Atkinson, Los Angeles. Contract covers the construction of five miles of concrete sidewalks.

FOWLER, FRESNO CO., CAL.—Highway work, \$5,100. Engineer, City Engineer, Fowler. Owners, City of Fowler. Contractors, Corfield & Davis, Bakersfield. Contract price, \$8,100.

FRESNO, FRESNO CO., CAL.—Cement. Cost as follows. Engineer, County Surveyor, Fresno. Owners, Fresno County. Contractors, Fowler Lumber Co., Fowler. Contract price, 1,890 barrels at \$2.84 per barrel.

LOS ANGELES, CAL.—Street improvements, \$19,812.67. Engineer, City Engineer, L. A. Owners, City of Los Angeles. Contractors, California-Arizona Construction Co., 1700 East Washington street, L. A. Contract price, \$19,812.67.

STORES AND OFFICES

HILLSBOROUGH, SAN MATEO CO., CAL.—Telephone exchange, 1 story, concrete, \$10,000. Architects, Howard & White, Lick Bldg., S. F. Owners, Pacific Telephone and Telegraph Co. Will contain main office, operating room and private office. Plans complete and figures being taken.

Contracts Awarded.

BAKERSFIELD, KERN CO., CAL.—Offices, 1 story, brick. Cost not stated. Architect, Thomas R. Wiseman, Producers' Bank Bldg., Bakersfield. Owner, S. L. Mack. Contractors, Currie & Dulger, Bakersfield. Contract price, \$10,000.

SEALED PROPOSALS

PROPOSALS FOR Q. M. SUPPLIES.

SAN FRANCISCO—U. S. M. SCHEDULE 116—Office of the Depot Quartermaster, U. S. Army, Fort Mason, San Francisco, Cal.—Sealed proposals will be received until **November 23, 1916**, under schedule 116 for furnishing 200 pounds asbestos, 12 tube brushes, 35 barrels of sand, 20 dozen drill bits, 1,000 counterpanes, 258 manure forks, 810 gallons enamel paint, 185 pounds black, blue and brown iron, 300 dozen cooking spoons, 125 iron rivets, 1,300 silver spoons, 300 calendars, 100 pounds tacks and 3,500 towels. For further information address JOHN T. KNIGHT, colonel, quartermaster corps, depot quartermaster.

PROPOSALS FOR NEEDLE VALVES.

NEEDLE VALVES—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until **2 o'clock p. m., December 12, 1916**, for furnishing needle valves for the north tunnel of the Roosevelt Dam, Salt River project, Arizona. For particulars address the United States Reclamation Service, Washington, D. C., or Denver, Colo. MORRIS BIEN, acting director.

PROPOSALS FOR TIMBER WHARF.

TIMBER WHARF—Office of the Quartermaster, U. S. Army, Fort Morgan, Ala.—Sealed proposals will be received here until **November 17, 1916**, at **6 p. m.** for the construction of a timber wharf. For further information address Lieutenant F. E. GROSS, coast artillery corps, assistant quartermaster.

PROPOSALS FOR HEATING.

HEATING—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at **3 p. m., November 24, 1916**, for a new system of conduit and wiring and a new heating system in the United States assay office at Boise, Idaho, in accordance with drawings and specification, copies of which may be had at this office or at the office of the custodian, Boise, Idaho, in the discretion of the supervising architect. JAMES A. WETMORE, acting supervising architect.

PROPOSALS FOR CRANE.

CRANE—Sealed proposals indorsed indorsed "Proposals for Locomotive Crane" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m., November 2, 1916**, and then and there publicly opened, for a locomotive crane of 20 gross tons capacity at the naval station, Pearl Harbor, T. H. Plan and specification can be obtained on application to the bureau or to the commanding officer of station named. P. R. HARRIS, chief of bureau.

PROPOSALS FOR LEVEE WORK.

LEVEE WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Mills Building, El Paso, Tex., until **2 o'clock p. m., November 2, 1916**, for canal excavation involving 185,000 cubic yards and levee construction involving 29,000 cubic yards. For particulars address United States Reclamation Service, El Paso, Tex.; Denver, Colo., or Washington, D. C. MORRIS BIEN, acting director.

PROPOSALS FOR SEWER WORK.

SEWER—Fort Worden, Wash.—Sealed proposals, in triplicate, for constructing outlet at Fort Flagler, Wash., will be received here until **November 17, 1916**, and then publicly opened. Information upon application to constructing quartermaster.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until **November 13, 1916**, for dredging at the naval coal depot (California City Point), Tiburon, Cal. Plans and specifications may be obtained on application to the Bureau of Yards and Docks, or to the commandant of the navy yard, Mare Island, Cal. (2).

PROPOSALS FOR BUILDING.

BUILDING—Treasury Department, U. S. Coast Guard, Washington, D. C.—Sealed proposals will be received at this office until **2 o'clock p. m. of Monday, December 4, 1916**, and then publicly opened, for constructing a Coast Guard station and accessories on the Siuslaw River, Ore. Specifications and drawings in form of proposal, etc., and full information can be obtained upon application to the superintendent, thirtieth district, Coast Guard, San Francisco, Cal., or to this office. E. P. BERTHOLF, captain commandant.

PROPOSALS FOR DREDGING.

DREDGING—Sealed proposals indorsed "Proposals for Dredging" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. November 13, 1916**, and then publicly opened, for dredging at the naval coal depot (California City Point), Tiburon, Cal. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard, Mare Island, Cal. E. R. HARRIS, chief of bureau.

CONFERENCE OF FIRE TESTS OF WALLS AND PARTITIONS.

A conference has been held at the United States Bureau of Standards by representatives of various technical associations for the purpose of drawing up a comprehensive program of fire tests for building walls and partitions. Those who participated gave their attention to metal-lath-and-plaster, stucco, gypsum, hollow tile, brick, and concrete partitions and walls.

Many important details governing these tests were considered, such as types and dimensions of partitions to be tested, the temperature to which the partitions are to be exposed, the time of exposure to fire, the water test to which the heated partitions should be subjected, etc.

Participating in the conference were representatives of the American Institute of Architects, the American Society for Testing Materials, the National Board of Fire Underwriters, the Associated Metal Lath Manufacturers, the Gypsum Industries Association, the National Brick Manufacturers Association, the Association of American Portland Cement Manufacturers, and the Fire Underwriters' Laboratories. Other associations represented on the advisory committee for these tests are: The American Concrete Institute, the National Fire Protection Association, and the National Lime Manufacturers Association.

The fire tests outlined by the committee in co-operation with the representatives of the Bureau of Standards are to be carried out with the panel furnace recently installed by the bureau. It is the largest and most complete plant for such work ever built. It is confidently believed by the committee that these fire tests will have an important bearing on all fire-resistive building construction.

HOO-HOO LUNCHEON FOR NOV. 10.

The first of a series of get-together Hoo-hoo luncheons (Dutch treat) will be held at the Hotel Oakland, Oakland, Cal., on Friday, November 10, 1916, at 12:15 P. M., sharp.

The inducements are: (1) a good luncheon; (2) the pleasure of meeting old comrades and making new friends; (3) the joy of helping keep California in the front rank of Hoo-Hoo and making 1917 a banner year for the Order.

Bring a friend, who is eligible to membership, if you wish.

Forget dull care for just one hour,
Don't let your sunny nature sour;
Forget the redwood, fir and pine,
And come on in, the water's fine.
Fraternally yours,
G. A. BUELL, V. S.,
Central District of California.

A TRIBUTE TO BUTTNOLATH.

The following endorsement of Buttonlath by Architect G. Albert Lansburgh speaks mightily well for this product. Here is what he says:

San Francisco, October 18th, 1916.
Pacific Portland Cement Co., Consolidated.
Attention of Buttonlath Department, Pacific Building,
San Francisco, California.
Gentlemen—

As one of the first users of Buttonlath in this part of the country I am gratified to state that the results have been more than satisfactory, and I am very glad that the so-called chancers all the enemies of Buttonlath told me I was taking, have proven quite a successful fable. I am continuing to use Buttonlath, and have just let the contract for a considerable amount of this material to be employed in the Mt. Zion Clinic. You can refer anyone to me with impunity, and I will be very glad to do what I can for the furtherance of this material.

Yours very respectfully,
G. ALBERT LANSBURGH.

AUSTRALIAN MARKETS FOR AMERICAN HARDWARE.

The Australian demand for high-grade hardware favors the sale of American products of that class, according to a report prepared by Commercial Attache William C. Downs, and published by the Bureau of Foreign and Domestic Commerce. The writer lays particular stress upon the size of the hardware market in Australia, in proportion to the population, and upon the fact that it is one of the few markets in the world where hardware other than English and American has never been an important factor.

Mr. Downs states that Japanese rivalry has developed during the present war. In explanation of the present conditions he says:

The exclusion of many makes of European goods from the Australian markets and other eastern countries has stimulated the Japanese to great activity in an endeavor to capture the trade thus thrown open. Whether it will be able to develop its production of tools and general hardware of the cheaper classes to a point that will satisfy the British tastes and requirements of Australia remains to be seen, but it is to be expected that a certain amount of trade will go to Japan. While this new competition may not seriously affect American trade in articles already well introduced, it may tend to limit expansion in the sale of

lines of goods not largely exported in the past from the United States.

Articles known as "tools of trade" are purchased in large quantities from America despite a natural preference for British products, and even during normal times American trade in this line showed a tendency to increase. In 1909 American sales of such tools amounted to 10 per cent of the total, while in 1913 the proportion was 45 per cent. In most lines, however, England gets the cream of the business. Close attention to details of the trade and increased activity at this time will accomplish much, the report states.

The report for Australia is the second of a series which is to cover the hardware markets of the whole world. The work is done by hardware experts in each country under the direction of the American commercial attaches. In addition to advice as to credit terms, packing, systems of conducting trade, etc., each line of hardware is taken up and fully discussed. "Australian Markets for American Hardware," Miscellaneous Series No. 42, contains 105 pages, and may be purchased for the nominal sum of 10 cents from the Superintendent of Documents, Washington, D. C., or from the district offices of the Bureau of Foreign and Domestic Commerce.

**WIZARD MFG. CO
HAS NEW HANGER.**

Newly Patented Door Hanger Promises to Be Big Feature in Co.'s Export Business.

The Wizard Manufacturing Co., 147 New Montgomery St., has just marketed a new patent parlor door hanger of an original and extremely simple design, which they call The Common Sense Door Hanger. Manager M. Claussen tells us that his company has found by actual practice that this door hanger so far excels the ordinary hanger now on the market, that they have fitted up a portion of their factory specially for the manufacture of the hangers and have commenced the manufacture of them in such huge quantities that they will be able to establish agencies for their distribution throughout the entire United States. The company, which has representatives in South America, Java, China and several in Europe, and intend to go strongly after the export business. Mr. Claussen reports they expect to be as successful with the export of the door hanger as they are with the other articles they manufacture.

This hanger is fitted to the door without any plate or screws whatsoever on top of the door. It is being simply necessary to bore a 5/8-inch hole through the corner of the door and drop in the bolt-like end of the hanger. It is surely simple enough and easy to install. A particular feature of this hanger is the convenience of adjusting it, should it ever become necessary after the doors are in operation.

An illustration of the new hanger appears in the advertisement of The Wizard Mfg. Co. in this issue.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

GOVERNMENT WORK—The Constructing Quartermaster at Fort Mason has been instructed by the Attorney General at Washington to reject all bids received for the improvements to the Lobos Creek water supply. The Attorney General has refused to accept the title to certain lands involved in the project, and which were sold to the Government by the Spring Valley Water Co. New bids will be called for when the title has been cleared.

The Angel Island rock quarry is to be put in operation with civilian labor, and about \$14,000 is available for wages and the installation of a new belt conveyor at the bunkers.

Plans are complete and bids will shortly be called for changes to be made in the road system at Fort Miley.

A contract for compressors, receivers and rock drills to be used at the Fort Baker Tunnel has been awarded to the Dennis Rock Drill Co. Work on the tunnel has been started.

HOSPITAL DISINFECTOR—Cost not stated. San Francisco, Engineer, none. Owners, City and County of San Francisco. The Board of Public Works has approved specifications for a disinfecter for the northeast wing of the San Francisco hospital, and have ordered bids received up to November 15th.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco, Architect, none. Owner, F. W. Montroil, 270 Andover street, S. F. Location, southwest Maynard and Craut streets. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco, Architect, none. Owner, A. R. Lapham, 511 12th avenue, S. F. Location, southeast Balboa and 11th avenue, S. F. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,900. San Francisco, Architect, none. Owner, E. J. Spence, 537 25th avenue, S. F. Location, east 26th avenue north Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$12,500. San Francisco, Architect, Henry H. Gutterston, 278 Post street, S. F. Owners, St. Francis Home Building Co. Location, St. Francis Boulevard west San Fernando street. Will contain ten rooms, three baths and sleeping porch. Separate garage. Plans complete and figures being taken.

RESIDENCES—4, 2 story and base, frame, \$2,500 each. San Francisco, Architect, A. W. Permento, 21 Belcher street, S. F. Owners, Lazar Aydukovich Co. Location, west 21st avenue north Cabrillo. Each dwelling will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—8, 2 story and base, frame, \$4,000 each. San Francisco, Ar-

chitects, Heiman & Schwartz, Nevada Bank Bldg., S. F. Owner's name not given. Location, 20th avenue and Balboa street. Each house will contain seven rooms, bath and basement garage. Plans complete and figures being taken.

APARTMENT HOUSE—3 story and base, frame, \$27,000. San Francisco, Architect, C. A. Meussdorfer, Humboldt Bank Bldg., S. F. Owners, B. Green and R. Saalfeld. Location, southwest Pacific avenue and Franklin street, covering an area of $4\frac{1}{2}$ by 90 feet. Will contain a number of two, three and four room apartments. Plans complete and segregated figures being taken.

APARTMENT HOUSE—2 story and base, frame, \$32,000. San Francisco, Architect, Edward E. Young, 251 Kearny street, S. F. Owner, IF H. Helbus, 75 Sutter street, S. F. Location, northeast Arguello Boulevard and Euclid avenue, covering an area of 100 by 53 feet. Will contain three, four and five room apartments. Plans complete and work to be done by Day Labor.

DRAINAGE DISTRICT—\$111,665. Emmett, Idaho. Engineer, Chief Engineer, Emmett Drainage District, Maney Bros. of Boise, Idaho, submitted the lowest bid to the Emmett Drainage District, S. W. Nusbaum, Secretary, for the construction of drainage work for the district at \$111,665.

FLATS—2, 2 story and base, frame, \$6,700 each. San Francisco, Architect, none. Owner, W. W. Rednall, 2560 Filbert street, S. F. Location, east Baker street Filbert, covering an area of 25 by 60 feet. Each building will contain two flats of five and six rooms and basement garage. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$5,000. San Francisco, Architects, Foulkes & Hildebrand, Crocker Bldg., S. F. Owner, Mrs. Nichols. Location, north Folsom between 6th and 7th streets. Will contain store on the first floor and a five-room flat above. Plans complete and figures being taken.

FLATS—3, 2 story and base, frame, \$5,000 each. San Francisco, Architect, none. Owner, H. C. Keenan, 300 Webster street, S. F. Location, west 18th avenue north Anza. Each building will contain two modern flats and basement garage. Plans complete and work to be done by Day Labor.

FLAT ALTERATIONS—Cost not stated. San Francisco, Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, P. Kinslow. Location, 1450 Clay street. Work will consist of new entrance vestibule, marble and tile work and electric work. Plans complete and figures being taken.

RESIDENCES—2, 1 story and base, frame, \$3,000 each. San Francisco, Architects, Antonovich & Harris, 20 Montgomery street, S. F. Owners, E. P. Antonovich and Harvey E. Harris. Location, 40th avenue near Geary. Each dwelling will contain six rooms and bath. Separate garages. Plans being prepared and work to be done by Day Labor.

Contracts Awarded.

STREET IMPROVEMENT—Cost as follows. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The improvement of Railroad avenue, from Ingerson avenue to the easterly line of San Bruno avenue, by the construction of granite curbs; a basalt block pavement on a concrete foundation and by the construction of basalt block gutters on the roadway thereof. Awarded to G. M. McGinn & Co., Phelan Bldg., S. F., for \$44,546.58.

APARTMENT HOUSE—3 story and base, frame, \$20,000. San Francisco, Architect, J. F. Dunn, Monadnock Bldg., S. F. Owner's name not given. Contractor, Fred L. Hanson, 709 Mission street, S. F. Contract price, \$20,000.

COPPER WIRE—\$20,500. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contractors, John A. Roebbing Sons, S. F. Contract price, \$20,500.

STREET IMPROVEMENTS—Cost as follows. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts for street work have been awarded as follows: The improvement of Mangels avenue, from Hamburg street to Gesee street, by the construction of concrete curbs, five brick catch basins; 10-inch, vitrified, salt-glazed, ironstone pipe culvert, an 8-inch, vitrified, salt-glazed, ironstone pipe sewer; a fourteen-foot central strip of vitrified, brick pavement, a basalt block pavement on sand with gravel filler, and basalt block gutters and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway thereof. Awarded to the Federal Construction Co., 323 Sharon Bldg., for \$6,357.13.

The improvement of 47th avenue, between Lincoln Way and Irving street, by the construction of concrete curbs, artificial stone sidewalks 6 feet wide and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Owen McHugh, 304 Kuss Bldg., S. F., for \$3,048.

The improvement of Elsie street, between Gose avenue and Esmeralda avenue, by grading and by the construction of concrete curbs. Awarded to The Tibbitts-Pacific Co., 16 California St., S. F., for \$7,982.60.

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Am't.
2223	Rednall	Rednall	6700
2229	Rednall	Rednall	6700
2230	Helbus	Helbus	32000
2231	Ryan	Ryan	400
2232	Mott	Mott	400
2233	Feigenbaum	Segurson	400
2234	Co-Operative Hm Bldg	Owner	5000
2235	Hall	Hall	3000
2236	Halsey	Cobby	3000
2237	Raisch	Cox	3500
2238	Welch	Ross	2185
2239	McCartney	Terrill	5900

3240	Crocker	Crocker	1200
3241	Keenan	Keenan	5000
3242	Keenan	Keenan	5000
3243	Keenan	Keenan	5000
3244	Thunberg	Thunberg	1000
3245	Huyett	Huyett	600
3246	Mower	Persson	400
3247	Bevilacqua	Montanari	550
3248	Montrouil	Montrouil	2500
3249	Natl Carbon	Clinton	21900
3250	Svgs Union	Stand Elec	4594
3251	Westgate Pk	Blanchard	1162
3252	Martin	Sullivan	1350
3253	Martin	McGowan	1350
3254	Yates	Marsden	1000
3255	Schwartz	Schwartz	500
3256	Tsart	Ekkos	100
3257	Guss	Guss	400
3258	St. Francis Bldg.	Owner	12000
3259	Pescia	McGormick	1315

3260	Killimede	Leigh	3000
3261	Spence	Spence	2800
3262	Pauson	Hansen	6000
3263	Rancourt	Vaughn	950
3264	Archbishop	Archbishop	1500
3265	Kern	Kern	1800
3266	Shields	Ace	2650
3267	Lapham	Lapham	3900
3268	Upton	Fauth	3615
3269	Kuhn	Scuzo	35000
3270	Svgs Union	MacGruer	10267
3271	Same	Hinson	3800
3272	Same	Sartorius	11650
3273	Same	Pinkerton	4125
3274	Same	Ann Mosak	4190
3275	Same	Gilson	10897
3276	Otts	Roberts	6670
3277	Wells	Carnahan	8400
3278	Union Iron Wks.	Sampson	157500

FRAME FLATS
(3228) E BAKER 50 S Filbert. Two-story and basement frame flats.
Owner.....W. W. Rednall, 2500 Filbert San Francisco.
Architect...None.
Day's work. COST, \$6700

FRAME FLATS
(3229) E BAKER 25 S Filbert. Two-story and basement frame flats.
Owner.....W. W. Rednall, 2500 Filbert San Francisco.
Architect...None.
Day's work. COST, \$6700

FRAME APARTMENTS
(3230) NE ARGUELLO BOULEVARD and Euclid Ave. Two-story and basement frame (10) apartments.
Owner.....H. H. Helbush, 75 Sutter, San Francisco.
Architect...E. E. Young, 251 Kearny, San Francisco.
Day's work. COST, \$32,000

FOUNDATION, ETC.
(3231) NO. 2231 THIRD. Erect wall and foundation.
Owner.....T. S. Ryan, 19th & 3rd, S. F.
Architect...None.
Day's work. COST, \$400

PERGOLA
(3232) N VALLEJO 27-6 W Broderick. Erect pergola.
Owner.....Ernest J. Mott, Room 346, 74 New Montgomery, S. F.
Architect...Frederick D. Boese, 74 New Montgomery, San Francisco
Day's work. COST, \$400

REPAIRS
(3233) NO. 1415 HAIGHT. Repair fire damage.
Owner.....L. Felgenbaum, 305 Monadnock Bldg., S. F.
Architect...None.
Contractor...Ray Sergerson, 1434 Waller, San Francisco.
COST, \$400

FRAME RESIDENCE
(3234) W PLUTO 80 S Masonic. Two-story and basement frame residence.
Owner.....Co-Operative Home Bldg. Co., 1125 Fulton, S. F.
Architect...None.
Day's work. COST, \$5000

FRAME RESIDENCE
(3235) E TWELFTH AVE 225 S Balboa. Two-story and basement frame residence.
Owner.....C. A. Holl, 1312 5th Ave., San Francisco.
Architect...None.
Day's work. COST, \$3000

ALTERATIONS
(3236) NO. 130 CALIFORNIA. Rearrange office on 2nd floor; hardwood interior finish, plastering, marble work, painting, papering, etc.
Owner.....N. W. Halsey Co., 424 California, San Francisco.
Architect...Ward & Blohme, Alaska Commercial Bldg., S. F.
Contractor...J. N. Cobby, 180 Jessie, San Francisco.
COST, \$3000

NOTE:—Job is started.

FRAME RESIDENCE
(3237) E FIFTH AVE 25 S Kirkham. Two-story and basement frame residence.
Owner.....A. J. Raisch, Underwood Bldg., San Francisco.
Architect...Owner.
Contractor...Cox Bros., 5th Ave and Lincoln Way, S. F.
COST, \$3500

ALTERATIONS
(3238) W ELEVENTH AVE 125 S Cabrillo W 120xS 25. All work except plumbing, painting and finish hardware for alterations and additions to one-story frame dwelling.
Owner.....Martin F. Welch, 723 11th Ave., San Francisco.
Architect...H. E. Harris, 941 Monadnock Bldg., San Francisco.
Contractor...D. W. Ross & Co., 418 Frederick, San Francisco.
Filed Nov. 4, '16. Dated Oct. 31, '16.
Old building raised and new story enclosed\$465.95
New partitions set, building lath- ed and outside finish on..... 465.95
Building plastered 465.95
Completed and accepted..... 465.90
Usual 35 days..... 621.25
TOTAL COST, \$2485.00
Bond, \$1250. Sureties, Mrs. Wm. Ross and L. J. Deibel. Limit, 60 days from signing contract. Forfeit, \$150. Plans and specifications filed.

FRAME FLATS
(3239) E THIRTEENTH AVE 125 S Lake S 25xW 100. All work for two-story and basement frame flats.
Owner.....E. E. McCartney, 375 17th Ave., San Francisco.
Architect...None.
Contractor...C. C. Terrill, 1135 Masonic Ave., San Francisco.
Filed Nov. 4, '16. Dated Nov. 4, '16.
2nd floor joists on.....\$1100
Frame up and roof on..... 1100
Completed and accepted..... 1125
Usual 35 days..... 1475
COST, \$5900
Bond, \$2950. Sureties, W. B. Morris and C. J. Hillard. Limit, 100 days from filing. Forfeit, \$25. Plans and specifications filed.

FRAME RESIDENCE
(3240) NW POWELL AND GEARY. Addition for laundry plant.
Owner.....Crocker Estate Co., Prom. Architect...Campbell Shorly, 1101 St. Francis, San Francisco.
Day's work. COST, \$1200

FRAME FLATS
(3241) W EIGHTEENTH AVE 55 N Anza. Two-story and basement frame flats.
Owner.....H. C. Keenan, 500 Webster, San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME FLATS
(3242) W EIGHTEENTH AVE 50 N Anza. Two-story and basement frame flats.
Owner.....H. C. Keenan, 500 Webster, San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME FLATS
(3243) W EIGHTEENTH AVE 25 N Anza. Two-story and basement frame flats.
Owner.....H. C. Keenan, 500 Webster, San Francisco.
Architect...None.
Day's work. COST, \$5000

ADDITION
(3244) E NINTH AVE 100 S Cabrillo. Add to flats.
Owner.....Oscar W. Thunberg, 678 9th Ave., San Francisco.
Architect...None.
Day's work. COST, \$1000

FRAME DWELLING
(3245) N TEDDY 134 W Alpha. One-story and basement frame dwelling.
Owner.....C. B. Huyett, 130 Teddy, San Francisco.
Architect...None.
Day's work. COST, \$600

ALTERATIONS
(3246) NO. 557 WALLER. Alter store. Owner.....I. H. Mower, Premises.
Architect...None.
Contractor...J. Persson, 702 Divisadero, San Francisco.
COST, \$400

ADDITION
(3247) S GLOVER 137-6 W Jones. Add to dwelling.
Owner.....R. Bevilacqua, 120 Jasper Place, San Francisco.
Architect...L. Traverso, 854 Union, San Francisco.
Contractor...S. Montani, 1753 Greenwich, San Francisco.
COST, \$550

FRAME RESIDENCE
(3248) SW MAYNARD AND CRAUT. Two-story and basement frame residence and store.
Owner.....P. W. Montrouil, 270 Andover, San Francisco.
Architect...None.
Day's work. COST, \$2500

EXCAVATION, ETC.
(3249) NE EIGHTH AND BRANNAN. Excavation and pile driving, etc, for factory building.
Owner.....National Carbon Company. Consulting Eng...Maurice C. Couchot, 110 Sutter, San Francisco.
Contractor...The Clinton Constr. Co., 140 Townsend, S. F.

Filed Nov. 6, '16. Dated Nov. 3, '16.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$21,900
Bond, \$10,950. Surety, Massachusetts
Bonding & Insurance Co. Limit, 40
days. Forfeit, \$25. Plans and specifications
filed.

ELECTRICAL WORK

(3250) S MARKET AND SECOND SW
45x8E 91-6. Electrical work for 12-
story Class "A" office building.
Owner.....Savings Union Bank &
Trust Co.

Consulting Eng.....Chas. T. Phillips,
Pacific Bldg., S. F.
Contractor.....Standard Elec. Constr. Co.,
60 Natoma, S. F.

Filed Nov. 6, '16. Dated Aug. 11, '16.
Monthly payments of..... 75%
36 days after.....Balance
TOTAL COST, \$4594

Bond, \$2297. Surety, U. S. Fidelity
& Deposit Co. Limit, as required. Forfeit,
\$25. Plans and specifications filed.

CONCRETE PAVEMENT

(3251) SAN PABLO AVE and Ptns
Santa Ynez Ave and Yerba Buena
Avenue; westerly ptn San Miguel
Rancho and adj. St. Francis Wood.
Concrete pavement, including asphaltic
concrete wearing surface.
Owner.....Westgate Park Co.
Architect.....None.

Contractor.....Blanchard-Brown Co., 660
Market, San Francisco.

Filed Nov. 6, '16. Dated Sept. 1, '16.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$139 per sq. foot

Bond, \$6000. Surety, The Aetna Accident
& Liability Co. Limit, 160 days.
Forfeit, \$20. Plans and specifications
filed.

EXCAVATING, ETC.

(3252) E ECKER facing 97-6 on
Stevenson and 135 on Jessie. Excavating,
shoring and holding up easterly
wall of building.

Owner.....John Martin, 332 Pine,
San Francisco.

Architect.....Willis Polk & Co., Hobart
Bldg., San Francisco.

Contractor.....D. J. & T. Sullivan, Inc.,
1910 Polson, San Francisco

Filed Nov. 6, '16. Dated Nov. 2, '16.
On 15th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$1162

Bond, \$600. Surety, Aetna Accident &
Liability Co. Limit, Dec. 31. Forfeit,
\$5. Plans and specifications filed.

(3253) CEMENT AND BRICK WORK
on above.

Contractor.....McGowan & Butler, 180
Jessie, San Francisco.

Filed Nov. 6, '16. Dated Nov. 2, '16.
Payments same as above.....

TOTAL COST, \$1350

Bond, \$700. Surety, Aetna Accident &
Liability Co. Limit, Dec. 31. Forfeit,
\$5. Plans and specifications filed.

(3254) E Cole 88-5 S Carl. One-
story frame shop.

Owner.....W. H. Yates, 943 Cole, San
Francisco.

Architect.....None.

Contractor.....G. W. Marsden, 1452
Haight, S. F.

COST, \$1000

(3255) S PACIFIC 137-6 W Laguna.

Alteration for garage in basement.

Owner.....Ray Schwartz, 2129 Pacific,
San Francisco.

Architect.....M. C. Schwartz, 1201 Ne-
vada Bank Bldg., S. F.

Day's work..... COST, \$500

(3256) NO 2737 MISSION. Alteration
for store.

Owner.....H. Tsert, Premises.

Architect.....None.

Contractor.....Thomas Ekoos, 915 Hamp-
shire, S. F.

COST, \$400

(3257) N LAKE VIEW 115 W Summit.
One-story reinforced concrete gar-
rage.

Owner.....Karl A. Guss, 503 Lake
View, S. F.

Architect.....None.

Day's work..... COST, \$400

(3258) N ST. FRANCIS BLVD 200 W
San Fernando (St. Francis Wood, lot
2, block 8). Two-story and base-
ment frame residence.

Owner.....St. Francis Home Bldg.,
Co., 278 Post, S. F.

Architect.....Henry H. Gutterston, 278
Post, S. F.

Day's work..... Cost, \$12,000

(3259) NE LEAVENWORTH and Ma-
condray, N 24xE 87-6. Alterations
and additions for three-story frame
flats.

Owner.....A. F. Pescia, 625 Vallejo,
San Francisco.

Architect.....Jos. M. Geary, 2581 Post,
San Francisco.

Contractor.....Thomas McCormick, 25
Gladys, S. F.

Filed Nov. 8, '16. Dated Nov. 8, '16.

Rough plumbing in, electric wir-
ing completed and plastering
on.....\$430

Completed and accepted..... 435

Usual 35 days..... 450

TOTAL COST, \$1215

Bond, Sureties, Forfeit none. Limit, 30
days. Plans and specifications filed.

FRAME RESIDENCE

(3260) E TWENTY-THIRD AVE 175 N
Balboa. One-story and basement
frame residence.

Owner.....C. J. Killimede, 2910 How-
ard, San Francisco.

Architect.....None.

Contractor.....Leigh & Schultz, 419 21st
Ave., San Francisco.

COST, \$3000

FRAME DWELLING

(3261) E TWENTY-SIXTH AVE 75 N
Balboa. One-story and basement
frame dwelling.

Owner.....E. J. Spencer, 537 25th
Ave., San Francisco.

Architect.....None.

Day's work..... COS, \$2500

ALTERATIONS

(3262) NE SUTTER AND KEARNY.
Remove partitions, new elevator, re-
place toilets, etc. in clothing store.

Owner.....Pauson & Co., Premises.

Architect.....None.

Contractor.....F. L. Hansen, 709 Mission,
San Francisco.

COST, \$6000

ALTERATIONS

(3263) NW HYDE AND McALLISTER
Minor alterations.

Owner.....Bancroft Whitney, Prem.

Architect.....Mathew O'Brien, 621 Fox-
croft Bldg., S. F.

Contractor.....H. Vaughn, 718 Foxcroft
Bldg., San Francisco.

COST, \$350

GARAGE

(3264) S PINE, bet. Grant Ave and
Stockton. One-story concrete garage
and retaining wall.

Owner.....Roman Catholic Arch-
bishop of S. F.

Engineer.....Maurice C. Couchot, 110
Sutter, San Francisco.

Day's work..... COST, \$1500

SHOP

(3265) W THIRTEENTH 70 N Mission
One-story frame and galvanized iron
shop.

Owner.....Kern Co., 316 Bush, S. F.

Architect.....None.

Contractor.....Chas. J. Kern Co., 3885
18th, San Francisco.

COST, \$1600

ALTERATIONS

(3266) No. 1628 EDDY. Alter dwell-
ing into 2 flats.

Owner.....Thomas Shields & Wife,
1268 Eddy, San Francisco.

Architect.....None.

Contractor.....C. W. Agee, 1272 Eddy,
San Francisco.

COST, \$2680

FRAME RESIDENCE

(3267) SE BALBOA AND ELEVENTH
Ave. Two-story and basement frame
residence.

Owner.....A. R. Lapham, 511 12th Ave,
San Francisco.

Architect.....None.

Day's work..... COST, \$3900

FRAME COTTAGE

(3268) W EDGEWOOD AVE 454-3 1/2 S
of N line of Edgewood St. W 119-2 1/2
x S 30. All work except finish paint-
ing and lighting fixtures for frame
cottage.

Owner.....Lillian Upton, 1254 Taylor,
San Francisco.

Architect.....Willis Polk & Co., Hobart
Bldg., San Francisco.

Contractor.....M. Fauth, 771 21st Ave.,
San Francisco.

Filed Nov. 9, '16. Dated Nov. 6, '16.

On 15th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$3015

Bond, \$1510. Surety, American Surety
Co. Limit, Feb. 5, ———. Forfeit, \$10.

Plans and specifications filed.

GARAGE

(3269) W VAN NESS AVE 50 N Pine.
All work except electric work,
plumbing and elevator work for
three-story concrete auto sales gar-
age building.

Owner.....A. C. Kuhn, Wehner Road,
San Jose.

Architect.....W. H. Weeks, 75 Post,
San Francisco.

Contractor.....Jno. Spargo, 240 Mont-
gomery, San Francisco.

Filed Nov. 9, '16. Dated Oct. 31, '16.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$33,000

Bond, \$15,000. Surety, Fidelity & De-
posit Co. Limit, 130 days. Forfeit,
\$25. Plans and specifications filed.

NOTE:—Bond reads W Van Ness Ave
50 N Post.

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not FOUR WHEEL DRIVE.

On the F-W-D Truck every wheel is a **Driving Wheel.** The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

"Every Owner a Booster"

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

LATHING, ETC.

(3270) S MARKET AND SECOND SW 45xSE 91-6. Lathing, plastering metal furring, etc., for 12-story Class "A" office building.

Owner.....Savings Union Bank & Trust Co.

Architect...Wood & Simpson, 110 Sutter, San Francisco.

Contractor...MacGruer & Co., 258 Connecticut San Francisco.

Filed Nov. 9, '16. Dated Aug. 25, '16. Monthly payments of..... 75%

36 days afterBalance

TOTAL COST, \$10,267

Bond, \$5,133.50. Surety, Maryland Casualty Co. Limit 90 days. Forfeit, \$25. Plans and specifications filed.

(3271) FINISH CARPENTER AND mill work on above.

Contractor...L. A. Hinson, 1279 Jackson San Francisco.

Filed Nov. 9, '16. Dated Oct. 26, '16. Payments same as above.....

TOTAL COST, \$2,800

Bond, \$2076.50. Surety, Massachusetts Bonding & Insurance Co. Limit, 90 days. Forfeit, \$25. Plans and specifications filed.

(3272) ORNAMENTAL METAL WORK, etc., on above.

Contractor...Sartorius Co. Inc., 15th and Utah, San Francisco.

Filed Nov. 9, '16. Dated Sept. 7, '16. Payments same as above.....

TOTAL COST, \$11,650

Bond, \$5680. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, \$50. Plans and specifications filed.

(3273) HEATING SYSTEM ON ABOVE

Contractor...Jas. H. Pinkerton, 2266 Fulton, San Francisco.

Filed Nov. 9, '16. Dated Sept. 2, '16. Payments same as above.....

TOTAL COST, \$4125

Bond, \$2062.50. Surety, Guardian Casualty & Guaranty Co. Limit, 90 days. Forfeit, \$25. Plans and specifications filed.

(3274) EXTERIOR MARBLE WORK on above.

Contractor...American Marble & Monastic Co., 25 Columbia Sq., San Francisco.

Filed Nov. 9, '16. Dated Aug. 17, '16. Payments same as above.....

TOTAL COST, \$1400

Bond, \$2050. Surety, Massachusetts Bonding & Insurance Co. Limit, 20 days after notification. Forfeit, \$25. Plans and specifications filed.

(3275) BRICK, TERRA COTTA AND partitions, etc., on above.

Contractor...J. E. Gilson and A. G. Reed (as Reed & Gilson).

Filed Nov. 9, '16. Dated Aug. 10, '16. Payments same as above.....

TOTAL COST, \$10,987

Bond, \$5493.50. Surety, Hartford Accident & Liability Co. Limit, 60 days. Forfeit, \$50. Plans and specifications filed.

ELECTRICAL WORK

(3276) LOCATION NOT GIVEN. Electric lighting fixtures, gas fixtures, etc., for Hotel Whitcomb.

Owner.....James Otis Trustee, 310 California, San Francisco.

Architect...Wright & Rushforth, 354 Pine, San Francisco.

Contractor...Roberts Mfg. Co., 663 Mission, San Francisco.

Filed Nov. 10, '16. Dated Nov. 3, '16. Fixtures installed on 5th, 6th and 7th floors.....\$2500

Completed and accepted..... 2500

36 days after..... 1670

TOTAL COST, \$6670

Bond, \$3000. Surety, United States Fidelity & Guaranty Co. Limit, Dec. 31, 1916. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(3277) SE FOLSOM 137-6 SW Second SW 137-6XSE 275. Alterations and additions to stable building.

Owner.....Wells Fargo & Co., 85 2nd, San Francisco.

Architect...Jas. H. Humphreys, 612 Wells Fargo Bldg., S. F.

Contractor...Carnahan & Mulford, 45 Kearny, San Francisco.

Filed Nov. 10, '16. Dated Nov. 10, '16. On or before 5th of each month 75%

Usual 35 days..... 25%

TOTAL COST, \$9460

Bond, \$4730. Surety, United States Fidelity & Guaranty Co. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

OFFICE BUILDING

(3278) NE TWENTYETH & ILLINOIS (ptn of yard of Union Iron Works.)

All work for three-story, basement and sub-basement office building.

Owner.....Union Iron Works Co., Premises.

Architect...Frederick H. Meyer, Bankers' Invest. Bldg., S. F.

Contractor...Larsen & Sampson Co., Crocker Bldg., S. F.

Filed Nov. 10, '16. Dated Nov. 8, '16. Progressive payments of..... 75%

Usual 35 days..... 25%

TOTAL COST, not to exceed \$157,500

allowing as contractors' profit, \$6500.

Bond, \$82,000. Surety, Guardian Casualty & Guaranty Co. Limit, 150 days. Forfeit, none. Plans and specifications filed.

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Nov. 9, 1916—NW TWENTY-FOURTH and Treat Ave W 60 N 100 E 100 S 100. Agnes Mangles as to improvements on leased property.....

Nov. 10, 1916—PTX CLIFF HOUSE stable and lands S of Cliff House. Emma L. Merritt, extrs Est Adolph Sutro, dec'd as to improvements on leased property.....

Nov. 16, 1916—W PIERCE 155 S Waller S 25x95. Fannie Johnson as to improvements on leased property.....

BUILDERS' BOND.

SAN FRANCISCO COUNTY.

Nov. 9, 1916—S PACIFIC 137-6 W Sansome W 65-9xS 137-6. Owner, Henry Cailleud; contractors, Trevia & Pasqueletti; sureties, Angela V Garasino and Domenico E Trevia. Bond, \$6887.50.

LEASE.

SAN FRANCISCO COUNTY.

Nov. 6, 1916—1000 HYDE NE Cor. Pine. Minnie P Shotwell to May Goodenow, 2 years. \$9600.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED

Oct. 19, 1916—SW VIRGINIA AVE 123-6 SE Mission SE 26xSW 60; Lot 38 Godeus Gift Map Sub Lots 374, 375, 376 and 377 P V. Lucie Elizabeth Kleinsorg (wif Peter) to Peter Kleinsorg.....Oct. 16, 1916

Oct. 19, 1916—N SACRAMENTO 146-8 W Taylor W 27-8xN 120. Joseph Baccocco to H Conrad.....Oct. 13, 1916

Oct. 19, 1916—S GEARY 68-9 W Octavia W 68-9xS 120. Jacob Steur to whom it may concern.....Oct. 13, 1916

Oct. 19, 1916—E ASHBURY 100 N Grove N 25 E 100 N 12-6 E 15-8 S. 37-6 W 115-8. Emile A Dulp to Jacob Witzelsburger.....Oct. 17, 1916

Oct. 19, 1916—SE SAN JOSE AVE 135-01 SW Santa Ynez Ave SW 31.10 ptn Sub Lots 1 and 2 Blk 33. West End Map No. 1. Henry Steinhach to Louis Johnson.....Oct. 16, 1916

Oct. 19, 1916—E TENTH AVE 100 S Geary. Florence Bartlett to John J Binet Co.....Oct. 18, 1916

Oct. 19, 1916—S BALBOA 94 W 24th Ave W 25xS 192 m or l. James B. Kidd to Iro W Cohnr.....Oct. 17, 1916

Oct. 20, 1916—N SACRAMENTO 119-2 W Taylor W 27-6xN 120. Henry Cailleud Jr to Henry Conrad.....Oct. 20, 1916

Oct. 20, 1916—LOT 27 BLK 17 B Alameda Shdwn West End Map No. 1. Anna Wanner to Axel R Larson.....Oct. 19, 1916

Oct. 20, 1916—NOS. 340-344 EDDY. Builders Realty Co to Petersen James Co.....Oct. 16, 1916

Oct. 20, 1916—W TWENTY-THIRD Ave 300 S Lincoln Way S 25xW 120. Eric Dahlberg to whom it may concern.....Oct. 20, 1916

Oct. 20, 1916—SW THIRD AVE AND "H" W 95xS 45. J A Rutherford, Jr to Ruegg Bros.....Oct. 19, 1916

Oct. 21, 1916—W MISSOURI 150 S 19th 25x100. James Stewart to A M Wallen.....Oct. 20, 1916

Oct. 21, 1916—N PINE 137-6 E Van Ness Ave E 68xN 137-6. Mary N. Lucy H and Edith W Alline to Barrett & Hilp.....Oct. 14, 1916

Oct. 21, 1916—NO. 445 SUTTER S line bet Powell and Stockton. Pacific Gas & Electric Co to Scott Co.....Oct. 13, 1916

Oct. 23, 1916—E FIFTEENTH AVE 275 N Fulton N 25x E 127-6. Stillman E Brown and Sterling Realty Co to whom it may concern.....Oct. 21, 1916

Oct. 23, 1916—W SEVENTEENTH AVE 73 N Lake N 25xW 57-6. Arthur H. Malm to F Caldwell & Son.....Oct. 23, 1916

Oct. 23, 1916—S CARL 150 W Clayton. No. 37 Carl. Rose V Davis to J W Marsden.....Oct. 20, 1916

Oct. 23, 1916—E SEVENTEENTH AVE 125-11 N Clement N 50x E 120. J Johnson to whom it may concern.....Oct. 21, 1916

Oct. 24, 1916—S CLAY 186-10 E Franklin 40-6x127-8x. Agnes C Hostetter to John G Chase.....Completed

Oct. 24, 1916—E WHITNEY 223 S Randall. Fredk and Eugenie Schwarz to W H Grahn.....Sept. 15, 1916

Oct. 24, 1916—NE FIFTH & JESSIE 75 m or l on 5th by 175 m or l on 4th

Jessie. J B Lankershim to D J & T Sullivan, Inc., Oct. 19, 1916
 Oct. 24, 1916—W LARKIN 30 S Post S 40xW 95. Savings Union Bank & Trust Co to Spencer Elevator Co
 Oct. 18, 1916
 Oct. 24, 1916—E DOLORES 140 N 14th N 70xE 140. Cynthia L Guntz to W L Nagel and O W Britt, Oct. 23, '16
 Oct. 25, 1916—S TWENTYETH 30 E Sanchez E 25xS 85-6. John Bjorkman to whom it may concern
 Oct. 25, 1916
 Oct. 25, 1916—NW NORTH POINT & Larkin N 275xW 412-6. D Ghiradelli Co to H H Larsen & Bro.
 Oct. 25, 1916
 Oct. 25, 1916—S SACRAMENTO 141-9 E Laguna E 50-9xS 132-8 1/2. Geo H Roundey to whom it may concern
 Oct. 25, 1916
 Oct. 25, 1916—N GEARY 167 S W Larkin W 25xN 120. William A and Hattie McKee to whom it may concern
 Oct. 25, 1916
 Oct. 26, 1916—SE HAYES & OCTAVIA E 62-6xS 120. Daniel M Moran to C T Jacobson, Philip A Bill (Bill & Jacobson) and Aylsworth Agencies Co
 Oct. 24, 1916
 Oct. 26, 1916—SW FIRST 40 SE Stevenson SE 40 SW 167-6 NW 50 SE 87-6 SE 40 NE 50. Langley & Michaels Co to Sibley Grading & Teaming Co
 Oct. 24, 1916
 Oct. 26, 1916—W LARKIN 30 S Post S 40xW 95. Savings Union Bank & Trust Co to Frederick W Snook Co, Oct. 24; United States Metal Products Co, Oct. 25, 1916
 Oct. 26, 1916—E TWELFTH AVE 275 N Fulton N 25xE 120. Caleb S Trimble or Trimble to Chas Schwarz
 Oct. 26, 1916
 Oct. 26, 1916—NO. 820 HOLLOWAY AVE NW Cor. Jules AVE, 100x125. Ada M Bender to whom it may concern
 Oct. 17, 1916
 Oct. 26, 1916—SE HAYES AND OCTAVIA E 62-6xS 120. Daniel M Moran to M A De Lew, Oct. 24, 1916
 Oct. 27, 1916—BLK BDED BY CLAY, Webster, Sacramento & Buchanan. The Board of Trustees of the Leland Stanford Jr University to The Turner Co, Oct. 20; W A Goerickie, Oct. 20, 1916
 Oct. 27, 1916—LOT 3 BLK 2978 Merritt Terrace. L S Allen to whom it may concern
 Oct. 27, 1916
 Oct. 27, 1916—W NINTH AVE 125 S Balboa S 25xW 120. Joseph C Kirby to whom it may concern, Oct. 27, 1916
 Oct. 27, 1916—E FIFTEENTH AVE 275 N Judah N 25xE 127. Leigh & Schultz to whom it may concern
 Oct. 25, 1916
 Oct. 27, 1916—W THIRTY-FIRST AV 256-8 N Clement N 27-2 1/2 W 120 S 39-8 1/2—120-7 1/2. Mary F O'Brien (nee O'Connor) to Otto Carson & Co.
 Oct. 25, 1916
 Oct. 28, 1916—SE HAYES AND OCTAVIA E 62-6xS 120. Daniel M Moran to The Turner Co.
 Oct. 26, 1916
 Oct. 28, 1916—E TWENTY-FOURTH AVE 260 S Geary S 25xE 120. John J Kingwell to F O McKay, Oct. 23, '16
 Oct. 28, 1916—N BUSH 102-6 E Hyde E 35xN 137-6. Saint Francis Hospital Co to Vulcan Iron Works
 Oct. 24, 1916
 Oct. 28, 1916—E MISSION 100—Excelsior AVE 25x82-6. Nicola Pagliettini to A Debenedetti
 Oct. 28, 1916

Oct. 28, 1916—W TWENTY-THIRD AVE 125 S California S 25xW 120. Geo and Mary Ellis to whom it may concern
 Oct. 27, 1916
 Oct. 28, 1916—LOT 15 BLK 6442, Crocker Amazon Tract Sub No. 2. H W Morris to Alfred C Dahl
 Oct. 27, 1916
 Oct. 30, 1916—W ARKANSAS 350 S 20th 25x100; Lot 375.08 S 20th 25x100 Lot 406 S 20th 25x100. Chas E Reinhart to Alfred Martinet
 Oct. 28, 1916
 Oct. 30, 1916—NW BUSH & SANSONE NW 137-6 W 67-6 S 137-6 E 67-6. Standard Oil Co by P J Walker, Agt to C Jorgensen & Co.
 Oct. 21, 1916
 Oct. 30, 1916—W TWENTY-SECOND AVE 175 S Anza S 25xW 120. Bryan and Feerick and Michel Costello to whom it may concern
 Oct. 28, 1916
 Oct. 30, 1916—LOT 19 Lyon & Hoags Sub Bakers Beach Land Co. Elizabeth M Hirsch to Alfred Peterson
 Oct. 18, 1916
 Oct. 31, 1916—NE ANZA & ELEVENTH AVE N 100xE 32-6. A A Lohrey to Wm Linden
 Oct. 24, 1916
 Oct. 31, 1916—SW FOLSOM AND 26th W 170 S 150-9 1/4; m or 1 S 86 deg 35 min E 175 m or 1 N 173. Board of Trustees of Cogswell Polytechnical College to Lange & Bergstrom
 Oct. 24, 1916
 Oct. 31, 1916—N McALLISTER 137-6 E Steiner E 10xN 137-6. Leopold and Bertha Marks to O K Holt, Oct. 31, '16
 Oct. 31, 1916—NE THIRTEENTH AV 100 SE "M" (South) SE 25 NE 25 NW 25 SW 100 Blk 248, South San Francisco H & R R Ass'n. Thomas Glynn to T L Sharnan
 Oct. 25, 1916
 Oct. 31, 1916—W FILLMORE 103 N Sutter N 50xW 100. E C and O M Hueter to Higginson Co, Inc.
 Oct. 31, 1916
 Oct. 31, 1916—S FARALLONES 125 E Plymouth AVE E 45x125. David Houle to whom it may concern
 Oct. 30, 1916
 Oct. 31, 1916—N HARVARD & FELTON NW 25xNE 85 Lot 5 Blk 101 University Mound. Alex Martinet to whom it may concern, Oct. 31, 1916
 Oct. 31, 1916—E FOURTH AVE 125 N Geary 25x120. Moses Kleinhaupt to Chester L Knight
 Oct. 28, 1916
 Nov. 2, 1916—W TWENTY-FOURTH AVE 50 N California N 25xW 95. John Gray to F O McKay, Oct. 30, 1916
 Nov. 1, 1916—LOT 35 BLK 25, Crocker Amazon Tract. Alfred C Dahl to whom it may concern, Nov. 1, 1916
 Nov. 2, 1916—E PRESIDIO AVE 110, 9 1/2 S Bush S 26-8 1/2xE 211-5 1/2. Franz X and C Dietzsche (wif) to Henry Baumann
 Oct. 17, 1916
 Nov. 2, 1916—NO. 340 STOCKTON. Kenneth MacDonald Jr to William Bros & Henderson
 Oct. 31, 1916
 Nov. 2, 1916—SW WASHINGTON & Divisadero S 50xW 60. Lillie Hyman (wif W A) to Wm Little
 Nov. 1, 1916
 Nov. 2, 1916—NE ARMY & BRYANT E 75-2 1/2 N 26-10 1/2 W 75 S 27-3 1/2. Giacoma Locastro to New Era Bldg Co.
 Nov. 1, 1916
 Nov. 2, 1916—E DIVISADERO 87-6 S McAllister E 106-3xS 50. Irma D Danziger to Barrett & Hilp
 Nov. 1, 1916
 Nov. 2, 1916—E THIRTY-FOURTH AVE 100 N Irving N 25xE 120. J W Gillogley to whom it may concern
 Nov. 2, 1916
 Nov. 3, 1916—N GREEN 188-4 W

Mason W 22-11xN 187-6 Eugene Laujardiere to Paul De Martini
 Nov. 1, 1916
 Nov. 3, 1916—W LARKIN 30 S Post S 40xW 95. Savings Union Bank & Trust Co to Mangrum & Otter, Inc., Nov. 2; Central Elec Co, Nov. 2; H Maundrell, Nov. 2; Sunset Iron Works
 Nov. 2, 1916
 Nov. 3, 1916—LOT 6 BLK "B" Mission Terrace. John E McCarthy to John E McCarthy Co.
 Nov. 1, 1916
 Nov. 4, 1916—W TENTH AVE 125 S Balboa S 25x120. Alfred T Morris to whom it may concern, Nov. 4, 1916
 Nov. 4, 1916—W MISSISSIPPI 216 S 20th 25x100. Philip W Montrouil to whom it may concern, Nov. 2, 1916
 Nov. 4, 1916—E LYON 135-0 1/2 N Green N 40-0 1/2 E 69-2 S 70 W 8-8 1/2 S 10 W 61-11 1/2. Chas L and Olga Barrett to William W Rednall
 Nov. 2, 1916
 Nov. 4, 1916—SE NORTH POINT & Powell E 206-3xS 275. James F Leahy, vice president of Simmons Co, lessee to Lindgren Co, Oct. 30, '16
 Nov. 4, 1916—N SECOND & FEDERAL NE 239xNW 160. M J Cebrian to Larsen & Sampson
 Oct. 31, 1916
 Nov. 4, 1916—SW FOLSOM AND 26TH W 170 S 150-9 1/4; m or 1 S 86 deg 35 min E 175 m or 1 N 173. Board of Trustees of Cogswell Polytechnic College by John H Sammi, Sec to Lange & Bergstrom
 Oct. 25, 1916
 Nov. 6, 1916—W JONES 167-6 S Green S 25xW 110. A S Mause to R H McKenzie
 Oct. 30, 1916
 Nov. 6, 1916—W TWELFTH AVE 100 S Cabrillo S 25xW 120. Jno M Peters to whom it may concern, Nov. 6, 1916
 Nov. 6, 1916—SW ELLIS AND HYDE W 57-6xS 52-6. D & S Investment Co to Roy Mauvais, Nov. 1; H Maundrell, Oct. 28; The Turner Co
 Nov. 1, 1916
 Nov. 6, 1916—S BUSH 166 E Jones E 54-6 1/2xS 137-6. Clyde S Payne to Fidelity Constr Co.
 Nov. 3, 1916
 Nov. 6, 1916—SE BURNING 359 NE 6th NE 70xSE 125. F S Moody and Moody Estate Co to whom it may concern
 Nov. 4, 1916
 Nov. 6, 1916—NW ARLINGTON 30 NE Natick NE 30xNW 75 being Lot 11 Jones Add'n to Fairmount. John and Mary Mowat to whom it may concern
 Nov. 1, 1916
 Nov. 6, 1916—E SANSONE 130-2 1/2 S California—46-7 m or 1 by 137-6. Martin Sachs Co to whom it may concern
 Nov. 6, 1916
 Nov. 6, 1916—W THIRTY-FOURTH AVE 200 S Balboa S 25xW 120. Leigh & Schultz to whom it may concern
 Nov. 6, 1916
 Nov. 8, 1916—N CARILLLO AND 12th AVE N 29xW 30. Margaret J. Koenig to whom it may concern
 Nov. 8, 1916
 Nov. 8, 1916—N VALLEJO 210 7 1/2 W Scott, W 27-6xN 137-6. Grayson Dutton to J S Hannah, Oct. 20, 1916
 Nov. 8, 1916—S NEWCOMB AVE 200 E Mendall, E 25xS 100. Jean Rey to J. B. Bourdieu and L P Lauchen
 Oct. 31, 1916
 Nov. 8, 1916—E FILLMORE 100 S Broadway, 37-6x85-9. Anna Hadlik to Otto Carson
 Nov. 8, 1916
 Nov. 8, 1916—W HOWARD 127-6 S 21st, W 122-1 more or less S 20 E 132-6 more or less N 90. St. John's Lutheran Congregation to L A Kern
 Nov. 4, 1916
 Nov. 10, 1916—W TWENTYETH AVE 350 S Geary S 25xW 120. Alfred

Johnson to whom it may concern
Nov. 9, 1916—SW BUSH AND MASON
W 62-6xS 87-6. M A Little to M A
Little.....Nov. 9, 1916
Nov. 9, 1916—S FARRALONES 175 E
Plymouth E 75xS 125 Ptn Lots 1
and 2 Blik "K" R R Hd Ass'n. D
Houle to whom it may concern.....
Nov. 2, 1916
Nov. 9, 1916—W UTAH 250 N 24th.
Emil Lager to Joel Johnson.....
Nov. 9, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED AMOUNT

Oct. 21, 1916—S GEARY 92 W Powell
W 45xS 137-6. Bennett Bros vs H
L Josey.....\$76.31
Oct. 21, 1916—NW PIERCE & EDDY
N 75xW 30. American Marble &
Mosaic Co vs Virginia Luvisi, John
H Merz and Henry Conrad.....\$155
Oct. 21, 1916—NW EDDY & PIERCE
W 30xN 75. Joost Bros, \$182.61;
Marshall & Stearns, \$159 vs Vir-
ginia Luvisi and John H Merz....
Oct. 21, 1916—NW EDDY & PIERCE
N 75xW 30. Macdonald Lumber Co
vs Virginia Luvisi, John H Merz
and Henry Conrad.....\$298.08
Oct. 21, 1916—NW EDDY & PIERCE
W 30xN 75. Asher Elec Co vs John
H Merz, Henry Conrad and Virginia
Luvisi.....\$180
Oct. 21, 1916—N ANZA 103 W 9th Ave
W 25xN 100. D Regis and L Tre-
bino vs Chas Linebaugh.....\$147
Oct. 21, 1916—E CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100.
O Kutz, \$283.22; Pope & Talbot,
\$116.30 vs Chas Paff and Vincenza
Sturiza.....
Oct. 23, 1916—NW EDDY & PIERCE
W 30xN 75. Brass & Bronze Orna-
mental Art Mfg Co vs Virginia
Luvisi and J H Merz.....\$173
Oct. 23, 1916—E CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100.
Esposito Bros, \$74; Malott & Peter-
son, \$42 vs Vincenza Sturiza and
Chas Paff.....
Oct. 23, 1916—NW EDDY & PIERCE
W 30xN 75. Burtka Sash, Door &
Moulding Mills vs Virginia Luvisi
and John H Merz.....\$124.92
Oct. 23, 1916—S CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100. D
F Sullivan vs Vincenza Sturiza and
Chas Paff.....\$215
Oct. 24, 1916—E CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1. Haben-
licht & Howlett vs Vincenza Sturiza
and Chas Paff.....\$81.20
Oct. 24, 1916—E CHURCH 227 N 24th
E 100 N 1 E 25 N 32 W 125 S 33.
Charles S Amsler vs Vincenza
Sturiza and Chas Paff.....\$56
Oct. 24, 1916—E CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100.
J H Kruse vs Vincenza Sturiza and
Chas Paff.....\$34.63
Oct. 24, 1916—N CLEMENT 55 W 15th
Ave W 25xN 104-3. Leonard Lum-
ber Co vs A Melander.....\$345.02
Oct. 24, 1916—S CABRILLO 27-6 W
15th Ave W 25xS 100. Eureka Sash
Door & Moulding Mills vs H P Cox
and C E Herrick and O E Jones....
\$59.58
Oct. 24, 1916—S GEARY 92-6 W
Powell W 45xS 137-6. H W Johns-
manville Co vs N L Josey.....\$381.90
Oct. 25, 1916—E CHURCH 227 N 24th

N 33 E 125 S 32 W 25 S 1 W 100.
Western Lime & Cement Co, \$78.44;
Holmes Lime & Cement Co, \$21.20
vs Vincenza Sturiza and Chas Paff....
Oct. 25, 1916—S MAYNARD 250 E
Craut E 25xS 110. Jas H Hardy vs
Ignatius J and Catherine A Zab-
riski and E F Helms.....\$242.80
Oct. 26, 1916—E CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100.
Marius Hennings vs Vincenza Stur-
iza and Chas Paff.....\$154
Oct. 26, 1916—E CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100.
Joost Bros vs Vincenza Sturiza and
Chas Paff.....\$49.55
Oct. 26, 1916—NW EDDY & PIERCE
W 30xN 75. Ahlback & Mayer,
\$538.50; Rasmussen & Mallard,
\$142; Henry Ullner, \$50; L H Birth,
\$511.70; Dresser, McDonnell & Co,
\$50; Michel & Pfeffer, \$260 vs Vir-
ginia Luvisi and J H Merz.....
Oct. 27, 1916—SE MARKET AND
Brady W 75xS 124. George F Ber-
nard vs C H Crocker and George
F Price.....\$3.38
Oct. 27, 1916—E CHURCH 227 N 24th
E 125 S 32 W 25 S 1 W 100 N 33.
Roberts Mfg Co vs Vincenza Sturiza
and Chas Paff.....\$37.75
Oct. 27, 1916—S MINNA 470 W Thrd
40x70. J S Guerlin & Co vs Fred-
erick Marriott and R B MacDon-
ald.....\$79.99
Oct. 28, 1916—W RUSS & FOLSOM
SW 50xNW 100. Geo Frankel vs
Henry C Hincken and O E Evans &
Co.....\$520
Oct. 30, 1916—E CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100.
Chas J Powers vs Vincenza Sturiza
and Chas Paff.....\$54.25
Oct. 30, 1916—NW FOLSOM & RUSS
W 50xN 100. James H Hardy vs
Henry C Hincken and O E Evans &
Co.....\$279.66
Oct. 30, 1916—E COLLINS 321-8 N
Geary N 25x E 120. C H Beckman
vs W F and Jeanette Yates.....\$208
Oct. 30, 1916—NE ALSTON WAY
99.98 SE Claremont Blvd SE 30 NE
100 NW 25 SW 100 Lot 16 Blik 277,
Merritt Terrace. Eureka Sash, Door
& Moulding Mills vs Frank J and
Nettie J Hyland.....\$142.08
Oct. 30, 1916—40 FEET W OF SW
Naples and Seville. G C Ames vs
C Jeffreys, Tony Soncone and Alfred
D Dahl.....\$12.50
Oct. 31, 1916—W FOLSOM AND RUSS
NW 100xSW 50. S Muller vs Henry
C Hincken and O E Evans & Co. \$380
Oct. 31, 1916—W RUSS & FOLSOM
SW 50xNW 100. L B Hooper vs
Henry Henkens.....\$236.50
Oct. 31, 1916—W FOLSOM & RUSS
NW 100xSW 50. G McElhinney vs
Sophie J Morgan and O E Evans &
Co, Inc.....\$24
Oct. 31, 1916—NW CLARA 254-6 SW
Fifth SW 25xNW 80. Emprle Plan-
ing Mill vs E R Helms, Wm A and
Gertrude M Brosnan.....\$310
Nov. 1, 1916—NW FOLSOM & RUSS
W 50xN 100; Lots 21 and 22 Blik
373, City Land. F G Norman &
Sons vs Henry C Hincken, O E
Evans & Co, Inc.....\$145
Nov. 1, 1916—W FOLSOM & RUSS
SW 50xNW 100. Leonard Lumber
Co vs Henry C Hincken and O E
Evans & Co, Inc.....\$108.22
Nov. 1, 1916—W FOLSOM & RUSS
SW 50xNW 100. E B & A L Stone
vs Henry C Hincken and O E Evans
& Co, Inc.....\$37.50

Nov. 1, 1916—NW FOLSOM & RUSS
W 50xN 100. Pacific Concrete &
Mosaic Works vs Henry C Hincken
and O E Evans & Co.....\$1395.20
Nov. 1, 1916—W RUSS & FOLSOM
SW 25xNW 100; NW Folsom 25 SW
Russ SW 25xNW 100. Incandescent
Supply Co vs Henry C Hincken
and O E Evans & Co.....\$118.95
Nov. 2, 1916—NW FOLSOM & RUSS
W 50xN 100. Gustave Johnson vs
Henry C Hincken and O E Evans
& Co, Inc.....\$108
Nov. 2, 1916—W RUSS & FOLSOM
SW 50xNW 100. Akard Door Opener
Co vs Henry C Hincken and O E
Evans & Co.....\$44
Nov. 2, 1916—NW FOLSOM & RUSS
W 50xN 100. Joost Bros vs Henry C
Hincken and O E Evans & Co. \$347.46
Nov. 2, 1916—W CLARA 254-6 SW
Fifth SW 75xNW 8. John Cassa-
retto vs William A and Gertrude
M Brosnan.....\$45.55
Nov. 2, 1916—W FOLSOM & RUSS
NW 100xSW 50. Eagle Elec Co vs
Henry C Hincken and O E Evans
& Co.....\$225
Nov. 2, 1916—S CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100.
N Clark & Sons vs Chas Paff and
Mrs Vincenza Sturiza.....\$53.58
Nov. 2, 1916—S GEARY 92-6 W
Powell W 45xS 137-6. Harry Beach
(as Beach Elec Co) vs N L Josey
and Regan Estate Co, Inc.....\$875.50
Nov. 2, 1916—W RUSS AND FOLSOM
SW 50xNW 100. R W Parkes vs
Henry C Hincken and O E Evans &
Co.....\$493.55
Nov. 3, 1916—W RUSS AND FOLSOM
SW 50xNW 100. F C Hilton vs O E
Evans & Co & Henry C Hincken. \$480
Nov. 3, 1916—NW FOLSOM & RUSS
NW 100xSW 50. The Mission Mar-
ble Works vs Henry C Hincken,
Sophie J Morgan, O E Evans & Co
and Pacific Concrete & Mosaic Wks
.....\$145
Nov. 3, 1916—W RUSS AND FOLSOM
SW 50xNW 100. L L Berger, \$141.25;
J H Wickstrom, \$140; Gus Lind-
berg, \$380 vs Henry C Hincken and
O E Evans & Co.....\$141.25
Nov. 3, 1916—N SAN JOSE AVE 50
E Havelock E 25xN 100; E Havel-
lock 61 N San Jose Ave N 75x E
100. J E Higgins Lumber Co vs
G Palma, A C Ghiotto and B
Ghiotto (as Ghiotto Bros).....\$189.37
Nov. 6, 1916—E CHURCH 227 N 24th
N 33 E 125 S 32 W 25 S 1 W 100.
L E Clawson vs Chas Paff and
Vincenza Sturiza.....\$35.50
Nov. 6, 1916—SW REVERE AVE 250
SE Lane SE 25xSW 100 Ptn Lot 5
Blik 366 South S. F. H. & R. R. Assn.
Wm S La Chapelle vs Alfred and
Anna Helt.....\$119.30
Nov. 6, 1916—S TARAVAL 32-6 W 41st
avenue W75xS 100. F. S. Buckman
vs Margaret McKenzie.....\$112.50
Nov. 8, 1916—LOT 12, BLK 29, Map
Blocks 27 to 34, Forest Hill Exten-
sion. Wm. McIntosh vs. Otto A.
Brown.....\$2065
Nov. 8, 1916—E CLOVER LANE 232-6
S 19th S 35-37% more or less SE 3
more or less E 178-113-16 more or
less NW 51-39-32 more or less N
155 more or less, ptn Clover Hts.
Tract. M. Caro vs. Julius M.
Schlessinger.....\$22.50
Nov. 8, 1916—NW Clara 254-6 SW
5th SW 25x50. No. 228 Clara be-
tween 5th and 6th. G. R. Miller
vs. Wm. A., and Gertrude M. C.
Brosnan, E. T. Helms.....\$39

Nov. 9 1916—E NINTH AVE 56 N
Lawton N 24xe 120. W J Cuthbert-
son vs Kate Flattner. \$180
Nov. 9, 1916—NW CLARA 254-6 SW
Fifth SW 25xNW 80. William Fla-
havan vs William A and Gertrude
M Brosnan. \$336

OAKLAND AND ALAMEDA COUNTY

RESIDENCE—1 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, J. Muldoon, 2417 Blake street, Berkeley. Location, west Gaskill and Alleen. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, J. Muldoon, 2417 Blake street, Berkeley. Location, south-west Gaskill and Alleen. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, J. F. Chambers, Plaza Bldg., Oakland. Location, north Brookdale west Lila. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, Justus Norris, 2828 Richmond avenue, Oakland. Location, 29th avenue and Richmond. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. A. Jansen, 146 Schrader street, S. F. Location, north Beverly Place east Monterey. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owners, United Home Builders, 1527 Broadway, Oakland. Location, south Portsmouth road south Wildwood. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, F. N. Fabing, 3515 13th avenue, Oakland. Location, north Hampel west Park Boulevard. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, None. Owner, G. Taylor, 96 Pearl street, Oakland. Location, northeast 15th avenue and East 17th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, H. Z. Roem, 1135 Grand avenue, Oakland. Location, south Monte Vista west Grand avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, P. N. Hanser, 840 56th street, Oakland. Location, south Spring east Adeline. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Oakland, Cal. Architects, Schirmer & Bugbee, Dalziel Bldg., Oakland. Owner, Judge William R. Geary. Location, Lakeshore avenue. Will contain eight rooms, two baths and sleeping porch. Separate garage. Plans being prepared.

RESIDENCE—1 story and base, frame, \$2,500. Piedmont, Alameda Co., Cal. Architect, none. Owner, George Mohr, 2655 University avenue, Berkeley. Location, south San Carlos street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOL—2 story and base, brick and concrete, \$60,000. Alameda, Alameda Co., Cal. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. A large number of figures were received on November 7th for the construction of this building, and all have been taken under advisement. A complete list of the bids will be found under the heading of Oakland and Alameda County in this issue.

SEWER CONSTRUCTION—Cost not stated. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County. Bids will be opened on November 27th for the construction of a storm sewer along Spruce street, Rose street and Walnut street, in Ocean View Road District, and the city of Berkeley.

FACTORY—1 story, brick, \$10,000. Emeryville, Alameda Co., Cal. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owner, J. A. Muller. Will cover a considerable ground area. Plans complete and owner taking figures.

MACHINE SHOP—1 story, brick, \$6,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. Location, Broadway near 29th street. Will cover an area of 15 by 120 feet. Plans being prepared.

HOSPITAL COTTAGES—Frame and concrete, \$106,000. Oakland, Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. The Alameda County Board of Supervisors has rejected all figures for the construction of the six buildings to be erected at the Alameda County Tuberculosis Hospital near Livermore. This action was taken on the advice of the District Attorney, after the bid of W. G. Thornally had been given consideration. Thornally's bid was not the lowest received, but was considered by the Supervisors to be more comprehensive than the lower figure.

HOTEL ALTERATIONS—2 story, frame, \$5,000. Alameda, Alameda Co., Cal. Architect, none. Owner, L. M. Works, 3021 Telegraph avenue, Oakland. Location, Webster and Tunnel road. Work will consist of interior trim, painting, plastering, electric work and plumbing. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. A. Jansen, Hearst Bldg., S. F. Location, north Beverly east Monterey. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOL—1 and 2 story, frame and concrete. Cost not stated. Berkeley, Alameda Co., Cal. Architect, William C. Hays, First National Bank Bldg.,

S. F. Owners, Pacific Unitarian School. Location, Dana and Allston Way. Preliminary plans revised. Funds in the amount of \$15,000 available for construction, but bids not to be called for until additional funds have been secured.

STUDENT BUILDING—4 story and base, Class A construction. Cost not stated. Berkeley, Alameda Co., Cal. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. Will contain 25,000 square feet of floor space. Plans complete and work to be started in February.

Contracts Awarded

HOSPITAL WARD AND ADDITION—2 story, brick and concrete, \$21,000. Oakland, Cal. Architect, Charles Peter Works, Phelan Bldg., S. F. Owners, Alameda County. Contractor, R. W. Littlefield, 365 16th street, Oakland. Contract price, \$21,000.

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Amt.
2601	Price	Price	2500
2602	Lyman	Smith	4000
2603	Price	Price	2500
2604	Taylor	Taylor	2000
2605	Fabing	Fabing	2500
2611	Appell	Anderson	4050
2612	Inland	Franz	12845
2613	Cotrel	Davis	3600
2614	Hansen	Hansen	1750
2615	Roberts	Fortin	4000
2616	Woodward	Woodward	3750
2617	Roem	Roem	2000
2619	Cox	Bartlett	1723
2620	Orellin	Duval	1926
2622	Bilger	City Cornice	4000
2623	Mohr	Mohr	3500
2625	Muldoon	Muldoon	1000
2626	Norris	Norris	2200
2627	Norris	Norris	1800
2628	Norris	Norris	2000
2629	Criger	Warner	2000
2630	Wegerman	Wells	1500
2635	Chambers	Chambers	2500
2637	Dickey	Anderson	500
2638	Patterson	Rogers	7150
2639	Murphy	Tevdahl	4506
2639	Rush	Irish	1000
2640	Ritter	Harrison	2000
2637	Merritt	Dingwell	3000
2640	Fruit & Prod.	Yager	739
2641	Same	Coffin	194
2642	Same	Jackson	943
2642	Same	AXX	560

DWELLING

(2601) W DOLORES AVE 230 N El Centro, Oakland. One-story 5-room dwelling.

Owner.....Raymond B. Price, 5723 Oak Grove Ave., Oakland.

Architect.....None.

Contractor..Price Bros., 5723 Oak Grove Ave., Oakland.

COST, \$2500

OFFICE

(2602) W BROADWAY 250 N Moss Ave., Oakland. One-story office.

Owner.....Lyman & Smith, 5667 Shafter Ave., Oakland.

Architect.....None.

Day's work.....

COST, \$400

DWELLING

(2603) W DOLORES AVE 270 N El Centro, Oakland. One-story 5-room dwelling.

Owner.....Raymond B. Price, 5723 Oak Grove Ave., Oakland.

Architect.....None.

Contractor..Price Bros., 5723 Oak Grove Ave., Oakland.

COST, \$2500

DWELLING

(2604) NE FIFTEENTH AVE AND E-17th, Oakland. One-story 5-room dwelling.

Owner.....G. Taylor, 96 Pearl, Okd.
Architect...None.
Day's work. COST, \$2000

DWELLING

(2605) N HAMPEL 158 W Park Blvd., Oakland. One-story 6-room dwelling

Owner.....F. N. Fabing, 3515 13th Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

FRAME DWELLING

(2611) SW SAN CARLOS AVE 150 NW Oakland Ave NW 50 SW 169.37 SE 49.9 NE 164.14, Piedmont. All work for two-story 7-room frame dwelling and garage.

Owner.....Miriam L. Appell, 824 Hyde San Francisco.
Architect...Hiram King Lovell, 402 Hearst Bldg., S. F.

Contractor...Nils Anderson, Oakland.
Filed Nov. 6, '16. Dated Nov. 1, '16.
1st floor joists set.....\$1000
Ready for plaster.....1000
Completed and accepted.....1050
Usual 35 days.....1000
TOTAL COST, \$4050

Bond, \$2025. Surety, Massachusetts Bonding & Insurance Co. Limit, 90 days after Nov. 6. Forfeit, none. Plans and specifications filed.

BRICK FACTORY

(2612) W WATTS 230 S Park Ave S 176 W 150 N 76 W 130 N 100 E 260, Emeryville. All work for one-story and two-story reinforced concrete and brick factory.

Owner.....Inland Floor Co., 18th and Harrison, San Francisco.

Architect...J. E. Kraft & Sons, Pheasant Bldg., San Francisco.

Contractor...Val Franz & Son, 185 Stevenson, San Francisco.

Filed Nov. 6, '16. Dated Nov. 4, '16.
1/2 brick and concrete walls completed.....\$2000
All brick and concrete walls completed.....2500
Tar and gravel roof on.....2500
Completed and accepted.....2600
36 days after.....3245
TOTAL COST, \$12,845

Bond, \$6500. Sureties, Fred P. Fischer and Henry Eggeling. Limit, Feb. 1, '17. Forfeit, \$8. Plans and specifications filed.

FRAME DWELLING

(2613) LOT 24 BLK 12 Thousand Oaks Tract, Oakland Tp. All work for one and one-half-story frame dwelling.

Owner.....Thomas Cotrel, Berkeley.
Architect...None.

Contractor...C. A. Davis, Oakland
Filed Nov. 6, '16. Dated Nov. 4, '16.
Frame up.....34
Brown coated.....34
Completed.....34
Usual 35 days.....34
TOTAL COST, \$3600

Bond, none. Limit, 90 days from Oct. 30. Forfeit, \$1. Plans and specifications filed.

(2614) S SPRING 600 E Adeline, Oakland. One-story 7-room dwlg.

Owner.....P. M. Hansen, 810 56th St., Oakland.

Architect...None.
Day's work. COST, \$1750

(2615) NO. 529 THIRTY-FIRST ST., Oakland. Alteration and brick chimney.

Owner.....Mrs. Henry Roberts, Prem.
Architect...None.

Contractor...O. V. Fortin, 2359 Waverly, Oakland.

COST, \$400

(2616) W EVANS AVE 225 N Wellington, Oakland. One-story 5-room dwelling.

Owner.....Mahel Woodard, Oakland.
Architect...None.

Contractor...E. W. Woodard, 4025 Brighton Ave., Oakland.

COST, \$1750

(2617) S MONTE VISTA 175 W Grand Ave., Oakland. One-story 5-room dwelling.

Owner.....N. Z. Roem, 1135 Grand Ave., Oakland.

Architect...None.
Day's work. COST, \$2000

(2619) S MCKINLEY AV 75 E Spruce, E 46x100, Oakland. All work for two-story and basement frame dwelling.

Owner.....Otis M. Cox.

Architect...Hamilton Murdock and W. Crim, Jr., 425 Kearny St., San Francisco.

Contractor...John Bartlett.

Filed Nov. 8, '16. Dated Oct. 17, '16.

Frame up ready for roofing.....\$931

Plastered.....931

Completed and accepted.....931

Usual 35 days.....930
TOTAL COST, \$3723

Bond, \$1862. Sureties, Massachusetts Bonding and Insurance Co. Forfeit, none. Limit, 90 days. Plans and specifications filed.

REPAIRS

(2620) NO. 1561 JACKSON, Oakland.

Fire repairs to dwelling.

Owner.....Arthur Crellin, Premises.
Architect...None.

Contractor...Oliver Duval & Son, Dalmat Bldg., Oakland.

COST, \$1926

MARQUISE

(2623) NO. 628 SIXTEENTH, Oakland.

Marquise.

Owner.....Frank Bilger, 1st Savings Bank Bldg., Oakland.

Architect...None.

Contractor...City Cornice Works, 3121 San Pablo Ave., Oakland.

COST, \$400

COTTAGE

(2624) S SAN CARLOS, Lot 154, Nova Piedmont, Piedmont. One-story five-room cottage.

Owner.....Geo. Mohr, 2055 University Ave., Berkeley.

Architect...None.

Day's work. COST, \$3500

DWELLING

(2625) SW GASKILL AND AILEEN, Oakland. One-story 5-room dwlg.

Owner.....J. Muldoon 2417 Blake, Berkeley.

Architect...None.

Day's work. COST, \$1000

DWELLING

(2626) SW RICHMOND AVE AND 29th, Oakland. One-story 5-room dwelling.

Owner.....Justus Norris, 2828 Richmond Ave., Oakland.

Architect...None.

Day's work. COST, \$2200

DWELLING

(2627) W RICHMOND AVE 100 S 29th Oakland. One-story 4-room dwlg.

Owner.....Justus Norris, 2828 Richmond Ave., Oakland.

Architect...None.

Day's work. COST, \$1800

DWELLING

(2628) S TWENTY-NINTH 30 W Richmond Ave., Oakland. One-story five-room dwelling.

Owner.....Justus Norris, 2828 Richmond Ave., Oakland.

Architect...None.

Day's work. COST, \$2000

DWELLING

(2629) W FIFTY-SEVENTH AVE 120 S Foothill Blvd. Oakland. One-story 5-room dwelling.

Owner.....J. J. Criger, 1941 24th Ave., Oakland.

Architect...None.

Contractor...S. A. Warner, 5394 Princeton, Oakland.

COST, \$2000

STORE

(2630) S E-FOURTEENTH 25 E 96th Ave., Oakland. One-story store.

Owner.....A. Weyerman, 9815 E-14th, Oakland.

Architect...None.

Contractor...E. E. Wells, Box 182, Elmhurst, P. O.

COST, \$1500

DWELLING

(2631) N BROOKDALE 280 W Lilac, Oakland. One-story 5-room dwelling.

Owner.....J. F. Chambers, Plaza Bldg., Oakland.

Architect...None.

Day's work. COST, \$2500

GARAGE

(2632) NO. 132 DRACENA AVE., Piedmont. All work for garage.

Owner.....C. H. Dickey, Premises.

Architect...Dickey & Donovan, Perry Bldg., Oakland.

Contractor...James Anderson.

Filed Nov. 8, '16. Dated Nov. 7, '16.

On 1st and 15th of each month 75%
Usual 35 days.....25%
TOTAL COST, \$500

Bond, none. Limit, Dec. 7. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(2633) LOT 171 and Ptn Lots 170, 179, 180, Nova Piedmont, Piedmont. All work for two-story 9-room frame dwelling.

Owner.....Mrs. Mary L. Patterson, Oakland.

Architect...None.

Contractor...Jos. F. Rogers, 752 13th, Oakland.

Filed Nov. 9, '16. Dated Nov. 2, '16.

Rafters on.....\$1900

Brown coated.....1750

Interior ready for paint.....1750

All bill paid.....1750
Owner can hold \$750 for 35 days
If he wishes.....

TOTAL COST, \$7150

Bond, none. Limit, 120 days after Nov. 2. Forfeit, none. Plans and specifications filed.

BRICK GARAGE

(2634) N FIFTY-FIRST 78 W Telegraph Ave., Oakland. All work for one-story brick garage.

Owner.....Michael Murphy, Ekly.

Architect.....James W. Plachek, Acheson Bldg., Berkeley.

Contractor.....C. Texdahl, 3035 Harper, Berkeley.

Filed Nov. 9, '16. Dated Nov. 6, '16.

Brick work completed to trusses 1/4

Roofed 1/4

Completed and accepted..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$4806

Bond, \$3604.50. Surety, Massachusetts Bonding & Insurance Co. Limit, 65 days. Forfeit, none. Plans and specifications filed.

SHOP

(2635) NW DERBY AND CHAPMAN, Oakland. One-story work shop.

Owner.....G. F. Bush, 1425 1st Ave., Oakland.

Architect.....None.

Contractor.....M. J. Irish, 373 24th, Okd.

COST, \$1000

DWELLING

(2636) N FORTY-FIRST 730 W Telegraph Ave., Oakland. One-story 3-room dwelling.

Owner.....Angelina Ritter, 40th and West, Oakland.

Architect.....None.

Contractor.....R. A. Hutchinson, 470 13th, Oakland.

COST, \$2000

DWELLING

(2637) S ANNERLY ROAD 270 E Harvard Road, Oakland. One-story six-room dwelling.

Owner.....Stanley Merritt, Townsend Apartments, Oakland.

Architect.....None.

Contractor.....J. F. Dingwell, 2021 West, Oakland.

COST, \$3000

SHEET METAL WORK

(2640) (1) SW SECOND AND FRANKLIN 100x75; (2) S Second, bet Broadway and Franklin 28x75, Oakland.

Sheet metal work for two-story and mezzanine brick store building and one-story brick store building.

Owner.....Fruit & Produce Realty Co.

Architect.....Chas. W. McCall, Central Bank Bldg., Oakland.

Contractor.....Yager Sheet Metal Co., 3509 Chestnut, Oakland.

Filed Nov. 10, '16. Dated Nov. 1, '16.

Completed and accepted.....\$610

Usual 35 days..... 189

TOTAL COST, \$799

Bond, \$400. Sureties, H. A. Mosher and E. Bothwell. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ELECTRIC WORK ON ABOVE

Contractor, E. M. Coffin, 108 Blair Ave., Oakland.

Filed Nov. 10, '16. Dated Nov. 2, '16.

Roughing in completed.....\$105

Completed and accepted..... 39

Usual 35 days..... 50

TOTAL COST, \$194

Bond, none. Limit, 10 days. Forfeit, none. Plans and specifications filed.

PLUMBING ON ABOVE.

Contractor, Fred J. Jackson, 1011 Franklin, Oakland.

Filed Nov. 10, '16. Dated Oct. 28, '16.

Roughed in\$471.50

Completed and accepted..... 235.50

Usual 35 days..... 236.00

TOTAL COST, \$943.00

Bond, none. Limit, 5 days. Forfeit, none. Plans and specifications filed.

LATH AND PLASTER ON

above.

Contractor.....A. E. Axx.

Filed Nov. 10, '16. Dated Oct. 30, '16.

Brown coated\$280

Completed and accepted..... 140

Usual 35 days..... 140

TOTAL COST, \$560

Bond, none. Limit, 20 days. Forfeit, none. Plans and specifications filed.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2606	Hawley	Barnett	5000
2607	Pettersen	Pinkerton	400
2608	United Home Bldrs.	Owner	2400
2609	Sipple	Frates	400
2610	Janssen	Janssen	2000
2618	Schmidt	Schmidt	26000
2622	Perrier	Held	400
2638	Hamilton	Lancher	1500
2639	Janssen	Janssen	2000

DWELLING

(2606) NE ETON COURT 126 E Claremont Ave., Berkeley. One and one-half-story 7-room dwelling.

Owner.....W. A. Hawley, 816 56th, Oakland.

Architect.....None.

Contractor.....H. M. Barnett, 859 Aileen, Oakland.

COST, \$5000

SHINGLE

(2607) NO. 2041 CEDAR, Berkeley. Shingling.

Owner.....Mrs. C. S. Pettersen, 1310 Bonita, Berkeley.

Architect.....None.

Contractor.....J. A. Pinkerton, 1931 Berryman, Berkeley.

COST, \$400

DWELLING

(2608) S PORTSMOUTH ROAD 250 S Wildwood Ave Lot 8, Lakewood Park, Piedmont. One-story 5-room dwlg.

Owner.....United Home Bldrs., 1527 Broadway, Oakland.

Architect.....None.

Day's work..... COST, \$2400

ALTERATIONS

(2609) NO. 2118 ASHBY AVE., Berkeley

Alterations

Owner.....Henry Sipple, 375 Valencia, San Francisco.

Architect.....None.

Contractor.....Frank Frates, 1456 Harrison, San Francisco.

COST, \$400

DWELLING

(2610) N BEVERLY PLACE 200 E Monterey, Berkeley. One-story five-room dwelling.

Owner.....E. A. Janssen, 146 Schrader, San Francisco.

Architect.....None.

Day's work..... COST, \$2000

NW DURANT AV AND ELLS-

wORTH W 100xN 50 Berkeley. All work for three-story frame apartments.

Owner.....E. A. Schmidt, 71 10th, Oakland.

Architect.....None.

Contractor.....E. A. Schmidt, Oakland

Filed Nov. 6, '16. Dated Nov. 6, '16.

Frame up 1/4

Brown coated 1/4

Complete 1/4

Usual 35 days 1/4

TOTAL COST, \$26,000

Bond, Sureties, Forfeit, none. Limit, 120 days. Plans and specifications filed.

ALTERATIONS

(2622) NO. 217 SHATTUCK AVE., Berkeley. Alterations.

Owner.....Francis Ferrier, 2105 Shattuck Ave., Berkeley.

Architect.....None.

Day's work..... COST, \$400

DWELLING

(2638) E CURTIS 512 1/2 S Gilman, Berkeley. One-story 6-room dwelling.

Owner.....Lollie Ellice Hamilton, 1243 Curtis, Berkeley.

Architect.....None.

Contractor.....J. E. Lancher, 1217 Curtis, Berkeley.

COST, \$1500

DWELLING

(2639) N BEVERLY PLACE 100 E Monterey, Berkeley. One-story 5-room dwelling.

Owner.....E. A. Janssen, 714 Hearst Bldg., San Francisco.

Architect.....None.

Day's work..... COST, \$2000

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2621	Works	Works	5000

ALTERATIONS

(2621) WEBSTER & TUNNEL ROAD, Alameda. Alterations and repairs to two-story frame hotel.

Owner.....M. L. Works, 3021 Telegraph Ave., Oakland.

Architect.....None.

Day's work..... COST, \$3000

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Nov. 10, 1916.—W RIGHT OF WAY OF

Southern Pacific Railway 90 S

Powell S 325xW 360, Emeryville.

Western Carbonic Acid Gas Co as to improvements on leased property.

OAKLAND BUILDING SUMMARY.

October, 1916.

Classification of Bldgs.	No. of Permits	Cost
1-story dwellings.....	65	\$110,912.00
1 1/2-story dwellings.....	4	9,200.00
2-story dwelling.....	5	24,650.00
2-story flats.....	1	1,600.00
2-st dwlg and barn.....	1	2,100.00
2-story school annex.....	1	15,000.00
1-story parish house.....	1	4,162.00
2-story undertaking parlors.....	1	5,000.00
5-st Class "C" apartments and stores.....	1	140,000.00
2-st brick stores and offices.....	1	16,000.00
1-story brick stores.....	2	11,400.00
2-story brick laundry.....	1	4,000.00
2-story brick and concrete store building.....	1	12,000.00
1-story brick and concrete store building.....	1	2,300.00
1-story brick shed.....	1	100.00
1-story frame stores.....	2	7,830.00
1-st frame warehouse.....	1	500.00
1-story greenhouses.....	2	1,000.00
1-story office.....	1	300.00

1-story rest room.....	1	700.00
Gasoline station.....	1	100.00
Marquise.....	1	1,475.00
Electric signs.....	8	983.00
Additions.....	78	22,546.50
Garages, sheds and stables.....	64	10,116.00
Work shops, tank frames and barns....	4	650.00
Alterations and repairs	130	34,415.50

Total.....381 \$441,690.00

SUMMARY

New construction.....251 \$407,274.50

Alterations and repairs 130 34,415.50

Total.....381 \$441,690.00

October, 1915.....384 467,329.59

Decrease.....3 \$ 25,649.59

Total for January to October, 1916,

inclusive, permits 3131; cost, \$4,696,382.

Total for January to October, 1915,

inclusive, permits, 2824; cost, \$4,302,

279.89.

Increase over 1915, 307 permits; cost,

\$383,102.11.

BERKELEY.

October, 1916.....\$179,250

October, 1915.....126,150

Increase over October, 1915.....\$ 53,100

January to October, 1916, incl., \$2,-

689,969.

January to October, 1915, incl., \$1,-

554,950.

Increase over 1915, \$535,019

ALAMEDA.

October, 1916.....\$31,164

October, 1915.....29,146

Increase over October, 1915.....\$ 2,018

January to October, 1916, incl. \$572,-

442.

January to October, 1915, incl. \$300,-

549.

Increase over 1915, \$271,893.

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED

Oct. 21, 1916—NW HIGH 119.97 SW

Santa Rita SW 80 NW 103 NE 80.02

SE 101, Okd. Annie D Morris to

A R Morris.....Oct. 17, 1916

Oct. 21, 1916—S LINE OAKLAND

Homestead Tract and W In Broad-

way S 251 N 243 E 62-6, Okd. Alice

Arnsteln to P A Palmer.....Oct. 14, 1916

Oct. 23, 1916—W 40 LOT 28, Vernon

Tract, Okd. A Hunse to R B Con-

dyser and L Watson.....Oct. 21, 1916

Oct. 23, 1916—W HIGHLAND AVE

260 N Vista Ave N 45xW 130, Pied-

mont. Walter H Creighton to

whom it may concern.....Completed —

Oct. 25, 1916—LOT 20 Map Brookside

Manor, Okd. Joseph S Reef and

Frank W Bilger to whom it may

concern.....Oct. 1, 1916

Oct. 25, 1916—NE HAMPEL 120 NW

13th Ave or Park Blvd NE 35x120,

Okd. Ida Fabing to Fred N Fabing

.....Oct. 24, 1916

Oct. 25, 1916—CENTER LN COUNTY

Road 520 1343.60 NE; NE In County

Road 2045 NE 4269.40 NW 1888 SW

4499 SE 2505.50 SE 1328.10 NE

1679.70, Washington Tp. Clara H

Lyson and Henry H Patterson to

Thayer D Hall.....Oct. 20, 1916

Oct. 25, 1916—E LAGUNA AVE 35 N

Montana N 85x E 162, Okd. I Ariel

Kellogg to whom it may concern..

.....Oct. 24, 1916

Oct. 25, 1916—LOTS 44, 43, 42 and N

13 1/2 Lot 41, Peralta Terrace, Okd.

L W Andersen to whom it may

concern.....Oct. 26, 1916

Oct. 25, 1916—PTN LOTS 8 AND 9

Blk 17, being N 1/2 Plots 84 and 85

Kellersberger's Map V & D, Peral-

ta Rancho being W Bonita about

80 N Rose, Bkly. Caroline Wolbold

to Jacob Kollmer.....Oct. 23, 1916

Oct. 26, 1916—LOT 13 BLK D Water-

side Terrace Tract, Ala. Mark T

Cole to whom it may concern.....

.....Oct. 25, 1916

Oct. 26, 1916—W DEAKIN 45 N

Woolsey, being Lot 2 Hawley Tract,

Bkly. Clelia A Paroni to S Rich-

mond.....Oct. 23, 1916

Oct. 27, 1916—SE BROADWAY 120

SW Central Ave SW 60xSE 140,

Ala. Laura Hrubanik to whom it

may concern.....Oct. 27, 1916

Oct. 27, 1916—SW PORTLAND AND

Colusa, Oakland Tp. O Bernhus

and J Kringlen to whom it may

concern.....Oct. 20, 1916

Oct. 27, 1916—LOT 17 BLK J Dwight

Way Terrace, Bkly. M E Taylor

to J G Taylor.....Oct. 25, 1916

Oct. 27, 1916—E PERALTA AVE, be-

ing No. 4004, Okd. C L Mackl to

M C Vaughn.....Oct. 26, 1916

Oct. 28, 1916—W SHATTUCK AVE

418.1 N 65th N 35 SW 107 SE 35 NE

106, Okd. Margaret Kelly to whom

it may concern.....Oct. 28, 1916

Oct. 28, 1916—N END KILN BLDG.

(for owner) N 102x86, Bkly. Pacific

Guanco & Fertilizer Co to Jepson

Bros.....Oct. 25, 1916

Oct. 30, 1916—SE SIXTH AND UNI-

versity Ave. 100x100, Bkly. The

Berkeley Dispensary, Inc to H P

Nelson.....Oct. 26, 1916

Oct. 31, 1916—N JOSEPH AVE 156

W Peralta Park W 39xN 100, Bkly.

E A Janssen to whom it may con-

cern.....Oct. 25, 1916

Nov. 1, 1916—S BANCROFT WAY

450 E Dana, Bkly. N R Davidson

to C H Warren.....Oct. 27, 1916

Nov. 2, 1916—LOT 18 BLK 4, Hopkins

Tract No. 4, Bkly. L H Duschak

to Riddell Bldg Service Corp.....

.....Nov. 1, 1916

Nov. 3, 1916—W POMONA AVE 200

and 240 N Main, being Lots 191,

192, 193 and 195 Terminal Junction

Tract, Albany. Madge H Jones to

whom it may concern.....Oct. 26, 1916

Nov. 3, 1916—LOT 15 BLK "C" Map

Oakland Highlands, Okd. Emma

Coburn to whom it may concern..

.....Completed —

Nov. 3, 1916—LOT 20 AND E 2 Lot

19 Blk "A" Map Waterside Terrace,

Alameda. Mark T Cole to whom it

may concern.....Nov. 2, 1916

Nov. 4, 1916—SE PARK AVE AND

Harlan, Emeryville. Peoples Bak-

ing Co to Harry C Knight.....Oct. 25, '16

Nov. 6, 1916—NO. 243 AUSEON AV

being Lot 30 and SW 15 Lot 29 Blk

6 Auseon's Moss Tract, Oakland.

Joseph St. Mary to whom it may

concern.....Nov. 6, 1916

Nov. 6, 1916—W GRANT 90 S Dela-

ware S 45xW 105, Bkly. B F Butler

to whom it may concern.....Nov. 4, 1916

Nov. 8, 1916—W 35 LOT 8, BLK 174,

Grayson Tract, Berkeley. F. Hol-

berg Reimers to whom it may con-

cern.....Nov. 4, 1916

Nov. 8, 1916—LOT 20, BLK 3, Re-

vised Map Rock Ridge Park, Oak-

land. W. G. Hammel to Riddell

Building Service Corp.....Nov. 1, 1916

Nov. 8, 1916—SW NINEENTH ST.

and 19th avenue, S 35xW 100, Oak-

land. Wm. B. White to whom it

may concern.....Nov. 6, 1916

Nov. 8, 1916—LOT 4, BLK 2, Key-

stone Tract, Berkeley. F. Holberg

Reimers to whom it may concern

.....Nov. 4, 1916

Nov. 9, 1916—S CARLTON 240-36 W

Seventh W 696.52 SW 408.52 NE

969.50 NW 409.31, Bkly. Feet Bros

Mfg Co to The Turner Co (two

acceptances).....Oct. 33, 1916

Nov. 9, 1916—LOT 16 BLK "C" Clare-

mont Court and Lot 17 Blk "Q"

Claremont Court, Bkly. Franklin

P Nutting to F E Nelson.....Nov. 3, 1916

LIENS FILED

ALAMEDA COUNTY.

Oct. 18, 1916—LOT 17 Nova Piedmont

Tract, Piedmont. M Stulsaft Co vs

C E Wheeland and J A McKeever..

.....\$170

Oct. 18, 1916—LOT 17 BLK "W" North-

brae Terrace, Bkly. F W Foss Co.

vs Velma C and Clarence E Condon

and C Fleischer.....\$108.63

Oct. 19, 1916—PTN LOT 8 Map Sub-

division Kellersberger Plot 72, Okd.

W S Hurst vs Lloyd E Rabjohn

and C M Charman.....\$45

Oct. 20, 1916—LOT 18 BLK "M" North-

brae Terrace, Bkly. Tilden Lum-

ber Co vs S B Batsford and J S Han-

son.....\$51.84

Oct. 20, 1916—LOT 7 BLK "U" Map

Oakland Heights, being No. 437

Elwood Ave, Okd. Inland Floor Co

vs Charles F Fallmer.....\$71

Oct. 21, 1916—(1) PTN AUGHIN-

baugh 223.374 Acre Tract; (2) Lots

22, 25, 26, 27 and Ptn Lots 23 and

24 Sec 11 and Lot 6 Sec 14 Tp 2 S

Range 4 W M D M Sale Map No. 10,

Salt Marsh & Tide Lands, Alameda.

W W Montague & Co vs J O Davis

& Surf Beach Amusement Co.....\$60.58

Oct. 21, 1916—SE TWELFTH AVE 76

SW E-15th SW 50xSE 110, Okd.

Kimball Elec Co vs G H Merithew,

Estate Hattie D Merithew, James

E and May J Reiter.....\$135.93

Oct. 21, 1916—LOT 20 Brookside

Manor, Okd. Spott Bros vs Ed

Collins, Joseph S Reef and Frank

W Bilger.....\$43.75

Oct. 21, 1916—LOT 17 on Jerome Ave

Nova Piedmont Tract, Piedmont. A

F Virgil vs C E Wheeland.....\$82.40

Oct. 21, 1916—LOT 17 Sheet No. 2

Nova Piedmont, Piedmont. Panama

Lumber & Mill Co vs C E Wheeland

.....\$48.98

Oct. 21, 1916—LOT 17 Map Nova Pied-

mont, Piedmont. John P Maxwell

(Maxwell Hardware Co) vs Charles

E Wheeland and W Perkins.....\$147.98

Oct. 21, 1916—PTN LOT 8 Map Sbdvn

of Kellersberger's Plot No. 72,

Okd. R B Stuart vs Lloyd E Rab-

john.....\$68.275

Oct. 23, 1916—(1) PTN AUGHIN-

baugh 223.374 Acre Tract. Burn-

ham-Standeford Co vs H A Christo-

ful, Sanford Gordon, Surf Beach

Amusement Co C L Williams and

E W McConnell.....\$251.40

Oct. 23, 1916—LOT 17 Map Nova

Piedmont, Piedmont. W J Cahill

vs Charles E Wheeland.....\$162.50

Oct. 23, 1916—LOT 17 Sheet No. 2.
Nova Piedmont, Piedmont. John A.
McKeever vs Charles E Wheeland
.....\$143

Oct. 24, 1916—PTN LOT 8 Sbdvn
Kellersberger's Plot No. 72, Oak-
land Tp, Oakland. Charles D Heywood
Oct. 24, 1916—PTN LOT 8 Sbdvn
Kellersberger's Plot 72, Oakland
Tp, Oakland. Charles D Heywood
and George A Lloyd (Heywood
Lumber & Supply Co) vs Maurice
G and Bertha D Logan and C M
Charreau\$197.05

Oct. 25, 1916—PIECE OF LAND
bounded on N by Armstrong; E by
Staeb et al; S by East; W by First
being Blk 2, Armstrong Tract, Hay-
ward. Nils Quist vs Frank Caten,
John Doe and Frank Vargas.....\$38.32

Oct. 26, 1916—LOT 4 AND NE 11 LOT
3 Blk "B" Map Everett Tract, Okd.
George H Tay Co vs L L Woodard
and L V Gelder\$82.22

Oct. 28, 1916—NE TWENTY-FOURTH
and Valdez E 151 N 140 fm pt beg
W 70 N 40 E 61 S 40, Okd. German-
stone Mfg Co vs Laura and Orrin E
Allen\$12.50

Oct. 28, 1916—NW LOT 10 Map W. G.
Henshaw's Sbdvn Lots at 24th and
Bay Place N 13.66 W S N 25.91 NW
143.82 S 37.2 th at L 162%. Okd.
Germanstone Mfg Co vs Laura and
Orrin E Allen.....\$108

Oct. 28, 1916—PTN LOT 1 Map Duffy
Tract, Okd. Germanstone Mfg Co
vs Laura and Orrin E Allen.....\$12.50

Oct. 28, 1916—LOT 40 BLK 1, Ber-
keley Heights, Bkly. W H Picard
vs H F Kern.....\$53.30

Oct. 30, 1916—LINE DIVIDING LOTS
8 and 9 10.33 NW center line Bench
Road NW 276.78 NW 16.76 fm pt
beg NE 122.54 NW 70 SW 109.43 SE
29.08, Okd. George H Tay Co vs A
Severy and Lloyd E Rabjohn.....\$72.29

Oct. 31, 1916—PTN LOT 8 Map
Kellersbergers Sbdvn Plot 72 of
City of Oakland. Geo Robinson, \$16
Nov. 1, 1916—S 50 LOT 21 BLK "D"
Map Broadway Terrace, Okd. R H
Chamberlain vs Walter H Creigh-
ton\$55.65

A W Chappell, \$18; W E Drake,
\$72; W P Fuller & Co, \$23.81 vs
Lloyd E Rabjohn, C M Charreau
and W E Drake.....

Nov. 2, 1916—PTN AUGHINBAUGH
223.374 Acre Tract, Alameda. Wm
Makin vs Surf Beach Amusement
Co and Surf Beach Park Co, H A
Christofel and S Gordon.....\$153

Nov. 3, 1916—PTN AUGHINBAUGH
223.374 Acre Tract, Alameda. K
C Shurick vs E W McConnell, C
L Williams, Surf Beach Amusement
Co, H Christoferson and Sanford
Gordon\$154.60

Nov. 4, 1916—PTN LOT 8 Map Sbdvn
of Kellersberger's Plot 72, Oakland
Tp. Pacific Fuel & Bldg Materials
Co vs C M Charreau, L E and Lois
Rabjohn\$25.66

Nov. 4, 1916—LINE DIVIDING LOTS
8 and 9 10.33 NW center line Bench
Road NW 276.78 NW 16.76 fm pt beg
NE 122.54 NW 70 SW 109.43 SE 29.08
Kellersbergers Sbdvn Plot 72, Okd.
The Art Fixture Co vs C M Char-
reau and Lloyd E Rabjohn.....\$33.35

Nov. 6, 1916—PTN LOT 8 Kellersber-
ger's Sbdvn Plot 72 of City of Oak-
land, Oakland. Swift & Wilcox vs
Lloyd E Rabjohn and C M Char-
reau\$156.90

Nov. 6, 1916—LOT 200 Map Crocker

Highlands, Oakland. Redwood
Manufacturers Co vs Christ Nelson,
Peter Buhman, Alta Piedmont Land
Co and F M Gliberd.....\$1302.65

Nov. 6, 1916—PTN AUGHINBAUGH
223.374 Acre Tract, Ala. John P
Woods vs Surf Beach Amusement
Co, Surf Beach Park Co, H A
Christofel and S Gordon.....\$60

Nov. 6, 1916—PTN PLOT 72, V. and
D. Peralto Rancho, Oakland. Ham-
mond Lumber Co. vs. C. M. Char-
reau and Lloyd E. Rabjohn.....\$60.19

Nov. 8, 1916—LOT 9, BLK 7, Map Ie-
subdivision Blks 9, 10, 11, 12, 13, 14,
and ptn Blk 16, Rockridge Terrace,
Oakland. H. Brownlow Shepherd
and S. G. Whittelsey (Shepherd &
Whittelsey) vs. Blake Bros Co. &
Oakland Investment Co.\$210.10

Nov. 9, 1916—PTN AUGHINBAUGH
223.374 Acre Tract, Alameda. Wm
Makin vs Surf Beach Amusement
Co, Surf Beach Park Co, H A
Christofel and S Gordon.....\$153

Nov. 9, 1916—LOT 1 BLK "D" Ex-
celsior Heights Okd.. Fred Koenig
vs Paul E Joseph.....\$82.85

SAN JOSE AND THE SANTA CLARA VALLEY

STREET IMPROVEMENTS—Cost not
stated. Daly City, San Mateo Co., Cal.
Engineer. City Engineer Daly City.
Owners, Daly City. Bids will be op-
ened on November 27th at 8 p. m. for
street improvements authorized under
the following resolutions: That Alpha
avenue, Beta avenue, Como avenue,
Lake avenue and Gambetta avenue be
graded between the property lines and
from the east line of Mission road to
the east boundary line of Vista Grande
Tract No. 2 and Vista Grande Tract
No. 3; also Mission road be graded be-
tween the east curb line and the east
property line thereof, and from a line
115.31 south of the south line of Gam-
betta avenue, produced, to a line 305.-
75' north from the north line of Alpha
avenue.

Also that a 4-inch, vitrified, salt-
glazed ironstone pipe lateral sewer,
with Y cement concrete sidewalks, and
combined cement concrete gutters 14
inches wide and armored concrete
curbs be constructed, and an asphaltic
concrete pavement consisting of a 1-
inch cement concrete base and 1½-inch
asphaltic concrete surface be con-
structed in the roadway, etc.

DRAINAGE DISTRICT—\$12,000. San
Jose, Santa Clara Co., Cal. Engineer.
County Surveyor, San Jose. Owners,
Santa Clara County. Two bids were re-
ceived by the Santa Clara County Su-
pervisors at their last meeting for the
construction of the Foxworthy Drain-
age District in Supervisor District No.
4. The Surveyor's estimate was \$12.-
000. The Raich Improvement Co.,
1108 Crocker Bldg., S. F., submitted a
bid of \$11,790, and John F. Adams, 268
Martin street, San Jose, at \$14,897. The
bid of the Raich Improvement Com-
pany was taken under advisement.

TELEPHONE EXCHANGE—1 story,
concrete, \$10,000. Hillsborough, San
Mateo Co., Cal. Architects, Howard &
White, Lelick Bldg., S. F. Owners, Pa-
cific Telephone and Telegraph Co. Will
contain main office, operating room and
private office. Plans complete and fig-
ures being taken.

Contracts Awarded.

SCHOOL—2 story and base, brick
and concrete, \$75,191. Watsonville,
Santa Cruz Co., Cal. Architect, W. H.

Weeks, 75 Post street, S. F. Owners,
Watsonville Union High School Dis-
trict. Contractor, Robert Trost, 26th
and Howard streets, S. F., general con-
struction, \$75,191. Turner Co., 272 Na-
tona street, S. F., plumbing, \$5,190.
Heating ventilating and program
cloaks taken under advisement. A com-
plete list of these bids will be found
under the heading of Bids Opened in
this issue.

CONVENT—2 story and base, brick
and frame, \$102,700. Santa Clara, Santa
Co., Cal. Architects, Maginnis & Walsh,
Boston. Owners, Carmelite Sisters.
Contractors, Larsen-Sampson Co.,
Crocker Bldg., S. F. Contract price,
\$102,700.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

MECHANICAL EQUIPMENT

SAN JOSE HIGH SCHOOL SITE, San
Jose. All work for mechanical equip-
ment for San Jose High School.
Owner.....San Jose School Board.
Architect...William Binder, Rea Bldg.,
San Jose.

Contractor...J. C. Hurley & Co., 509 6th
St., San Francisco.

Filed Nov. 4, '16. Dated Oct. 18, '16.
As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$2284

Bond, \$1142. Surety, Massachusetts
Bonding & Insurance Co. Limit, 2½
months. Forfeit, none. Plans and
specifications filed.

STEAM HEATING FOR HOME ECON-
omies building and pneumatic water
supply on above.

Contractor...Mangrum & Otter Co., 561
Mission St., San Francisco.

Filed Nov. 4, '16. Dated Oct. 23, '16.
Payments same as above.....

TOTAL COST, \$3827

Bond, \$1918.50. Sureties, C. A. Parlier
and O. A. Rudolph, Limit, in reasonable
time. Forfeit, none. Plans and spec-
ifications filed.

ALTERATIONS

SOUTH FIRST ST., bet. San Fernando
and San Antonio Sts., San Jose. All
work for store front and repairs to
one-story garage and store building.
Owner.....F. A. Baumgartner, 42
Lenzen St., San Jose.

Architect...Louis Theo Lenzen, 110 S-
Second St., San Jose.

Contractor...J. C. Thorp, Porter Bldg.,
San Jose.

Filed Nov. 6, '16. Dated Nov. 3, '16.
On 1st and 15th of each month 75%
Usual 35 days.....\$2445

TOTAL COST, \$9780

Bond, \$4890. Surety, United States Fi-
delity & Guaranty Co. Limit, 75 days
from filing. Forfeit, none. Plans and
specifications filed.

CONCRETE BUILDING

EAST 36 FEET OF LOT 2 BLK 1
range 6 north of base line of San
Jose. All work for two one-story
reinforced concrete buildings.
Owner.....Joseph A. Lotz, 116 S-9th
St., San Jose.

Architect...Warren Skillings, Garden
City Bank Bldg., San Jose.

Contractor...Frank T. Edmans, 164 E-
Julian St., San Jose.

Filed Nov. 8, '16. Dated Nov. 8, '16.
Forms and reinforcing up.....\$1350
Concrete walls poured..... 1350
Job accepted..... 1350

Usual 35 days..... 1350
TOTAL COST, \$5400
 Bond, \$2700. Sureties, James H. Pierce and Nancy W. Saph. Limit, 65 days after filing. Forfeit, none. Plans and specifications filed.

BRICK BUILDING

BRYANT ST. AND UNIVERSITY AVE.,
 Palo Alto. All work for one-story and basement brick building.

Owner.....Mrs. E. C. Hughes, 205
 Emerson St., Palo Alto and
 Mrs. L. J. Kennedy.

Architect...C. A. Tantau, 519 California St., S. F.; and J. K. Branner.

Contractor...Larsen - Sampson Co.,
 Crocker Bldg., S. F.

Filed Nov. 8, '16. Dated Nov. 6, '16.
 On 1st of each month..... 75%
 Usual 35 days..... 25%

TOTAL COST, \$17,928

Bond, \$8964. Surety, New Amsterdam Casualty Co. Limit, 90 days from filing. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS**SAN MATEO COUNTY.****PLUMBING WORK**

LOTS 1, 2, 3, 12, 13, 14 Blk 5, Burlingame Hills, Burlingame. Plumbing, sewers, gas service, etc., for residence.
 Owner.....Mrs. Edwin A. Christenson, San Francisco.

Architect...Charles E. Gottschalk, Phelan Bldg., S. F.
 Contractor...Alexander Coleman, 706 Ellis St., San Francisco.

Filed Oct. 19, '16. Dated Oct. 18, '16.
 On 1st of each month..... 65%
 Usual 35 days..... 25%

After all fixtures are installed... 10%

TOTAL COST, \$1375

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RECTORY

SECOND AVE near County Road, San Mateo. All work for two-story Rectory for St. Matthew's Church.

Owner.....Walter H. Cambridge, 16 Baldwin St., San Mateo.
 Architect...Lewis P. Hobart, Crocker Bldg., San Francisco.

Contractor...McLeran & Peterson, Sharon Bldg., San Francisco.

Filed Nov. 4, '16. Dated Nov. 1, '16.
 On 15th of each month..... 75%
 Usual 35 days..... 25%

TOTAL COST, \$16,650

Bond, \$8325. Sureties, B. Alfred Howkins and Bradley & O'Reilly (by P. W. Bradley). Limit, 90 working days. Forfeit, \$25 per day. Plans and specifications filed.

FRAME DWELLING

LOT 1 BLK 2, Glenwood Park Sub., San Mateo. All work for one-story frame dwelling with garage.

Owner.....Roger Haley, Burlingame.
 Architect...Ernest L. Norberg, Phelan Bldg., San Francisco.

Contractor...H. C. Lewis, S. F.
 Filed Nov. 4, '16. Dated Nov. 2, '16.

When framed\$997.50
 Rough plastered 997.50
 When completed 997.50
 Usual 35 days..... 997.50

TOTAL COST, \$3990.00

Bond, \$2000. Surety, Irving Ackerman. Limit, 90 days. Forfeit, \$25 per day. Plans and specifications filed.

COMPLETION NOTICES**SANTA CLARA COUNTY.****RECORDED**

Nov. 3, 1916—LOT 25 Beal Ptn Blk 2,
 Beal Subdiv Lots 23 and 24, Rancho
 de Los Coches. Dora E. Clark to
 Fred E. Keesling.....Oct. 30, 1916

ACCEPTED**RELEASE OF LIENS****SANTA CLARA COUNTY.****RECORDED**

Nov. 2, 1916—SBDVNS 74 AND 75,
 Clarke Ranch. Andrew Peterson to
 Spokane-Stanford Land Co.....\$262.61

AMOUNT**MARIN, CONTRA COSTA AND SONOMA COUNTIES**

FIRE HOUSE—1 story, frame and concrete, \$12,000. San Rafael, Marin Co., Cal. Architects, Maston & Lobet, San Rafael. Owners, City of San Rafael. Will contain apparatus room and living quarters. Plans being prepared.

STORAGE BUILDING—2 story, reinforced concrete, \$20,000. Benicia, Solano Co., Cal. Architect, Chester H. Miller, First National Bank Bldg., Oakland. Owners, United States Government. Will cover an area of 50 by 150 feet. Plans complete and figures being taken.

WATER TUNNEL—\$250,000. San Rafael, Marin Co., Cal. Engineer, A. R. Baker, 824 4th street, San Rafael. Owners, Marin Municipal Water District. Bids will be opened on November 21st for constructing 8,700 feet of tunnel 3 feet in diameter with 6-inch concrete lining.

SCHOOL—2 story and base, brick and concrete, \$60,000. Colusa, Colusa Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Colusa. Working drawings have been completed and bids will be called for as soon as bonds can be sold.

SCHOOL ADDITION—2 story, brick, \$20,000. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, 910 Macdonald avenue, Richmond. Owners, City of Richmond. Bids will be opened on December 4th for an addition to the Union High School. Plans can be secured from the architect.

STREET IMPROVEMENTS—Cost not stated. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. At the last meeting of the San Rafael City Council, Baker & Martin, who accepted the contract to macadamize West End avenue, West street, East street, Jessup street and Hart street, sent a resolution from their attorney asking the Council to rescind the motion granting them the contract for the improvement on said streets, on the ground that the proposition was irregular. The Council investigated the matter and rescinded the contract. The mistake appearing was unavoidable as the City Attorney had attended to the legal matters all right, but in some manner the resolution of street work included a notice to erect a concrete wall.

STREET IMPROVEMENTS—Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, City Engineer, Arnold, Martinez. Owners, City of Martinez. Bids will be opened on November 24th for

street improvements authorized under the following resolution: That cement sidewalks be constructed on both sides of Escobar street between the easterly line of Pine street, of the town of Martinez, easterly to the westerly line of that portion of Escobar street.

HARBOR EXTENSION—\$55,000. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbetts, Alaska-Commercial Bldg., S. F. Owners, City of Richmond. Plans have been completed for additional work in connection with the Richmond inner harbor project and the City Council will shortly call for bids. This work consists of a clay and rock fill of approximately 1500 feet and suction dredger work.

Contracts Awarded

COURT HOUSE HEATING—\$675. San Rafael, Marin Co., Cal. Architect, none. Owners, Marin County. Contractors, Jarvis Co., 275 Connecticut street, S. F. Contract price, \$675.

BUILDING CONTRACTS**CONTRA COSTA COUNTY.****FRAME DWELLING**

W BROADWAY, bet. Roosevelt and Grand Blvd., Pullman, Richmond. All work for one and one-half-story frame dwelling.

Owner.....C. E. Hopping, 1518 Broadway, Oakland.

Architect...None.
 Contractor...A. L. Rector, 624 22nd St., Richmond.

COST, \$1800

FRAME DWELLING

E WILSON, bet. Levison and Grand Blvd., Richmond. One and one-half-story frame dwelling.

Owner.....C. E. Hopping, 1518 Broadway, Oakland.

Architect...None.
 Contractor...A. L. Rector, 624 22nd St., Richmond.

COST, \$1800

FRAME DWELLING

E WILSON, bet. Levison and Grand Blvd., Richmond. One and one-half-story frame dwelling.

Owner.....C. E. Hopping, 1518 Broadway, Oakland.

Architect...None.
 Contractor...A. L. Rector, 624 22nd St., Richmond.

COST, \$1800

RELEASE OF LIENS**SONOMA COUNTY.****RECORDED**

Oct. 31, 1916—DUNCAN'S MILLS,
 Laton Lumber and Investment Co.
 to H. Griffin.....\$162.25
 Nov. 3, 1916—HEALDSBURG, A. F.
 Stevens to Wm J. Folz.....\$348.45
 Oct. 25, 1916—AGUA CALIENTE
 PARK, Sonoma Valley Lumber
 Co to A. J. Lippi and M. Baguisk
\$54.61

COMPLETION NOTICES**SONOMA COUNTY.****RECORDED**

Nov. 6, 1916—SANTA ROSA, J. W.
 Clark to C. D. Roberts...Nov. 1, 1916

ACCEPTED

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

IRRIGATION WORK—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, Chief Engineer, Modesto Irrigation District. Owners, Modesto Irrigation District. Bids will be opened on November 25th by the Board of Directors of the Modesto Irrigation District for separate sealed proposals for each of the following described pieces of construction work to wit: First, for the construction of a concrete lining in the Main canal of the Modesto Irrigation District, beginning at the end of the concrete lined section, below Upper Dominie fill. Second, for the construction of two reinforced concrete structures in Lateral No. 3 of the Modesto Irrigation District.

IRRIGATION WORK—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer Herman, Modesto. Owners, Modesto Irrigation District. At the last meeting of the Board of Directors of the Modesto Irrigation District Chief Engineer Hermann was instructed to prepare plans and specifications for three concrete drops in Lateral No. 4.

CANAL LINING—\$5,584.50. Modesto, Stanislaus Co., Cal. Engineer, Hermann, Modesto. Owners, Modesto Irrigation District. Contractor, James Willison, Redding. Contract price, \$5,584.50.

LODGE HALL—3 story and base. Class A construction, \$100,000. Fresno, Fresno Co., Cal. Architect, Carl Werner, Phelan Bldg., S. F. Owners, Scottish Rite Hall Association. Location, Merced and Van Ness avenue, covering an area of 150 by 150 feet. Preliminary plans approved. Working drawings being prepared. Work to start early in the spring.

LODGE HALL—3 story and base. Class C construction, \$55,000. Visalia, Tulare Co., Cal. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, Visalia Elks' Hall Association. Location, West Main and Locust streets. Will contain lodge rooms, social halls, library and auditorium. Plans complete, figures in and contract to be awarded shortly.

RESIDENCE—1 story and base, frame, \$2,500. Fresno, Fresno Co., Cal. Architect, none. Owners, Hart and Bewald, 846 Mono avenue, Fresno. Location, East Fresno. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SIDEWALK CONSTRUCTION—Cost not stated. Dalano, Kern Co., Cal. Engineer, City Engineer, Delano. Owners, City of Delano. Contractor, Lynn S. Atkinson, Jr., Los Angeles. Contract covers the construction of five miles of concrete sidewalks.

Contracts Awarded.

ELECTROLIER SYSTEM—\$9,575. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, Lewis Electric Co., 1916 Fresno street, Fresno. Contract price, \$9,575.

HOSPITAL ALTERATIONS—Frame and concrete, \$63,850. Fresno, Fresno Co., Cal. Architects, Glass & Butler, Rowell Bldg., Fresno. Owners, Fresno County. Bids were opened by the Supervisors Wednesday, November 8th, for the proposed alterations of the Fresno County Hospital. There were six bidders. The lowest bidder was Manning Bros. of Fresno, who sub-

mitted a figure of \$63,850. The Supervisors have taken the matter under advisement and it is expected that the board will announce its decision shortly. Construction will be of brick and frame. The bidders and their figures follow: Manning Bros., \$63,850; James L. Italy, \$73,000; Johnson Bros., \$74,800; Tri-witt-Shields Co., \$72,000; R. Pedersen & Co., \$69,890; Emmett Rig-gins, \$74,100.

OFFICES—1 story, brick. Cost not stated. Bakersfield, Kern Co., Cal. Architect, Thomas B. Wiseman, Producers' Bank Bldg., Bakersfield. Owner, S. L. Black. Contractors, Currie & Dulger, Bakersfield. Contract price, \$10,000.

APARTMENT HOUSE—2 story, brick, \$25,000. Porterville, Tulare Co., Cal. Architect, F. H. Gentry, Union Oil Bldg., L. A. Owner, Dr. C. E. Smith. Contractor, A. Kaulbeck, Marsh-Strong Bldg., L. A. Contract price, \$25,000.

CEMENT—Cost as follows. Fresno, Fresno Co., Cal. Engineer, County Surveyor, Fresno. Owners, Fresno County. Contractors, Fowler Lumber Co., Fowler. Contract price, 1890 barrels at \$2.81 per barrel.

HIGHWAY WORK—\$8,100. Fowler, Fresno Co., Cal. Engineer, City Engineer, Fowler. Owners, City of Fowler. Contractors, Corfield & Davis, Bakersfield. Contract price, \$8,100.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING
LOTS 1 AND 2 BLK 52, East Fresno.
Dwelling and garage.
Owner,....Hart & Bewald, 846 Mono Ave., Fresno.
Architect...None.
Day's work. COST, \$2950

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
Nov. 6, 1916—LOT 9 BLK 20, Alta Vista Tract, Fresno. Jas L Miller to whom it may concern....Nov. 6, 1916
Nov. 8, 1916—LOT "B" Navelencia, Fresno. Wahtoke Citrus Association to whom it may concern.....Nov. 1, 1916

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That Crocker avenue from Leland Stanford avenue to Willi avenue, be improved by constructing 8 and 10-inch, vitrified ironstone pipe sewer. That Rudin avenue be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from the center line of Crocker avenue to a point 200 feet westerly therefrom, known as Tempest avenue, be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from the center line of Crocker avenue to a point 70 feet westerly from the center line of Stillson avenue. That Willi avenue be improved by constructing an 8-inch, vitrified, ironstone pipe sewer from the center line of Crocker avenue to a point 420 feet westerly therefrom. That Stillson avenue, in the city of Sacramento, be

improved by constructing an 8-inch, vitrified ironstone pipe sewer from the sewer in place on Leland Stanford avenue to Tempest avenue; constructing seven concrete manholes complete with cast iron curbs and covers; placing 72 8-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and 3 6-inch, vitrified ironstone Y branches on 10-inch pipe sewer. Awarded to J. W. Terrell, 1111 29th street, Sacramento.

That the alley between First avenue and Second avenue, from Freepont road to 24th street, in West Curtis Oaks, be improved by constructing an 8-inch, vitrified, ironstone pipe sewer; constructing two concrete manholes; placing 58 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer, and doing all necessary excavating and backfilling of trenches. Awarded to Joe Lawrence Broderick, Cal.

That the alley between Second avenue and Third avenue, in Curtis Oaks, from Fair Oaks street to the Lower Stockton road, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer, two concrete manholes, placing 20 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and doing all necessary excavating and backfilling of trenches. Awarded to J. W. Terrell, 1111 29th street, Sacramento.

That E street, from 22nd street to 25th street be improved by grading the space between the property line and curb, constructing concrete sidewalks 6 feet in width and 3½ inches thick. Awarded to A. Olson, 2721 First avenue, Sacramento.

The City Commissioners have awarded a contract to the McMillan Construction Co., 717 Capitol National Bank Bldg., Sacramento, for the following work: That the alley between R and S streets, from Third street, be improved by constructing two concrete catch basins complete, reconstructing one concrete manhole, placing fourteen linear feet of 6-inch, vitrified, ironstone sewer pipe drain; grading the alley and constructing thereon an asphaltic macadam pavement five inches thick.

RESIDENCE—2 story and base, frame, \$4,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Jack Mayera. Location, Yosemite Terrace. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

RESIDENCE—1 story and base, frame, \$2,000. Ripon, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Mr. Leffer. Location, Ripon Ranch. Will contain five rooms, bath and sleeping porch. A tank house and mill is also included in the plans. Plans are being prepared.

SEWER PIPE—Cost not stated. Lodi, San Joaquin Co., Cal. Engineer, City Engineer, Lodi. Owners, City of Lodi. Bids for furnishing 7,000 feet of salt-glazed, vitrified pipe were received by the City Trustees at their last meeting from the following firms: Gladding-McBean Co., Crocker Bldg., S. F.; John W. Hieb of Lodi, and the Capital Sewer Pipe Works of Sacramento. The bid of Hieb and the Sacramento firm were the same and the award of contract will be made to the firm submitting the best quality of material.

SEWER CONSTRUCTION, PUMPING STATION, ETC—Cost as follows. Stockton, San Joaquin Co., Cal. Engineer,

City Engineer, Stockton. Owners, City of Stockton. The City Council at its last meeting opened the following bids: For a concrete storm sewer 32 inches in diameter from 5th and McKinley avenue at the McDougald Canal. The City Engineer estimated the work at \$8,596.10, and the lowest bid came from the firm of Whitlock & Gorrill, \$9,214.40. The other bids were by W. S. Gauze, \$13,094.28; M. Blumerkranz, \$10,671; Chambers & Heafey, \$14,363.10. For a cast iron siphon under Smith Canal there was but one bid received. Chambers & Heafey submitted a figure of \$6,311.90. The estimate of the City Engineer was \$2,859.92. For the installation of a pumping station at Yosemite Lake, L. F. Youdall submitted a bid of \$4,800. The Fairbanks-Morse firm of San Francisco submitted five bids based on various plans and ranging from \$5,005 to \$6,200. All bids were taken under advisement.

SEWER CONSTRUCTION—Cost not stated. Yuba City, Sutter Co., Cal. Engineer, City Engineer L. M. Bruce, Yuba City, Owners, Yuba City. Bids will be opened on November 17th for the construction of storm sewers as follows: About 1,350 feet of 10-inch; 80 feet of 8-inch, 50 feet of 6-inch, with suitable appurtenances. Also for the construction of one block macadamized street on Plumas street, from the south line of Bridge street to the north line of E street.

APARTMENT HOUSE—2 story and base, frame, \$9,000. Sacramento, Cal. Architect, Alex Willoner, 243 L street, Sacramento. Owner, W. H. McMorry. Location, 17th and I streets. Will contain eight apartments of one room and small buffet kitchen. Plans being prepared.

LAUNDRY—1 story and base, reinforced concrete, \$15,000. Redding, Shasta Co., Cal. Architect, C. O. Dakin. Redding. Owners, William H. Bergh and I. J. Johnson. Location, Placer and Railroad avenue. Will cover an area of 40 by 80 feet. Plans nearly complete and figures to be taken shortly.

BUILDING CONTRACTS SACRAMENTO COUNTY.

FRAME DWELLING
NO. 3115 Y ST., on Lot 21 T Addition, Sacramento. One-story frame dwlg.
Owner.....J. L. O'Donnell.
Architect...None.
Contractor...Thos. Hunt, 2926 S St., Sacramento.
COST, \$2200

DWELLING
W ½ LOT 7 BLK E, F, 9th and 10th Sts Sacramento. One-story dwelling.
Owner.....Edwin Deckleman, 519 26th St., Sacramento.
Architect...None.
Contractor...J. Feddenhofer, 3011 Cypress Ave., Sacramento.
COST, \$2000

REPAIRS
NO. 1416 FOURTH ST., on S ½ of N ½ Lot 5 N, O. 3rd and 4th Sts., Sacramento. Place building on brick foundation and make general repairs.
Owner.....Earle Geiselo, 1416 4th St., Sacramento.
Architect...None.
Contractor...Thomas Hunt, 2926 S St., Sacramento.
COST, \$2000

FRAME DWELLING
N ½ OF S ½ LOT 4 BLK X, Y, 17th and 18th Sts., Sacramento. One-story frame dwelling.
Owner.....Joe Perry Louis, 2410 18th St., Sacramento.
Architect...None.
Contractor...C. Valini, 2417 15th St., Sacramento.
COST, \$1500

FINISH DWELLING
W ½ LOT 7 BLK U, V, 28th and 29th Sts., Sacramento. Finish off ground floor of dwelling.
Owner.....Louis Gemisch, 2809 V St., Sacramento.
Architect...None.
Contractor...C. Valine, 2417 15th St., Sacramento.
COST, \$1000

BRICK FACTORY
LOT 1 J, K, 14th and 15th Sts., Sacramento. One and two-story brick factory building.
Owner.....A. Coolot, 2200 T St., Sacramento.
Architect...None.
Contractor...C. J. Guth, 1516 27th St., Sacramento.
COST, \$5990

BRICK STORE
PTN LOT 1 J, K, 14th and 15th Sts., Sacramento. One-story brick store.
Owner.....A. Coolot, 2200 T St., Sacramento.
Architect...None.
Contractor...C. J. Guth, 1516 27th St., Sacramento.
COST, \$4000

ALTERATIONS
LOT 1 J, K, 14th and 15th Sts., Sacramento. Remodel store front and finish off 2 flats.

Owner.....A. Coolot, 2200 T St., Sacramento.
Architect...None.
Contractor...C. J. Guth, 1516 27th St., Sacramento.
COST, \$4000

ALTERATIONS
NO. 1400 J ST., on Ptn Lot 1, J, K, 14th and 15th Sts., Sacramento. Remodel and make general repairs.
Owner.....A. Coolot, 2200 T St., Sacramento.
Architect...None.
Contractor...C. J. Guth, 1516 27th St., Sacramento.
COST, \$2000

GASOLINE TANK
NO. 1301 K ST., Sacramento. Place gasoline tank under sidewalk.
Owner.....Willis Overland.
Architect...None.
Day's work.
COST, \$650

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

FRAME FLATS
NO. 521 N-MONROE ST., Stockton. All work for two-story frame (4) flats.
Owner.....S. V. Ryland, 303 W-Fremont St., Stockton.
Architect...Ralph P. Morrell and C. J. Ryland, 12-15 I. O. O. F. Bldg., Stockton.
Contractor...J. A. Piccarco, 316 E-Market St., Stockton.
Filed Nov. 8, '16. Dated Nov. 2, '16.
Rough frame up.....\$ 801
Building enclosed, roof on..... 1000
Rough plumbing and plastering completed..... 1000
Inside wood finish completed... 1000

DIRECT TO YOU

Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what **kind** of Hardwoods Flooring or Panels you may require, nor what **quantity** of each you may need for **immediate delivery**, you can depend upon **WHITE BROTHERS** to supply you promptly.

We have the largest stock of **HARDWOODS** and **WYBRO PANELS** in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured **service and promptness** coupled with **fair prices** as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

Usual 25 days..... 1267

TOTAL COST, \$5068

Bond, \$2534. Sureties, T. B. Littleton and A. J. Parker. Limit, 85 days from Nov. 1. Forfeit, none. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA

BARRACKS—3 story and base, brick and concrete. Cost not stated. Los Angeles, Cal. Architect, Theo. A. Elsen & Son, Wilcox Bldg., L. A. Owners, Non Commissioned Officers Volunteer League of America. Location, 23rd Street between Maple and San Pedro, covering an area of 141 by 109 feet. Plans being prepared.

FACTORY—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, Richard D. King. Van Nuys Bldg., L. A. Owners, R. W. Pridham Co. Location, North Alameda street near Naud Junction. Will cover an area of 200 by 300 feet. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame and concrete. Cost not stated. Hollywood, Los Angeles Co., Cal. Architects, Montgomery & Montgomery, Merritt Bldg., L. A. Owner's name withheld. Will contain ten rooms, three baths and conservatory. Separate garage and servants' quarters. Plans complete and figures being taken.

BRIDGES—2, reinforced concrete. Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Bids will be received by the Board of Supervisors up to 2 p. m. of November 27th for the construction of two reinforced concrete bridges on Johnson road. The work involves the following quantities: 100 cubic yards concrete, 8,050 pounds reinforcing steel, 550 cubic yards earthwork, 216 linear feet guard fence, 44 feet, B. M., timber in bulk, 24 cubic yards grouted boulders, 170 pounds steel in rods and washers.

Contracts Awarded.

CITY HALL—2 story and base, brick, \$24,100. Van Nuys, Los Angeles Co., Cal. Architect, J. J. Backus, L. A. Owners, City of Los Angeles. Contractors, The Wilkey Co., Black Bldg., L. A. Contract price, \$24,100.

STREET IMPROVEMENTS—\$19,812.07. Los Angeles, Cal. Engineer City Engineer, L. A. Owners, City of Los Angeles. Contractors, California-Arizona Construction Co., 1700 East Washington street, L. A. Contract price, \$19,812.07.

PORTLAND AND OREGON

SCHOOL—2 story and base, brick and concrete, \$100,000. Astoria, Ore. Architects, Whitehouse & Foulhoux, Board of Trade Bldg., Portland. Owners, City of Astoria. Will contain 12 class rooms, auditorium, library and departments of domestic science and manual training. Plans complete and figures being taken.

SEATTLE AND WASHINGTON

PIER—1 story, steel and corrugated iron. Cost not stated. Seattle, Wash. Engineer, Blackwell & Baker, North-orn Bank Bldg., Seattle. Owners, Gal-Wall street. Will cover an area of 128 by 700. Plans being prepared.

AMERICAN LEADERSHIP IN WORLD TRADE.

The opportunity to become the leading commercial nation of the world now faces the United States, and the means by which that position may be attained, were discussed last evening by Dr. E. E. Pratt, chief of the Bureau of Foreign and Domestic Commerce in an address before the American Manufacturers' Export Association at its annual banquet in New York. He expressed perfect confidence in the ability of American manufacturers and exporters to hold their own in the trade struggle after the war.

Dr. Pratt took up the question of the possibility of competition from European goods in this struggle, and stated that something of the future might be seen by studying the past. Many facts which might be cited, he said, seemed to prove conclusively that wages and interest in Europe would increase considerably in the years following the war. "If this be true," he said, "then the whole level of prices in Europe will be higher." He spoke at some length upon the recent economic conference in Paris as bearing in an important way on the commercial relations of the United States with the belligerent countries. In the course of that discussion he said:

"This conference dealt at length and in some detail with economic conditions which the various nations wish to bring about at the close of the war. If such an alliance actually comes into existence, there is no doubt that a similar alliance will be found among those powers now on the other side. We anticipate, therefore, two general economic groups in Europe building up barriers against the nations now opposed to them. This would leave the neutral nations of the world, and especially the United States, in a peculiar position. We would probably not receive the most favorable treatment from either side, nor am I inclined to believe that we would suffer from any special discrimination. It is unlikely that any of the nations of Europe will willingly handicap themselves by depriving themselves of the raw materials, the machinery, the labor-saving devices, and the capital which they will need immediately after the war and which they will be able to obtain only from the United States. However, these economic alliances and their possible effect upon the future trade of the United States must be seriously considered."

Important Measures Necessary to Maintain Position.

He said that the United States must undertake several important measures if it was to maintain its present prominent position in the commercial world. There were certain things for the Government to do, and other things for manufacturers and exporters to do. He emphasized as the first and perhaps most important point the necessity of getting a new point of view on the tariff. "It is not sufficient," he said, "that we should have a protective tariff, a tariff for revenue only, or free trade. We should look upon the tariff as an aid in building up trade. We should certainly not look upon the tariff as a barrier to trade. We would, it seems to me, be seriously hampering our future as one of the great industrial and commercial powers of the world if we set up the tariff merely as

between this country and other countries. I will not undertake to say that during the period of development through which we have passed such a tariff policy has been a mistaken one. I will, however, undertake to say that at present such a view of the tariff is incompatible with the position which we now occupy and would have serious consequences in the development of the United States as a world power. What we need is a bargaining tariff which would enable us to get the maximum advantage in international trade. Provision for such a consideration of the tariff has been made in the act creating the new tariff commission." Dr. Pratt continued:

"A subject closely related to the tariff is that of commercial treaties. We have been backward in the matter of negotiating commercial treaties with the principal nations of the world. We should not, however, be too hasty in criticizing ourselves for not making greater progress in this matter. We should remember at this time that we, the United States, broke the best trade treaty that any nation ever had with the country which is undoubtedly our most promising market. Did we hear any outcry from the business community? I have searched the files of our business publications, and I find the matter received only scant and passing notice. I believe I am correct in saying that such a trade treaty with Russia could not be broken today, and that it would not have been broken if our business community had appreciated the everlasting harm it would do to our commercial relations with Russia. As soon as the nations of Europe are able to give this matter attention, we should be prepared to negotiate commercial treaties. Here again the tariff commission has been given certain specific duties.

"One very important step in the development of our foreign trade remains to be taken. I refer to the passage of a measure which will permit our manufacturers to combine for the purpose of developing foreign trade. This will put our manufacturers on a basis similar to that of the manufacturers and exporters of other countries, and will enable us perhaps more than any other one thing to meet effectively the growing centralization of economic resources in Europe.

NEW NATIONAL MONUMENT IN ALASKA.

WASHINGTON, D. C., Nov. 4.—As a result of recommendations made by the Secretary of Agriculture, the "Old Kasaan National Monument," consisting of 35 acres within the Tongass National Forest, Alaska, has just been created by Presidential proclamation. The tract embraces the well known abandoned Haida Indian village of Old Kasaan, situated on Prince of Wales Island in southeastern Alaska, about thirty miles west of the city of Ketchikan.

The village was abandoned by the Indians about ten years ago. Among the relics which remain there are about fifty Indian totem poles, five or six of which are classed as exceedingly good specimens. In the deserted village there are also eight large square buildings which were originally constructed according to the peculiar plan of the Haida Indians, and which, it is stated

by those best qualified to know, represent the best specimens of Haida architecture that now exists. The largest of these buildings is approximately 40 by 60 feet in size and is made entirely of round and carved timbers. There also remain a number of Indian graves with the typical small grave house erected by the Alaskan Indians.

"Kassan" is said to be the Indian word which means "a pretty town," and all reports agree that the village was well named. The fact that the village was occupied by the Indians for many years explains the local name, "Old" Kassan, by which it is widely known.

Since the village was abandoned by the Indians the buildings have been rapidly falling into a state of dilapidation and decay, and a certain amount of vandalism by tourists and souvenir hunters renders some form of protection essential. An examination of the area was made jointly by representatives of the Forest Service and of the Interior Department, and reports strongly urging the establishment of a National Monument were approved by the Secretaries of both Departments. The Smithsonian Institution strongly endorsed the proposition for the establishment of a National Monument. The new National Monument will be protected and administered by the Forest Service, as is the case with all monuments located within the National Forests.

BUILD HUGE WATER TANK.

MERCED, Cal.—The Crocker-Huffman Land Company of Merced will shortly install a 300,000 gallon water tank at its headquarters. The tank is said to be the largest ever built in this State, the next largest being one of 200,000 gallons at Stockton. The tank will be used to supply domestic water to the residents on the company's land.

PREPARING PLANS FOR SPRINKLING SYSTEM.

HANFORD, Cal.—Architect A. Merrill Bowser, of Glass, Butler & Bowser, Fresno, is preparing plans for a sprinkling system for the Hanford postoffice grounds. Bids will be called shortly. Other contracts to be let at the same time are grass seed, shrubbery and other features for improving the grounds. The latter work is being planned by the Treasury Department.

PORK PACKING PLANT PLANNED FOR FRESNO.

FRESNO, Cal.—A packer allied with one of the large beef and pork packing companies, in Fresno this week, has looked the San Joaquin Valley over and decided that a \$150,000 plant would pay in Fresno. He conferred with J. B. Lewis, president of the San Joaquin Valley Stockyards Association and Lewis and A. C. Cranor, secretary of the association, decided to call a meeting of the executive committee. Notices were sent out calling the meeting at the Fresno Chamber of Commerce at 2 o'clock on the afternoon of Tuesday, November 14.

At this time the packer will talk over a tentative proposition. Members of the committee include Mr. Lewis, D. C. Sample and Geo. Shipp,

Fresno; A. L. Sayre, Madera; Geo. A. Smith, Corcoran; Joe Biddle, Wm. Bernstein, Hanford; C. L. Adams, Riverdale; S. O. Walker, Visalia; C. P. Avenall, Fowler; John Cerini, Riverdale and A. C. Cranor.

The Packer is at present withholding his identity from all but members of the committee, but he is said to have strong backing and to be ready for business. Options have been secured on lots near the south part of Fresno, it is said. If the packing house is built, it is believed that it will be in operation in less than a year.

PORTERVILLE TO GET BIG REDUCTION MILL.

PORTERVILLE, Cal.—Articles of incorporation have been filed by the Magnesite Refractories Company to be capitalized at \$200,000, for the construction of a reduction plant here and the manufacture of all classes of magnesite products. The company is headed by Charles B. Stetson of San Francisco, a well known merchant of that city, and named with him as organizing directors are J. L. Michell, merchant, of Porterville, and F. J. Shuhl, an attorney here. Financially interested are other San Franciscans and Harry Doyle and E. J. Heiner, who were active in the development of the mining properties of the Magnesite Mining Company.

It is stated that all of the capital stock of the company has been paid in and that work will be started at once on the construction of the plant. The probable location of the reduction works has not been given out.

CALIFORNIA LAUREL FAVORED.

Much has been said recently by the local press about California Laurel and the unusual demand for this wood. It is a fact that California Laurel is fast supplanting the use of the more expensive Hardwoods such as Birch, which costs (f. o. b. San Francisco) from 30% to 50% more than Laurel. The fact that California Laurel can be finished to show the same, or better results than Birch and costs so much less money, makes this Hardwood more popular than ever and the demand is growing fast day by day.

One feature of the present Hardwood situation is the quantity of Genezero lumber on the market. Some of the finest buildings in San Francisco have used this wood for their interior trim. It has always been used extensively in homes and it is one of the best cabinet woods on the market. Genezero (sometimes called Jenisero, or Peruvian Mahogany) is much lower in price than most similar woods, and compares in that respect to Quarter Saw Oak. At present there is probably among the different yards 500,000 feet of Dry Genezero in fine condition for use. When finished natural, Genezero gives the soft neutral brown tones so much desired at the present time, and the existence of such a large stock of thoroughly seasoned lumber in the market should make this wood a most desirable one.

Lumber men all over the country It has always been used extensively in crease in business after the cessation of European hostilities. In fact, the United States Federal Trade Commission has taken up the matter of

handling this European trade and is seeking competent men to be sent to Europe to investigate the different markets, and the best manner of handling the trade which everyone expects will come in a large volume after the war. This, of course, will have a direct bearing on the domestic hardwood market, and undoubtedly cause a rise in prices.

Before the war the export of American Hardwood such as Oak, Ash, Hickory, Walnut, Gum, etc., to Great Britain, France, Germany and Italy, was enormous. The trade was entirely destroyed. Great Britain put an embargo on the importation of cabinet woods. The market was therefore disturbed at the opening of the war but has gradually adjusted itself. The resumption of European exports, however, will undoubtedly have a most stimulating effect upon the trade.

A remarkable point in the hardwood situation is the reversion of demand from the soft foreign imported Oaks to our American domestic Oak which is, as a matter of fact, superior in every way to all the other Oaks in the world. Architects and Builders are everywhere recognizing that our American wood is the best to use on account of its durability, liveliness of tone, lasting and wearing qualities. The good old fashioned Oak of our ancestors is still supreme today.

WHITE BROTHERS.

November 1st, 1916.

SACRAMENTO BOND BONDS WILL BRING BIG PREMIUM.

SACRAMENTO—If the Supervisors can sell the \$1,750,000 worth of road bonds recently voted by Sacramento County before December 15, they will bring a higher premium than \$70,000. This was a statement made to the Supervisors by J. C. Havey, who argued that the bonds be sold at the earliest possible date in order to reap the benefits of the good bond market. The \$70,000 premium was estimated by George W. Peltier several days ago, but Havey says the market is in better condition now than it has been for a long time. He urged the immediate sale of the bonds. The report of the bond experts as to the validity of the bond issue was received and filed by the Supervisors. They will receive bids for the printing of the bonds on November 15. In the meantime, the County Commission will start the preliminary surveys so as not to delay matters. The Supervisors will pay the money for this work and it will be paid in the same manner as the expenses of the highway commission have been paid by the Supervisors.

BIG STEEL PROFITS.

PITTSBURGH—The annual report of the crucible steel company of America issued here, showed that the company earned net profits of \$13,223,665 after paying dividends of \$2,125,000 on the preferred stock and charging off \$1,915,240 for depreciation and other fixed charges. The \$25,000,000 common stock therefore earned slightly in excess of \$50 a share. The balance sheet shows an unappropriated surplus of \$9,543,606. The company has 4,390 holders of the preferred shares and 1,331 of common shares.

AWARD CONTRACT FOR WATSONVILLE SCHOOL.

Robert Trost of San Francisco Awarded Contract for High School Designed by Architect W. H. Weeks.

WATSONVILLE, SANTA CRUZ CO., CAL., Nov. 6, 1916.—Bids opened by the Watsonville Board of Education for the construction of a two-story and basement brick and concrete school show Robert Trost, 26th and Howard streets, San Francisco, low on the general construction at \$75,191 and he was awarded the contract. The Turner Co., 272 Natoma street, San Francisco, was awarded the contract for the plumbing on their bid of \$5,190. J. W. Bender, Monadnock Bldg., San Francisco, was awarded the contract for the roofing at \$751.

Bids for the heating and ventilating and program clocks are to be considered at another meeting.

Architect W. H. Weeks, 75 Post St., San Francisco, prepared the plans.

General Construction.

Robert Trost	\$75,191
Masow & Morrison	\$1,941
Ward & Goodwin	95,290
G. R. Wagner Co.	78,830
Carnahan & Mulford	81,411
Fred L. Hansen	85,540
P. J. Lynch	82,247
James L. McLaughlin	88,424
Grace & Bernierl	86,945
J. D. Hannah	76,775
Thurston & Co.	88,559
A. G. Bergren & Son	79,472
Harvey A. Klyce	83,164
J. M. Dugan & Co.	84,751
James Furlong	81,500
Ole Christensen	87,420
Monson Bros.	85,473
Mahoney Bros.	81,451

Roofing.

J. W. Bender (awarded)	\$ 781
Paraffine Paint Co.	887

Plumbing.

Turner Co. (awarded)	\$ 5,190
J. P. Freiermuth Co.	6,121
A. P. Beck	6,620

ALAMEDA SCHOOL BOARD RECEIVES FIGURES.

Many Figures for Construction of Lincoln School on Revised Plans.

ALAMEDA, ALAMEDA CO., CAL.—Nov. 7.—Bids were opened at last night's meeting of the Board of Education for the construction of the Lincoln School, a two-story and basement Class "C" structure, designed by Architects Cunningham & Politeo, First National Bank Bldg., San Francisco.

The work was segregated in the following departments: (1) Excavating and concrete; (2) brick, granite cast iron and steel work; (3) carpenter work, roofing, hardware, and galvanized iron work; (4) plumbing, gas fitting and marble; (5) electric work; (6) lathing and plastering; (7) heating and ventilating; (8) painting. Following is a complete list of the bids:

Department No. 1.

Powell Bros. Const. Co.	\$ 3,498
Edwall & Alfarno	3,939

Department No. 2.

Mealey & Collins	\$22,700
Chas. B. Hadley	22,400
White & Gloor	21,890

Department No. 3.

Christensen Bros.	\$20,687
J. Wendering	22,925
M. P. Mortensen	21,850
Delaney & Randlett	21,657

Department No. 4.

Scott Co.	\$ 4,522
Alex. Coleman	4,022
James H. Pinkerton	4,520
Frederick W. Snook Co.	4,189
J. E. O'Mara	4,019
J. B. Kruz (check not certified)	4,759
Thos. A. Canton	3,749

Department No. 5.

Butte Eng. & Elect. Co.	\$ 3,100
-------------------------	----------

Department No. 6.

Nick Muriale	\$ 5,000
McGruer & Co.	6,611
William Makin	6,529
T. D. Sexton	6,928
Geo. Dixon	6,500

Department No. 7.

W. Morgan & Co.	\$ 6,215
J. C. Hurley & Co.	5,000
Ideal Heating & Eng. Co.	5,410

Department No. 8.

L. J. Neal	\$ 2,650
A. Zelinsky	2,098
Mayer, Walk & Co.	2,200

Several bidders combined the various departments of the work as follows:

C. L. Wold Co. 1 to 8	\$72,200
Carnahan & Mulford 1 to 8	65,561
Harvey A. Klyce 1 to 8	72,820
R. W. Littlefield 1 to 8	69,250
R. W. Littlefield 1, 2, 3, 6, 7, 8	64,750
R. W. Littlefield 1, 2, 3, 8	52,450
R. W. Littlefield 1, 2, 3, 6	56,250
R. W. Littlefield 1, 2, 3, 8	49,450
R. W. Littlefield 1, 2, 3, 6, 8	59,250

City Bids Opened.

The San Francisco Board of Public Works have received the following bids for the extension of the Municipal Water System:

Atlas Heating & Ventilating Co.	\$1,050
Bos & O'Brien	889
H. P. Broderick	560

FIGURES OPENED FOR FRESNO SCHOOL ANNEX.

All Bids For Two-story Annex to Union High School Taken Under Advisement by Fresno Board.

FRESNO, Fresno Co., Cal. Nov. 11th, 1916.—A number of figures were received at last night's meeting of the Board of Education for the construction of the two-story brick and concrete addition to the Fresno High School from plans prepared by Architects Coates & Traver, Rowell Bldg. Six bids were received. All figures were taken under advisement. Following is a complete list of the bids received:

General Construction.

Edwards & Wiley Co., Los Angeles	\$55,000
J. L. Daly, Fresno	48,600
R. Pedersen	55,250
E. Riggin	51,000
Manning Bros.	51,580
Louis Cereghino & Son, S. F.	50,992

Heating and Ventilating.

J. C. Hurley Co., S. F.	\$6,705
Griffin Sheet Metal Works, Fresno	7,333
Robert Dalziel Jr. Co., S. F.	8,132

FIGURES OPENED FOR AGNEW STATE WORK.

Grace & Bernierl Present Lowest Bid For Open Air Ward to be Erected at Agnew.

(By Special Wire)

SACRAMENTO, CAL., Nov. 13th, 1916.—A number of bids were opened by the State Board of Engineering for the construction of a one-story concrete and frame open air cottage which is to be erected at the State Asylum at Agnew, Santa Clara County. Plans were prepared by State Architect Geo. B. McDougall, Sacramento. All bids were taken under advisement.

Open Air Ward.

Grace & Bernierl	\$22,081
L. G. Berger & Son	23,472
Anderson & Ringrose	23,825
Loni Cereghino & Son	24,300
Fred Warden	25,465
R. W. Littlefield	25,931
George W. Boxton & Son	26,972
P. F. Reilly	27,850
Stockholm & Allyn	27,877
Pringle-Dunn & Co.	29,295
Ward & Goodwin	29,990

STATE CORPORATION DEPARTMENT

Upon application of Sequoyah Hills Company, the certificate authorizing it to sell \$100,000 bonds has been revoked by Commissioner of Corporations H. L. Carnahan. The company has financed its operations consisting of the development and sale of a tract in Oakland near the Sequoyah Country Club property through a direct mortgage loan.

Commissioner Carnahan has issued permits to the following companies:

San Elijo Land Company, San Diego—To issue 97 shares to T. A. Rife, C. O. Richards, R. E. L. Blankenship in exchange for real property.

Glendale Masonic Building Association—To sell 300 shares at par, \$10 per share, net to the company.

Motion Picture Electric and Equipment Corporation, Los Angeles—To sell 10 shares to Franklin Ritchie at par, \$100 per share, net to the company.

Bean Spray Pump Co., San Jose—Supplemental authority to sell the remaining 239 shares of its preferred stock to net the company not less than par, \$100 per share, proceeds to be used for reduction of current indebtedness.

Globe Grain & Milling Company, Los Angeles—To sell 16,442 shares at a price not less than par, \$100 per share, net to the company.

Honey Rock Mining Company, Los Angeles—To sell 100 shares at \$15 per share, net to the company and to issue 51 shares to C. C. Crouch, M. R. Enzie, C. J. Wiley and H. G. Bittleston, in exchange for the property, services and cash. With the proceeds, the company proposes to mine and ship a carload of ore and to build a road to its claim which is situated in the Bellville mining district, San Bernardino County.

The Napa Valley Creamery Company—To sell 10,000 shares to Spencer C.

Ashlin at 70c per share, net to the company.

Pacific Hauling Contractors, Los Angeles—To sell 90 share to Andrew Peacock and 1 share to Clarence E. Burt and Geo. W. Dryer, at par, \$100 per share, net to the company.

DIXON IRRIGATION PLANS WILL COST OVER MILLION.

DIXON—A meeting was held here recently to consider data regarding irrigation and comparative facts and figures from this and other irrigated sections of the State. If it seems feasible, and the time opportune, steps will be taken for the formation of the Dixon Irrigation District, the object of which will be to supply cheaper and more abundant water than is now had under the pumping plant plan. C. H. Loveland R. W. Hamley and H. A. Whitney, engineers, have made superficial examinations of dam sites and reservoirs. They report three possible reservoir and dam sites—Devils' Gate and Guenoce, and one which they discovered, on which there has been no State or National report. The Guenoce site could be developed at a cost of about \$560,000. This would impound 150,000 acre-feet of water, sufficient for irrigating 25,000 acres of land, at an extended construction cost of about \$20 an acre. This site is in Lake County, 45 mile northwest of Winters. The Devils' Gate project would begin about 12 miles west of Winters' where a dam would be built at one of the most natural sites in the State. A 150-foot dam would back the water over the Berryessa Valley to the Napa bridge, this side of Monticello. The cost of this project, including dam and purchase of land, is estimated at \$700,000. This project would irrigate 36,000 acres. As the proposed district embraces about 50,000 acres, the development of both sites will be considered, but construction of only one will be started, the other coming when there is need of it. The cost of both projects is estimated at \$1,100,000.

SHIP BUILDING FIRM FORMED.

SEATTLE, Wn.—Edgar Ames, president of Seattle General Contract Co., Vice President of the State Bank of Seattle, President of Puyallup Dredging Co., and Treasurer of Northwestern Expanded Metal Co., of Chicago, announces the formation of another large shipbuilding company with contracts for three steel ships and plans for construction of dry dock of 7,000 tons capacity. Company will be known as Ames Shipbuilding & Dry Dock Co., and will have working capital of \$500,000. Associated with Mr. Ames are J. W. Paterson, David Hollywood, John Wilson, Geo. W. Albon, former U. S. District Judge Geo. Donworth and former U. S. District Attorney Elmer Todd.

CEMENT MEN INDICTED.

Sixteen Coast Manufacturers Charged With Violating Sherman Act.

PORTLAND, Ore.—William G. Henshaw and Tyler Henshaw, president and vice president, respectively of the Riverside Cement Company of Riverside, Cal., and San Francisco, were two of sixteen Pacific Coast cement manufacturers indicated here by the Fed-

eral Grand Jury October 27th, and charged with conducting a trust in violation of the Sherman act, it became known when the indictment was made public.

All the defendants are reputed wealthy.—Exchange.

PRESS NOTICE.

One of the largest of the Mikado type of freight locomotives is being mounted on the locomotive testing laboratory of the Engineering Experiment Station, University of Illinois, for an extended series of tests.

The Railway Engineering Experiment Station has entered into a co-operative arrangement with the International Railway Fuel Association, and the United States Bureau of Mines to conduct tests with various sizes and grades of coal used for fuel. The Baltimore and Ohio railroad has loaned one of its newest freight locomotives for the purpose. This huge locomotive weighs, with its tender, a total of 461,000 pounds. The testing laboratory is designed to permit the locomotive to be operated at any desired speed and at any power output under the same conditions as prevail in practice, while its performance is recorded by means of automatic equipment for measuring tractive effort, water consumption, fuel consumption, smoke production, and other factors which will enter into the investigations.

The Baltimore and Ohio Mikado type of freight locomotive has eight driving wheels, each carrying a load of 28,000 pounds, two pony truck wheels and two trailer truck wheels. It carries a steam pressure of 190 pounds per square inch, has a fire-box 7 feet wide, and 10 feet long, is 55 feet long, and delivers a pull or tractive effort of 54,500 pounds at its draw-bar.

Samples of coal to be used will be taken from Illinois mines and will be graded according to present commercial sizes ranging from the so-called slack and run-of-mine up to the commonly used "3 x 6 lump." Later, it is contemplated, tests will be made with a coal ground to an impalpable powder or flour which will be injected into the fire-box by means of a specially designed blower. Tests will be made with both hand firing and automatic stoker firing.

It is the expectation that these tests will establish information which will enable a railway to determine how much it can afford to pay for the different grades and sizes of coal, and which grades and sizes will produce the best results under given operating conditions.

The ultimate purposes of tests of this character which the University of Illinois is carrying on in many lines of activity is to provide the basis for the fuller and more economical utilization of public resources. In these locomotive tests it is thought that the incidental benefits which may come to the public in the possible decrease of the smoke nuisance may alone justify the extensive work involved.

The tests will be conducted under the direction of E. C. Schmidt, head of the Department of Railway Engineering and will be in the immediate charge of J. M. Snodgrass, Assistant Professor

of Railway Mechanical Engineering, and O. S. Beyer, First Assistant in the Engineering Experiment Station.

(Photograph of the Locomotive will be supplied on request.)

W. F. M. GOSS, Director,
Urbana, Ill.

AMERICAN TRADE WITH AUSTRALIA

"American business men should get the point of view of the Australian merchant," says Commercial Attache Philip B. Kennedy, in a book he has prepared with the object of offering suggestions to those in this country who seek increased trade in the markets of Australia. Particular attention, he says, should be paid to correspondence, because of the time required for mail to be carried between the two countries, and the differing taste in regard to the character of the letters that may be written.

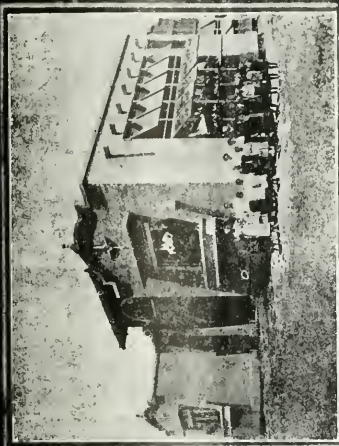
The report by Mr. Kennedy is published by the Bureau of Foreign and Domestic Commerce. It is devoted exclusively to the details of carrying on trade already secured, as is indicated by the following list of chapters: Packing, Insurance, Documents required, Forwarding documents, The Australian tariff, Dutiable values, Trade description, Proof of origin, Financing of letters of credit, Financing of export commission houses, Financing of draft against documents, Quotations of prices, Postage, parcels post, and express, Correspondence, Traveling representatives, Taxation.

Mr. Kennedy states that as it takes about two months to get a reply from Australia, it is necessary to tell the whole story on each occasion. An experienced Sydney Importer urges his American correspondents to write him always as if he knew nothing. The typical American sales letter which "has a punch" is not suitable for the Australian trade. The managing director of what is probably the largest business in Australia is quoted as stating that more harm is done by such letters than by any other one thing. The report calls attention to the absurdity of allowing tactlessness and petty unreasonableness to bring about misunderstanding between peoples having so much in common as Australians and Americans.

The report is entitled "Exporting to Australia," Miscellaneous Series No. 45. It contains 29 pages, and may be purchased from the Superintendent of Documents, Washington, D. C., for the nominal sum of 5 cents.

MARKET SOUGHT FOR TROPICAL WOODS.

A Venezuelan business man informs an American consul that he is in a position to offer large quantities of cedar, mahogany, divi-divi, Brazil wood, and other native woods. He also wishes to learn if there is a market in the United States for crude pyroligne acid and, if so, the price in New York and the proper method of packing. The inquirer's address can be obtained at the Bureau of Foreign and Domestic Commerce or its district or co-operative offices by referring to file No. 80958.



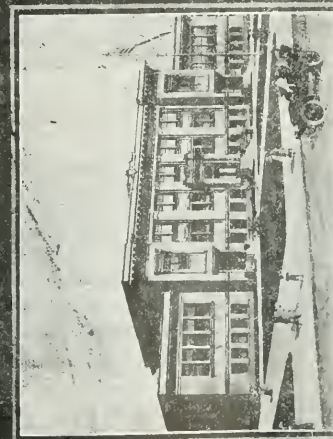
COLLEGE PARK SCHOOL - SAN JOSE - Frank D. Wolfe Architect



INTERIOR VIEW - MCCHESNEY SCHOOL - J. J. Donovan
Superintending Archt.



ROCKEFORD SCHOOL, OAKLAND - J. J. Donovan Superintending Archt.



WOODLAND SCHOOL - W. H. Weeks Architect

Equipped with SIMPLEX WINDOWS 525 Market St., S. F.
Send for Catalog. Agents wanted for unoccupied territory

W. P. MAY BUILD FEEDER FROM PORTOLA.

PORTOLA, Cal.—Prospects are bright according to mining men associated with strong financial interests, for the building of a railroad from Portola to the Walker mining field.

It is stated the Western Pacific may extend the Boca and Loyalton Grizzly Creek branch into the district, and there is also a possibility that the Feather River Lumber Company may continue its road to tap the rich mineral section. The Northern California and Oregon is also credited with a desire to exploit the Walker field.

At the Walker copper mine about 150 men are now employed and the flotation plant is handling 100 tons of ore daily. It was recently announced the capacity of the plant would be increased next spring, and the mine placed in shape for a heavy output. Several other properties in the district are attracting interest.

PLASTER COMPANY TO BUILD PLANT

PORTERVILLE, Cal.—Edward Duree, of the Rex Plaster Company, is here from Los Angeles and is looking over the district with a view to the location of the company's mill in this city. Heretofore the company's plants have been manufactured in Los Angeles. Their mill there was recently badly damaged by fire. A large proportion of their magnesite has since been contracted from this district, and it is probable that the plant will be reconstructed here.

The Rex people have closed a lease with the Lindsay Mining Company for a tract of land situated near Magnesite station, suitable for a plant site, indicating that the project is being very seriously considered.

BUILDING TOTALS SINCE FIRE.

The following report has been compiled in the Building Bureau of the Department of Public Works, showing the number, classification and value of building for which permits have been issued since the fire:

Class	No of Bldgs.	Amount
"A"	211	\$ 36,207,417
"B"	221	16,061,228
"C"	3101	88,772,859
Frames	29326	110,181,796
Alterations	33262	22,446,347
Harbor Buildings	21	1,173,611
Public Buildings	17	6,903,869
State Buildings	3	848,181
P. P. I. E. Bldgs	83	9,951,577
Total	66,778	\$292,846,885

NOTED ENGINEER DEAD.

QUINCY (Plumas Co.)—J. T. Williams, construction engineer for the Indian Valley Railroad, died in Quincy after an apoplectic stroke. He was noted in his profession, and the Williams loop, near Spring Garden, this county, on the Western Pacific, is of his planning.

He was prominent in the construction of the Western Pacific.

CALIFORNIA'S GREATEST ACHIEVEMENT



Shortest and Most Compact Range Made.

A CALIFORNIA PRODUCT

Made in California--By California Labor--To Meet California Conditions. It must be right. Buy the "Spark" Gas Range and add to California's prosperity.

MANUFACTURED AND GUARANTEED BY
HAMMER-BRAY CO.
OAKLAND, CAL.

**Two Fine Building
Lots, N. Cragmont
Berkeley for Sale.**

These lots command an unobstructed panoramic view of Oakland, Berkeley and San Francisco Bay. Convenient to cars.

New homes being erected on all sides. Both lots 40 feet front and varying depths of 140 to 200 feet. Street work and sidewalks done. Gas and electricity to lot line.

Address C. F. E., care this office.

Letter Heads, Envelopes, Etc., neatly printed.
Builder Printing Co. Tel. Douglas 2374

POSITIONS WANTED

SUPERINTENDENT OR FOREMAN for Building Trade, any branch. Concrete, Frame or Brick, open for position. Can handle any size job. References. Address BOX 243, Burlingame, Cal.

MILLIONS WILL BE PUT IN IRRIGATION DAM IN MADERA.

MADERA, Cal.—Definite steps for the early construction of the \$4,000,000 irrigation project in Madera county, were taken when the irrigation bureau announced that Engineer Frank Clare would begin a preliminary survey next week to ascertain the cost of the proposed system. Ten thousand dollars are to be raised here at once to defray the expenses of the preliminary work. After the preliminary surveys have been made and tentative locations for the dam and reservoirs have been chosen, the bureau will set to work to obtain the consent of a majority of the holders of title to the land within the proposed district to consent to its formation, and to petition the supervisors to call an election that the proposition may be voted on. It was stated that the Miller & Lux corporation, holder of much land within the limits of the proposed district, is in favor of its formation and that there will be no trouble in getting the supervisors to call an election.

It is the plan of the bureau to conserve the surplus waters of the San Joaquin river and of other Sierra Nevada streams, for irrigating the lands within the proposed district. This conservation will be accomplished by means of a dam and reservoir.

The project will involve the expenditure of several million dollars and when consummated will be the greatest work ever accomplished in the history of this county, and is expected not only to triple the population of Madera within a short time, but to add millions of dollars to the value of the Madera county lands.

VIRGINIA GREATEST SOAPSTONE STATE.

In the production of soapstone the United States ranks first among all countries, and Virginia produces about 20 times as much as the four other producing States — Maryland, North Carolina, Rhode Island, and Vermont. The waste from breakage in quarrying, sawing into slabs, manufacturing, and final transportation is so great as to render success in the industry a matter of skillful manipulation. The value of the stone is in large measure proportionate to the work done upon it. In the rough it is valued at \$2 or less a ton, but when sawed into slabs its value is increased to about \$15, and when made into laundry tubs it may attain a value of about \$30 a ton. The production of soapstone and talc in the United States is steadily increasing, according to the United States Geological Survey, Department of the Interior. In 1900 it was 27,943 short tons, in 1910 it was 150,716 tons, and in 1915 it was 186,891 short tons.

REMOVAL NOTICE.

THE WESTERN VACUUM SUPPLY CO. have moved to 1125 Market Street, Room 202.

Associated Catalogues.

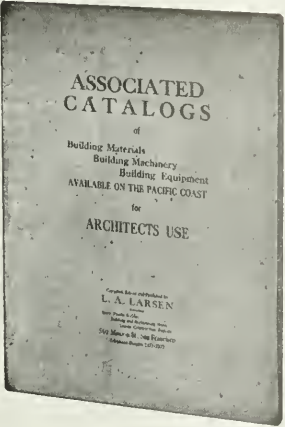


Here is where the Architect usually files the circulars, catalogues, announcements, etc., that come to his office. He can't take care of them. There are too many of them.

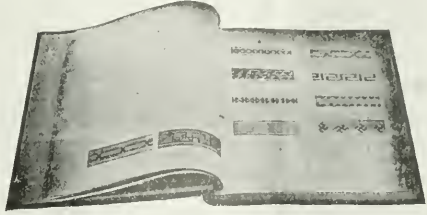


the Remedy:

Associated Catalogues is a collection of catalogues of Building Materials, Building Equipment and Building Machinery available on the Pacific Coast, bound in one volume, thoroughly indexed for instant reference for Architects use.



Every Architect, Consulting Engineer and Large Corporation Purchasing Agent on the Pacific Coast will receive a copy Free. When



Size of pages, 11x14 inches.

the Architect is preparing his plans and specifications, he wants to know how to specify your goods. It's up to you, Mr. Dealer, to make it easy to specify your products.

Associated Catalogues presents the solution. Price per page \$30.00. Send for specimen pages.

L. A. LARSEN, Publisher

560 Mission St.,

San Francisco

Branch Offices: Los Angeles, Seattle, Portland.

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E PIERCE - Manager
905 SIXTH STREET

CONSTRUCTION WORK ABROAD.

HONOLULU.

Contract Awarded for Nurses' Home.

The Pacific Engineering Company has been awarded the contract to build the nurses' dormitory at the Children's Hospital. Its bid was \$24,937, and, according to the agreement, the building will be finished within five and a half months.

The structure is to be entirely of concrete and modern in every respect. A feature of the building is a large sleeping porch on the second floor at the rear, where all the nurses will sleep, using their rooms only for the purpose of dressing.

HONOLULU.

To Start Sewer System at Schofield.

Officers of the quartermaster's department, Hawaiian department, state that plans are practically completed for calling for bids on the big sewer system at Schofield Barracks, which will mean an expenditure of practically \$40,000. Plans for the system have been under way for seven years, but not until a few weeks ago was an appropriation set aside for the work.

Bids are also to be called for soon on material for 18 officers' quarters, four field officers' quarters and five ready-made houses. Rock crushers and planing mills for the work of construction about to begin under the recent appropriation will be erected as soon as bids have been received and considered.

FAST ELECTRIC TRAINS TO
SACRAMENTO

LEAVE KEY ROUTE FERRY.

Leave Daily except as noted.
7:20A Sacramento, Dixon Jet, Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A Concord, Diablo and Way Stations.
9:00A Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland Carries Parlor Observation Car.
9:40A Pinehurst, Concord, Sundays and Holidays.
11:20A Sacramento, Pittsburg, Bay Point, Colusa, Chico.
*1:00P Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland
4:00P Concord and Way Stations.
4:40P Sacramento, Pittsburg, Dixon Jet, Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P Sacramento, Pittsburg, Dixon, Woodland and Way Stations.
* Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.

OAKLAND, ANTIOCH & EASTERN RAILWAY

Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker,
2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing;
Telephone Oakland 3751

STOP

Do not purchase your **mixers** or Equipment from Eastern **Agents**.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY?

Because we give BETTER SERVICE and VALUE

TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For
You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

To the Building and Engineering News
560 Mission Street, San Francisco

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Cut this out and mail to-day

Send me the Building and Engineering News for _____ years and
will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 47

Publication Office,
500 Mission St.

San Francisco, Cal., November 22, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

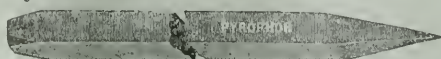
Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

**PYROPHOR is a
Tool Steel** which

is almost indestructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy

A TOOL NOT A TOY



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,

San Francisco

Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Sutter 5231

Member

Insurance Brokers Exchange

FRED H. BOGGS INSURANCE

68 POST STREET

Foxcroft Building

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2907
Oakland, Oakland 5941

THE

Safe Deposit Vaults of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Met. Gough and Octavia

SAN FRANCISCO, CAL.

Save your clients

from the sound of a noisy closet that disturbs them and embarrasses their guests.

Key-eta eliminates those sounds they do not want to hear.

It suppresses the sound of gurgling and rushing water to a minimum.

Key-eta is an attractive well built closet that will give years of service. Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.



"Pacific"



Plumbing Fixtures

Main Offices and Showroom.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA



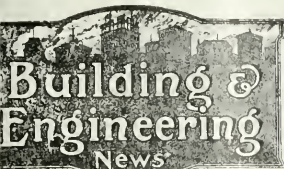
Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. November 22, 1916

Sixteenth Year, No. 47



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.
By A. LAHSEN,
Publisher and Proprietor.
W. D. Manville, News Editor,
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
500 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	1
Apartment Houses.....	1
Bonds.....	1
Bridges, Dams & Harbor Work.....	1-5
Churches.....	5
Court Houses.....	5
Factories and Warehouses.....	5
Fire Houses and Jails.....	5
Flats.....	5
Fresno, Modesto, Stanislaus and Central California.....	23-24
Garages.....	5
Hospitals.....	6
Hotels.....	6
Libraries.....	6
Los Angeles and Southern California.....	26-27
Marin, Contra Costa and Sonoma Counties.....	22-23-24
Oakland and Alameda County.....	17-18-19-20-21
Portland and Oregon.....	27
Post Offices.....	6
Residences.....	6-7
Sacramento, Stockton and Northern California.....	24-25-26
San Francisco, 11-12-13-14-15-16-17	
San Jose & Santa Clara Valley.....	21-22
Schools.....	7
Sealed Proposals.....	19
Seattle and Washington.....	27
Sewers and Street Work.....	7-8-9
Stores and Offices.....	9-10
Theatres.....	10

BUILDING OPERATIONS FOR OCTOBER.

It would be easy to give good reasons for a decline in building operations for the month of October. Prominently among them would be the steadily rising prices for building material. Pre-election uncertainties and precautions due to the foreign outlook might be included. But construction work in October ignored all restrictive influences. It makes the best showing for many months.

The official reports of building operations in 117 of the principal cities of the United States for October, as received by the American Contractor, Chicago, The California Development Board and The Daily Pacific Builder, total \$86,710,766, as compared with \$68,929,479 for October last year. The October statement this year also shows a decided increase over the statement of the preceding month, which was \$72,975,432. From whatever comparison made the report seems highly favorable.

Cities	Oct. 1916	Oct. 1915
Akron.....	\$ 1,077,088	\$ 1,213,045
Alameda.....	31,164	29,146
Allentown.....	128,535	154,725
Altoona.....	96,569	84,229
Atlanta.....	311,107	252,251
Atlantic City.....	127,120	168,632
Bakersfield, Cal.....	32,185	20,347
Baltimore.....	680,000	629,138
Bayonne.....	87,645	82,944
Berkeley, Cal.....	179,250	126,150
Birmingham.....	180,928	171,656
Birmingham.....	148,733	136,747
Boston & vicinity.....	7,591,000	4,871,000
Bridgeport.....	572,463	655,354
Brooklyn.....	80,925	75,160
Buffalo.....	972,000	846,000
Canton.....	322,685	173,600
Cedar Rapids.....	267,000	116,000
Charlotte.....	66,600	247,820
Chattanooga.....	55,403	90,440
Chicago.....	11,408,300	12,479,250
Cincinnati.....	828,880	865,575
Cleveland.....	5,262,355	3,097,501
Colorado Springs.....	15,544	32,162
Columbus.....	575,630	390,685
Dallas.....	181,226	243,887
Davenport.....	121,350	67,255
Denver.....	277,350	192,450
Des Moines.....	345,130	221,701
Detroit.....	5,755,540	2,611,400
Dubuque.....	47,275	9,365
Duluth.....	225,916	217,210
East Orange.....	177,541	66,770
East St. Louis.....	112,500	76,505
Elizabeth.....	159,226	108,109
Erie.....	248,242	92,282
Eureka, Cal.....	2,430	9,650
Fort Wayne.....	302,500	250,800
Fort Worth.....	224,647	91,192
Fresno, Cal.....	65,127	76,930
Grand Rapids.....	174,270	178,576
Harrisburg.....	140,526	158,400
Hartford.....	1,171,569	493,718
Haverhill.....	136,650	142,500
Holyoke.....	109,190	88,975
Huntington.....	132,170	74,040
Jacksonville.....	111,985	50,260
Kansas City, Kan.....	42,990	65,894

Kansas City, Mo.....	1,093,521	1,512,013
Lawrence.....	107,375	173,430
Lincoln.....	69,575	103,010
Los Angeles, Cal.....	1,408,738	787,389
Louisville.....	321,510	271,610
Manchester.....	194,989	290,770
Memphis.....	320,560	165,005
Milwaukee.....	1,629,587	637,936
Minneapolis.....	1,154,675	2,338,555
Montgomery.....	20,845	23,747
Nashville.....	530,733	181,738
Newark.....	663,790	722,270
New Bedford.....	407,212	124,725
New Britain.....	276,825	124,725
New Haven.....	612,605	250,120
New Orleans.....	121,402	65,590
New York City.....	13,377,672	10,527,006
Manhattan.....	6,776,606	2,070,466
Bronx.....	1,192,022	2,304,664
Brooklyn.....	3,187,089	3,670,872
Queens.....	1,755,790	1,267,324
Richmond.....	466,155	23,650
Norfolk.....	115,290	120,288
Oakland, Cal.....	441,690	467,339
Oklahoma City.....	328,269	124,445
Omaha.....	436,640	360,225
Pasadena, Cal.....	75,131	205,955
Pittsburg.....	219,545	54,365
Paterson.....	200,648	90,496
Peoria.....	193,465	109,760
Philadelphia.....	4,055,045	2,980,665
Pittsburgh.....	875,790	1,274,960
Portland, Ore.....	695,945	210,595
Quincy.....	124,773	96,103
Reading.....	145,275	91,775
Richmond, Cal.....	63,708	18,908
Richmond.....	397,745	181,203
Rochester.....	1,032,370	784,969
Sacramento, Cal.....	120,162	99,277
Salt Lake City.....	260,435	167,655
San Diego, Cal.....	148,811	120,885
San Francisco.....	1,390,371	2,120,687
San Jose, Cal.....	373,120	72,003
Santa Rosa, Cal.....	7,380	7,170
Savannah.....	373,065	55,515
Schenectady.....	222,670	62,061
Seranton.....	90,295	113,400
Seattle, Wash.....	1,894,305	55,765
Shreveport.....	194,281	75,124
Sioux City.....	163,200	147,950
South Bend.....	116,535	38,235
Spokane, Wash.....	122,702	162,022
Springfield, Ill.....	81,265	162,335
Springfield, Mass.....	344,830	386,792
St. Joseph.....	66,575	61,618
St. Louis.....	1,333,381	1,214,618
St. Paul.....	880,512	739,308
Stockton, Cal.....	459,191	198,687
Superior.....	377,226	43,072
Tacoma, Wash.....	96,427	70,205
Tampa.....	72,522	158,120
Terre Haute.....	173,999	37,268
Toledo.....	774,544	815,552
Topeka.....	37,576	55,759
Trenton.....	297,539	181,624
Troy.....	62,875	65,039
Utica.....	238,275	279,925
Washington, D. C.....	1,099,744	1,344,999
Wichita.....	86,975	41,440
Wilkes-Barre.....	84,478	10,283
Wilmington.....	204,070	130,352
Woonsocket.....	61,325	11,460
Worcester.....	514,608	371,142
Yonkers.....	382,480	341,685
Total.....	\$86,710,766	\$68,929,479

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$30,000. Architect, W. A. Harman, 37 States street, S. F. Owner, L. B. Ham, 274 25th avenue, S. F. Location, southeast Lake and 20th avenue, covering an area of 32 1/2 by 58 feet. Will contain nine apartments of three and four rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house, 3 story and base. Class C construction, \$25,000. Architect, W. G. Hind, 46 Kearny street, S. F. Owners, Mealey & Collins. Location, southwest Powell and Washington streets. Plans complete and work to be done by Day Labor.

SEATTLE, WASH.—Apartment house, 5 story and base, brick and steel, \$70,000. Architect, R. Hamilton Rowe, Northern Bank Bldg., Seattle. Owners, Securities Construction Co., Securities Bldg., Seattle. Location, 4th avenue and Bell street. Will contain 45 apartments of two, three and four rooms. Plans complete and figures being taken.

Contracts Awarded.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$25,000. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, John Schroder. Contractors: Brick work, Hogberg & Ludwig; plumbing, E. V. Lacey; heating and ventilating, Atlas Heating and Ventilating Co.; sheet metal work, The Western Furnace and Corncor Co.; electric work, The American Electric and Engineering Co.; structural iron and fire escapes, L. Schaffer Co.; excavating and concrete work, Camp & Carillon; carpentry being done by owner.

VALLEJO, SOLANO CO., CAL.—Apartment house, 3 story and base, frame, \$6,500. Architect none. Owner, Harry Handley, Vallejo. Contractors, George H. Hoyt Co., Berkeley. Contract price, \$6,500.

ROADS

TRACY, SAN JOAQUIN CO., CAL.—Election held by land owners of the West Side Irrigation District carried by a large majority. The election will provide funds of \$295,000, which will finance the construction of canals, pipelines and pumping stations. W. G. Hunter, engineer for the district, estimates that the pumps will be able to supply the 11,300 acres of the district at all times. The West Side District extends eight miles by two, and in general lies between Bethany Ferry and Banta.

KLAMATH FALLS, ORE. This city has voted in favor of amending the city charter to authorize and empower the Council to buy, build, equip, maintain and operate railways and to find indebtedness to carry out any one or more of said powers by issuing bonds to an aggregate amount of \$500,000. The bonds are for the purpose of as-

sisting Robert E. Straborn in the construction of the California, Oregon and Eastern Railroad.

Lakeview also voted in favor of the project and will contribute \$20,000 for purchasing terminals and rights of way in and adjacent to the town of Lakeview.

EL CENTRO, IMPERIAL CO., CAL.—The First National Bank, purchaser of the \$12,000 El Centro grammar school bonds, has notified the Supervisors that the bonds could not be accepted owing to the fact that they cannot approve the proceedings.

BAKERSFIELD, KERN CO., CAL.—Kern County will sell \$500,000 worth of highway bonds early in December. This is the last block of bonds that the county will sell. The proceeds will be used to complete the 350 miles of highway system which it was voted to construct in 1913.

SEATTLE, WASH.—An election has been called for December 2nd to vote bonds of \$150,000 for the construction of a belt line railroad along the waterfront.

NEWPORT BEACH, ORANGE CO., CAL.—Bonds of \$100,000 have been voted and will be offered for sale shortly. The proceeds of the sale will be used for harbor improvements.

HANFORD, KINGS CO., CAL.—The City Trustees have decided to call a bond election for \$30,000 for the purpose of providing funds for the extension of the city fire mains.

SANTA ANA, ORANGE CO., CAL.—The corner of Tenth and Main streets has been purchased by the directors of the First Church of Christ, Scientist, and a new church building will be erected. The site covers an area of 125 by 250 feet. No plans for the building have been drawn.

SACRAMENTO, CAL.—That the \$15,000,000 State highway bonds voted by the people of California will find a ready market is indicated by the number of inquiries already received by State Treasurer Richardson and Secretary of State Jordan from prospective bond buyers.

DUNON, SOLANO CO., CAL.—Local landholders have begun soliciting farmers to sign up petitions to the County Supervisors for the organization of an irrigation district.

The probability is that instead of attempting organization of a 55,000-acre district, efforts will be confined to a district embracing 25,000 acres, and either the sites of Guenoc or Devil's Head in the hills west of Winters developed as a reservoir.

WOODLAND, YOLO CO., CAL.—At a recent meeting of the Farm and Town Club, a \$1,250,000 bond election was suggested by H. L. Huston, Woodland attorney, for a lateral system of highways in Yolo County.

SACRAMENTO, CAL.—Sacramento will be asked to vote between \$4,500,000 and \$6,000,000 bonds for a filtered water system, schools and municipal auditorium next April, according to a state-

ment made public today by Theo. Coulter, Commissioner of Public Works.

Coulter favors the election on the propositions being held on three successive days in April or soon thereafter. The auditorium, it is thought will cost \$600,000, \$2,000,000 for additional school facilities and \$2,750,000 for the water system.

BRAWLEY, IMPERIAL CO., CAL.—A special election will be called by City Trustees to vote a \$17,000 bond issue for improving the city water system, including the construction of additional concrete basin and a sewer.

WILLOWS, GLENN CO., CAL.—November 9th has been fixed as the date of election for the purpose of determining whether the proposed Prillon-Codora-GleNN Irrigation District shall be organized.

The same date has been fixed for election with regard to the Jacinto District.

MODESTO, STANISLAUS CO., CAL.—Orders for advertisement for bids the \$1,482,000 county highway bonds issue voted November 7th and for \$135,000 bond issue of the Modesto High School District voted a month ago were made by the County Board of Supervisors at their last regular meeting. Bids for these bonds will be opened at the next regular meeting of the Board in December.

BRIDGES, DAMS AND HARBOUR WORK

HANFORD, KINGS CO., CAL.—Trestle, etc. Cost not stated. Engineer, County Surveyor, Hanford. Owns Kings County. Bids will be opened December 5th for the construction of three pile trestle highway bridges on Cross Creek and its branches, located west and northwest of Corcoran, Kings County.

HANFORD, KINGS CO., CAL.—Bridges reinforced concrete. Cost not stated. Engineer, County Surveyor, Hanford. Owns Kings County. At the meeting of the County Supervisors plans and specifications prepared by the County Engineer for a bridge on Cross Creek northwest of Corcoran were approved and the County Clerk instructed to advertise for bids on December 5th. Further information and plans may be had from the County Clerk.

RICHMOND, CONTRA COSTA CO., CAL.—Sea wall, etc., \$55,000. Engineers, Haviland & Tibbitts, Alameda Commercial Bldg., S. F. Owners, C. of Richmond. Bids will be opened November 27th at 8 p. m. for the construction of a sea wall of clay in Richmond inner harbor.

SAN ANDREAS, CALAVERAS CO., CAL.—Bridge fill, etc., \$985. Engineer, County Surveyor, San Andreas. Owns Calaveras County. Only one bid received by the County Supervisors for the filling of the approaches to a concrete bridge between the towns

road Flat and West Point. The bid was that of A. G. Roberts and George Porteous for \$985. The bid was received, and the work ordered done by the Day Labor system.

VENTURA, VENTURA CO., CAL.—Bids, reinforced concrete. Cost not stated. Engineer, County Surveyor, Ventura. Owners, Ventura County. Bids will be opened on December 5th at 11 a. m. for the construction of Miller Canyon bridge on Foothill rd., three miles from Haines Siding, Ventura County. The work consists of a 30-foot bridge, consisting of one rubble masonry abutment with pier deck and all the necessary fill, guard fence, gutter drains,

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—Bids, reinforced concrete. Cost as stated. Engineer, County Surveyor, San Luis Obispo. Owners, San Luis Obispo County. All bids received by the County Supervisors for construction of a bridge on the Techile School road have been received. The bids were as follows: J. M. Maino, \$3,445; W. L. Gilham & Co., \$2,926; Midland Bridge Co. of San City, Mo., \$5,300.

SAN RAFAEL, MARIN CO., CAL.—Bids, reinforced concrete. Cost not stated. Engineer, County Surveyor, San Rafael. Owners, Marin County. Bids will be opened on December 5th at 10 a. m. for clearing, regrading and ditching that portion of the county road known as the Pt. Reyes Station and shall road, lying in Road District No. 1, a distance of four and seven-tenths miles, and for the construction of concrete bridges, culverts and pavements.

MERCED, MERCED CO., CAL.—Bids, reinforced concrete. Cost not stated. Engineer, County Surveyor, Merced. Owners, Merced County. At last meeting of the County Board Supervisors County Surveyor Cowell instructed to prepare plans and specifications for a concrete bridge on Los Banos-Hungry Hollow road, also for a bridge on the Dugan

MERCED, MERCED CO., CAL.—Bids, reinforced concrete. Cost as follows. Engineer, County Surveyor, Merced. Owners, Merced County. At last meeting of the Merced County Supervisors bids were opened for the construction of Drainage Districts Nos. 1 and 2, and there were two bidders each. The Board laid all the bids over for further consideration before awarding contracts. According to the submitted and the overhead charge will have to be added the costs of Districts will aggregate about \$110,000. District No. 1 will cost about \$35,000, and District No. 2 about \$75,000. Work on awarding contracts will be begun at the next meeting.

SALIA, TULARE CO., CAL.—Bids, reinforced concrete. Cost not stated. Engineer, County Surveyor, Salia. Owners, Tulare County. Bids will be opened on December 5th at 2 p. m. for the construction of a reinforced concrete bridge over Deer Creek, near center of section 21, township 23 N., range east, M. D. R. and M. line of the State highway, to be known as "Tulare County Bridge No. 1."

SALIA, TULARE CO., CAL.—Bids, reinforced concrete. Cost not stated. Engineer, County Surveyor,

Visalia. Owner, Tulare County. Bids will be received by the Board of Supervisors up to December 5th for the construction of an 80-foot concrete bridge at Earlhart over the Tulare River.

Contracts Awarded.

MERCED, MERCED CO., CAL.—Bridges, reinforced concrete. Cost as follows. Engineer, County Surveyor, Merced. Owners, Merced County. Contracts for the construction of five reinforced concrete bridges to be constructed on county roads were awarded at the last meeting of the County Supervisors as follows: Bridge No. 47, Middle road, over San Luis Creek, W. H. McElroy, Merced, \$5,260; bridge No. 48, Baxter road, over Dutchman Creek, W. H. McElroy \$1,430; bridge No. 49, Pate road, over Mariposa Creek, Parlier & Green, Bakersfield, \$1,187; bridge No. 50, State Highway south of Merced, W. H. McElroy, \$1,340; bridge No. 51, Cox Ferry road, over Canal Creek, Halverton & Gorda, Merced, \$1,260.

EUREKA, HUMBOLDT CO., CAL.—Bridges, 2, timber structures. \$1,650. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Contractor, John Hamilton, Eureka. Contract price, \$1,650.

WILLOWS, GLENN CO., CAL.—Bridges, reinforced concrete. Cost as follows. Engineer, County Surveyor, Willows. Owners, Glenn County. Contractor, W. R. Zumwalt, 149 North Tehama street, Willows. The Mason bridge will cost \$2,850, the Lochemeyer, \$2,750, and the Hiram West, \$1,900. Work will be started immediately.

RED BLUFF, TEHAMA CO., CAL.—Bridges, reinforced concrete and timber. Cost as follows. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. At the last meeting of the Tehama County Supervisors a contract was awarded to J. A. Witter for the building of the Oak Creek bridge. The contract price was \$7,773. Four contracts were let to Bohn & Lanning for that number of bridges over different points on the Lassen road. Contract No. 1 was for \$225; No. 2 for \$1,173; No. 3 for \$188, and No. 4 for \$352.

CHURCHES.

MONTEREY, MONTEREY CO., CAL.—Church, 1 and 2 story, frame and concrete, \$35,000. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owners, Roman Catholic Church. Will contain large main auditorium and Sunday school rooms. Plans being prepared.

PIEDMONT ALAMEDA CO., CAL.—Church, 2 story and base, frame, \$10,000. Architect, Albert Farr, Foxcroft Bldg., S. F. Owners, Interdenominational Church. Will contain an auditorium, Sunday school rooms and social hall. Plans complete and work being figured.

COURT HOUSES.

REDWOOD CITY, SAN MATEO CO., CAL.—Oil burning system, \$769. Engineer's name not given. Owners, San Mateo County. The following bids were received for installing a new oil burning system in the County Court House: Newsom & Henning, S. F., \$769; S. T. Johnson Co., S. F., \$725; W. E. Ray, S. F., \$587; Gilley-Schmidt, S. F., \$810.

Contracts Awarded.

MERCED, MERCED CO., CAL.—Metal furniture, \$1,118.75. Architect, none. Owners, Merced County. Contractors, General Fireproofing Co., 411 Market street, S. F. Contract price, \$1,118.75.

Factories and Warehouses

OAKLAND, CAL.—Machine shop, 1 story, brick, \$6,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, H. W. Leach. Location, gore corner of Broadway and Piedmont. Will contain work shop and office. Plans complete and figures being taken.

OAKLAND, CAL.—Laundry, 2 story and base, \$8,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Crystal Laundry. Location, Chestnut near 22nd street. Will contain main office and work space. Plans are being figured.

Contracts Awarded.

SOUTH VALLEJO, SOLANO CO., CAL.—Factory, 1 and 4 story, reinforced concrete and steel. Cost not stated. Engineer, Maurice Couchot, 110 Sutter street, S. F. Owners, Sperry Flour Co. Contractor, Thomas F. McGill, Vallejo, excavating. Contract price, \$5,000.

FIREHOUSES AND JAILS

BAKERSFIELD, KERN CO., CAL.—Jails, 2, 1 story, reinforced concrete. Cost not stated. Architect's name not given. Owners, Kern County. Contractors, Ferguson & Rogers, Bakersfield. Contract price not stated.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,500. Architect, none. Owners, Hemminga Bros., 1600 Fell street S. F. Location, east 15th avenue south California. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

GARAGES

SAN FRANCISCO—Garage, 1 story and base, reinforced concrete, \$25,000. Architect, William H. Crim, Jr., 425 Kearny street S. F. Owner, Mr. Lee. Location, south Taylor street east Taylor. Designed for a commercial garage and will contain office besides storage space. Plans being prepared.

SAN FRANCISCO—Garage, 1 story and base, reinforced concrete, \$17,000. Architects, E. P. Antonovich and Harvey E. Harris, 20 Montgomery street, S. F. Owner's name not given. Location, Van Ness avenue. Designed for a commercial garage and auto sales rooms. Plans revised and new figures being taken.

GOVERNMENT WORK & SUPPLIES

Douglas, Ariz., Post Office.

As previously reported, the contract for the construction complete of the U. S. post office at Douglas, Ariz., was awarded to Grant Pee, San Francisco, Cal., at \$77,000, using limestone for all work except where granite is required. In the construction of the building, fixtures and material manufactured by the following firms will be used: Plumbing fixtures, Crane Co.;

column and wall radiators, American Radiator Co.; non-conducting coverings, Johns-Manville Co.; radiator valves, Jenkins Brothers; air valves for radiators, Hoffman Steam Specialty Co.; air valves for steam mains, Jenkins Brothers; cabinet and tablet, Frank Adam Electric Co.; conduit, Safety Armortite Conduit Co.; rubber covered wire, John A. Roebbing's Sons Co.; flush switches, Perkins.

Tacoma, Wash., Floor Repairs.

The contract for repairs to floors, etc., in the U. S. post office at Tacoma, Wash., has been awarded to Donnellan & McKenzie at \$801.

Denver, Colo., Mail Handling Devices.

The contract for installing mail handling devices, etc., in the U. S. post office at Denver, Colo., has been awarded to the Lamson Co., Boston, Mass., at \$8,448, time 120 days.

HOSPITALS.

SAN FRANCISCO—Hospital disinfector, \$7,690. Architect, none. Owners, City and County of San Francisco. Herman Lawson presented the lowest bid and will be awarded the contract for furnishing a disinfector for the northeast wing of the San Francisco Hospital.

AGNEWS, SANTA CLARA CO., CAL.—Hospital cottage, concrete and frame, \$22,081. Architect, State Architect George R. McDougall, Sacramento. Owners, State of California. Grace & Bernier, 703 Market street, S. F., presented the lowest figure for the open air cottage at Agnews and will be awarded the contract. A complete list of these figures appears under the heading of Bids Opened in this issue.

FRESNO, FRESNO CO., CAL.—Sanitarium, 3 story and base, reinforced concrete, \$75,000. Architects, J. E. Kraft & Sons, Phelan Bldg., S. F. Owners, Burnett Sanitarium Co. Location, 8 street near Fresno. Revised plans have been approved by the owners and bids will be called for shortly.

Contracts Awarded.

SAN JOSE, SANTA CLARA CO., CAL.—Hospital boiler, \$1,978. Architect, none. Owners, Santa Clara County. Contractors, Harron, Rickard & McCone, 139 Townsend street, S. F. Contract price, \$1,978.

PATTON, SAN BERNARDINO CO., CAL.—Hospital cottage, 1 story, frame and concrete, \$36,556. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Contractors, Cresmer Mfg. Co., Riverside. Contract price, \$36,556.

HOTELS.

OAKLAND, CAL.—Hotel, 3 story and base, frame, \$10,000. Architect, Chester H. Miller Savings Bank Bldg., Oakland. Owner, Harry C. Knight. Location, Havenscourt. Will contain two stores on the ground floor and 22 rooms above. Plans being prepared.

OLUF, CONTRA COSTA CO., CAL.—Hotel, 2 story and base, frame, \$22,000. Architect James T. Narbett, 704 Macdonald avenue, Richmond. Owners, Union Oil Co. Will contain a number of single rooms, public and private baths and a large dining room and office. Plans being prepared.

LIBRARIES.

OAKDALE, STANISLAUS CO., CAL.—Library, 1 story and base, concrete. Cost as follows. Architect's name not given. Owners, Stanislaus County. The two lowest bids received by the Stanislaus County Supervisors for the construction of the proposed Carnegie Library building at Oakdale have been taken under advisement. Five propositions were submitted to the bidders, the variations being in amount of furniture and work subsidiary to construction of the main building. On the inclusive proposition and on the one with the least amount of furniture, sidewalks, etc., the two bids retained were: Knapp, \$7,650 and \$7,100; Voorhees, \$7,793 and \$7,250.

POST OFFICES

BAKERSFIELD, KERN CO., CAL.—Post office, 2 story and base, concrete and brick. Cost not stated. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be advertised for between December 1 and 15 for the erection of the new Federal building and post office at the corner of 15th and G streets. The new building will be similar to the one at Berkeley.

WENATCHEE, WASH.—Post office, 2 story and base, brick and stone. Cost as follows. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids opened by the Treasury Department for the construction of the U. S. post office at Wenatchee resulted as follows. First figures, limestone; second figures, sandstone: Pacific States Construction Co., \$99,763, \$101,323; Welch Bros. & Hanniman, \$86,333, \$96,323; Olson & Johnson, \$85,695, \$87,495; W. D. Lovell, \$81,483, \$81,483; Henriksen & Co., \$79,638, \$80,798; W. H. Maxwell, \$95,500, \$97,700; T. E. Young, \$87,000, \$87,000; John Wallin, \$78,092, \$80,521; Puget Sound B. & D. Co., \$87,400, \$87,300; Sound Construction Co., \$79,633, \$81,634; T. E. Young, John Wallin and the Puget Sound Bridge and Dredging Co. also bid \$88,000, \$80,300 and \$88,900 on Wilkeson sandstone, respectively. John Wallin, 550 South Fifth street, Tacoma, is apparently the low bidder.

RESIDENCES

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$14,000 each. Architects, Falzh & Knoll, Hearst Bldg., S. F. Owners Newell-Murdoch Co. Location, Forest Hill. Each house will contain twelve rooms, three baths and separate garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 2, 1 story and base, frame, \$2000 each. Architect, none. Owner, W. J. Walker 540 28th street, Oakland. Location, southwest Mahel and Derby. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect none. Owner, E. A. Janssen, Hearst Bldg., S. F. Location, 1613 Beverly Place. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 1 story and base, frame, \$2000 each. Architect none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, Sacramento, Virginia and Bonar streets. Each dwelling will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2000. Architect, none. Owners, United Home Builders, 1527 Broadway, Oakland. Location, 1626 Beverly Place. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, 9th street and Buena Vista avenue. Will contain five rooms bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 3, 1 story and base, frame, \$1,800. Architect, none. Owner, C. M. MacGregor, 470 13th street, Oakland. Location, east Fleet street north of Hampel. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner R. Oates, 1580 Vista street, Oakland. Location north Hampel east Elston. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, C. J. Pfrang, 5487 Claremont avenue Oakland. Location, east James avenue south Clifton. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$7,500. Architect, August G. Headman, Call-Post Bldg. S. F. Owner, Mrs. Blanch Whiteside. Location, Claremont Court. Will contain ten rooms, two baths and sleeping porch. Separate garage. Plans complete and figures being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner K. McDonald, 1933 Grant avenue, Oakland. Location, north Lockwood west 73rd avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, George S. Itisher 1814 Hearst avenue, Berkeley. Location, 1800 Grant street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$1,600 each. Architect none. Owner, S. G. Wilson, 238 East 16th street, Oakland. Location, north Nevie east 35th avenue. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner R. C. Hillen, 430 Haight avenue, Alameda. Location, north Arkansas east Curran avenue. Will contain five rooms, bath and sleeping porch. Plans

SCHOOLS

complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame and brick. Cost not stated. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owner, Fred B. Henderson. Location, Washington and Laurel streets. Will contain sixteen rooms, four baths and conservatory. Plans complete and figures being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect none. Owner, Carl Erickson, 1200 Masonic avenue, Berkeley. Location, 1203 Evelyn street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architects, J. C. and M. Newsom 1748 Broadway, Oakland. Owner, Adolph Werum. Location, Harper Court. Will contain five rooms, bath and sleeping porch. Plans being prepared and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, B. F. Butler 333A 49th street, Oakland. Location, east Grant avenue north Berkeley Way. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architects, J. C. and M. Newsom 1748 Broadway, Oakland. Owner, W. B. White. Location, east 19th street and 19th avenue. Will contain six rooms, bath and sleeping porch. Plans being prepared and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 2 story and base, frame, \$1,000 each. Architect, none. Owner, A. M. Sylvia, 480 38th avenue, Oakland. Location, west Santa Clara north Crescent. Each house will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, I. L. Grainger, 1215 Monterey avenue, Berkeley. Location, south Sonoma west Peralta. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, A. Hunse, 4456 Fleming avenue Oakland. Location, north Fleming avenue east Courtland. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, James T. Nabbett, 704 Macdonald avenue, Richmond. Owner, W. T. Helms. Will contain six rooms, bath and sleeping porch. Plans complete and figures being taken.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$1,000. Architect, none. Owner, Just Martin, 5030 Maninita street, Sacramento. Location, Elmhurst. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—School addition, 1 story, frame, \$11,919. Architect, J. J. Donovan, Berry Bldg. Oakland. Owners, City of Oakland. G. S. Armstrong submitted the lowest figure for this addition and will probably be awarded the contract. A complete list of the bids appears under the heading of Bids opened in this issue.

OAKLAND, CAL.—School supplies. Cost not stated. Architect, none. Owners, City of Oakland. Bids will be opened on November 27th for furnishing tools, seats and doing certain repair work.

MARYSVILLE, YUBA CO., CAL.—School, 1 story and base, frame, \$18,000. Architect Julia Morgan, Merchants Exchange Bldg., S. F. Owners, Marysville School District. I. C. Evans, Marysville, submitted the lowest bid for this work and will be awarded the contract. His bid was \$20,529, but some deductions will bring it down to \$18,000, the amount available.

HANFORD, KINGS CO., CAL.—School gymnasium, 1 story, frame, \$2,000. Architects Glass, Butler & Bowser, Republican Bldg. Fresno. Owners, City of Hanford. All bids received were in excess of the amount available and were rejected. New bids will be called.

SAN CARLOS, SAN MATEO CO., CAL.—School, 1 story and base, frame, \$15,000. Architect Norman R. Coulter, 46 Kearny street, S. F. Owners, San Carlos School District. Plans are nearly complete and figures will be called for this week.

Contracts Awarded.

ALAMEDA, ALAMEDA CO., CAL.—School, 2 story and base, brick and steel, \$64,940. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. Contractors, Anderson & Ringrose, 320 Market street, S. F. Contract price, \$64,940.

FRESNO, FRESNO CO., CAL.—School, 2 story and base, brick and concrete, \$48,100. Architects Coates & Traver, Rowell Bldg., Fresno. Owners, City of Fresno. Contractor, James J. Daly, Griffith-McKenzie Bldg., Fresno. Contract price, \$48,100.

LOS MOLINAS, TEHAMA CO., CAL.—School, 1 story and base, reinforced concrete, \$6,863. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Los Molinas School District. Contractor W. Pearce, Monadnock Bldg., S. F. Contract price, \$6,863.

SEWERS, STREET WORK & WATER SYSTEMS

SAN FRANCISCO—Street improvement. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The Blanchard-Brown Co., 660 Market St. submitted the lowest bid to the Board of Public Works for the improvement of Phelan avenue between Ocean and Judson at \$19,263.40. There were five other bidders on the work.

OAKLAND, CAL.—Storm water sewer. Cost as follows. Engineer, City Engineer, Oakland. Owners, City of Oakland. The following bids were opened by the Oakland City Council for the construction of a storm water conduit in, through and along the

center line of S. and public square in the city of San Leandro, described as resolution No. 13725, N. S. A. Kopperud, 1009 High street, Oakland, presented the lowest bid at \$12,000. Other bidders were: McCrae & Lavy, \$12,122. Piedmont Construction Co., \$12,502.66. Ostrander & McNair, \$12,586.40. P. Mathiesen, \$13,120. Contra Costa Construction Co., \$14,111.77. D. Tuffelmier, \$14,447. A. W. Gorrell, \$14,369.98.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on November 27th for street improvements authorized under the following resolution: That fourth street, from Pennsylvania avenue to its northern termination, be graded to its full width to the official lines and grades, paved with water-bound macadam, curbed, guttered, and sidewalked with cement concrete.

BAKERSFIELD, KERN CO., CAL.—Highway construction, \$70,154.75. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Robert Sherer & Co., 650 Pacific Electric Bldg., L. A., submitted the lowest bid to the Kern County Supervisors for the construction of the Bakersfield-Mojave road. Their bid was \$70,154.75. After consideration the matter of awarding the contract was referred to the contract committee for report.

BAKERSFIELD, KERN CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on December 6th at 10 a. m. for grading, paving, and construction of culverts on division 7, section 3, Bakersfield-Taft road, being that portion lying between the Western Water Company's pumping plant and the end of the pavement near Moser's half-way house, length five and three-quarters miles.

MODESTO, STANISLAUS CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Modesto. Owners, City of Modesto. Resolutions of intention for the paving of three blocks on 16th street, between H St. and Needham avenue, have been passed by the City Council, the Board adopting the plans and specifications prepared by City Engineer George Freitas. The Engineer was further instructed to prepare plans for the paving of that portion of 7th street, between the highway section and the Tuolumne bridge.

STOCKTON, SAN JOAQUIN CO., CAL.—Sewer construction, \$967.70. Engineer, City Engineer, Stockton. Owners, City of Stockton. The City Council received only one bid for the construction of a concrete storm sewer which will discharge in Yosemite Lake on the center line of Orange street, produced. The bid was that of W. S. Gause, 15 Park Way, Oakland, at \$967.70, which is 50 per cent above the City Engineer's estimate. The bid was taken under advisement.

MARYSVILLE, YUBA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Marysville. Owners, City of Marysville. Plans and specifications for macadamizing 3,000 feet of roadway, beginning at the Simmerly Slough bridge, one mile north of town, have been accepted by the Supervisors. An order to advertise for bids was issued. The probable cost of the road was not given.

COLUSA, COLUSA CO., CAL.—Finishing cement. Cost not given. Engineer, County Surveyor, Colusa. Owners, Colusa County. Bids received by the Colusa County Supervisors for furnishing the county with cement have been rejected. Bids were received from the following firms: Henry Cowell Lame and Cement Co., The Diamond Match Co., The Pacific Portland Cement Co., and Colusa Lumber Co.

EUREKA, HUMBOLDT CO., CAL.—Sewers. Cost not stated. Engineer, City Engineer, Eureka. Owners, City of Eureka. Plans and specifications were ordered prepared at the meeting of the Eureka City Council for new sewers on L street between Buñne and Sonoma, in alley south of Harris street between D and E streets, and in C street between Grotto and Henderson.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on November 28th at 11 a. m. for street work authorized under the following resolution: That the alley first north of California Boulevard, in Elmhurst, in the city of Sacramento, be improved from Helvetia avenue to Elmhurst avenue by excavating a trench and constructing therein 8, 10, and 12-inch, vitrified, ironstone pipe sewers.

That Marshall avenue, near California Boulevard in Elmhurst, in the city of Sacramento, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer.

That Monterey avenue, near California Boulevard, in Elmhurst, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer, backfilling the trench; constructing eight concrete manholes complete; one 6-inch, vitrified, ironstone flusher branch complete; placing fourteen 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer; placing fourteen 6-inch, vitrified, ironstone Y branches on 10-inch pipe sewer.

That portions of 25th street be improved by grading the space between the property line and curb and constructing concrete sidewalks.

That the alley between Stanley avenue and Cluness avenue, and that the alley between Cluness avenue and Bird-sall avenue, and that the alley between Bird-sall avenue and Hartley avenue, and that the alley between Hartley avenue and McFarland avenue, in Wright & Kimbrough Tract No. 21, be improved by constructing therein 8-inch, vitrified, ironstone pipe sewer, five concrete manholes complete, placing 36 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and doing all necessary excavating and backfilling of trenches.

That the easement granted to the city of Sacramento for the purpose of constructing therein a sewer on the southerly three feet of lots Nos. 145 to 173 inclusive, between 3rd avenue and 4th avenue, in West Curtis Oaks Addition, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer, four concrete manholes complete, placing one flusher branch complete, placing 60 6-inch, vitrified, ironstone Y branches on 8-inch, vitrified ironstone pipe sewer, and backfilling the trench.

That the alley between Carmelo avenue and Manzilla avenue be improved by excavating a trench and constructing an 8-inch, vitrified, ironstone pipe sewer; two concrete manholes complete; placing 21 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and backfilling the trench.

That the three alleys between 2nd avenue and 3rd avenue, in West Curtis Oaks, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer from the north line of 3rd avenue to a point 7 feet north from the south line of 2nd avenue, in each of the following named alleys: The alley first west of 22nd avenue, the alley between 22nd avenue and 23rd avenue, and the alley between 23rd avenue and 24th avenue, etc. Constructing six concrete manholes complete; placing 66 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer; placing two 6-inch, vitrified, ironstone flusher branches complete; replacing 450 square feet of oil macadam pavement; doing all necessary excavating and backfilling of trenches and leaving streets and alleys in their original condition.

That the alley first south of 4th avenue in West Curtis Oaks Addition be improved by excavating a trench and constructing therein an 8-inch, vitrified ironstone pipe sewer; constructing five concrete manholes complete; placing 33 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and backfilling the trench.

That Central avenue in Oak Grove be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer; constructing one concrete manhole complete, and backfilling the trench.

HANFORD, KINGS CO., CAL.—Street paving. \$260,000. Engineer, Edward Lynch, Glendale. Owners, City of Hanford. Approximately sixty blocks of this city will be paved at a cost of \$260,000, according to a decision reached by the Hanford City Trustees at their last meeting. The paving will be of the bituminous type on a concrete base. The Trustees agreed that Dooty and Irwin street should be paved from 8th street, where the paving now ends, to the county road. Harris and Redington streets are to be paved from Sixth to Florida street. Seventh, Ninth and Tenth streets are to be paved to the Santa Fe Railroad.

SAN RAFAEL, MARIN CO., CAL.—Road improvements. Cost not stated. Engineer, County Surveyor, San Rafael. Owners, Marin County. Bids will be opened on December 5th at 10 a. m. for clearing, regrading and ditching that portion of the Fairfax and Bolinas Bay road from the summit of Bolinas Ridge to the head of Bolinas Bay, a distance of four and six-tenths miles, in Road District No. 3, Marin County; and for the construction of culverts and paving thereon.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street improvements. \$50,600.72. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. The City Council has instructed the City Clerk to advertise for bids for a considerable amount of street improvement, the estimated cost of which is \$50,600.72, and bids for the work will be opened on November 28th. The improvement provides for permanent paving on King

street from Mission to Hay street, and on Miles, Peyton and Laurel streets. The district is to be sewered, a 6-inch pipe on King street and 4-inch laterals on the other three streets. Sidewalks are to be built where needed, parkways on a portion of King street, necessary curbing and gutters and a concrete waterway along a portion of King street.

BAKERSFIELD, KERN CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Bids will be opened on November 27th for street improvements authorized under the following resolution: That 21st street between I street and L street, be paved with cement concrete pavement and that curbs and gutters of like material be constructed thereon.

HANFORD, KINGS CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Hanford. Owners, Kings County. Bids will be advertised for soon for the construction of the highway unit running north to Alcorn Bridges with three miles into the Excelsior District for which no bids were received on the first advertising; also the unit running through the island territory west of Hardwick and north of Lemoore, known as the Browndale unit. The County Highway Commission is preparing plans and specifications for this work.

BAKERSFIELD, KERN CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Bids will be opened on November 27th at 5:30 p. m. for the construction of a 6-inch sewer of vitrified, salt-glazed sewer pipe along the center line of the first alley east of L street near 24th street, also on L street near 28th street, also in the first alley east of L street near Bellevue avenue, also in the first alley east of K street near 28th street, also to construct manholes, lampholes and Y's for house connections as shown on plans thereon on file in the Engineer's office.

MARYSVILLE, YUBA CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Marysville. Owners, Yuba County. County Surveyor Crook has been instructed by the Supervisors to prepare plans and specifications for the reconstruction of the Marysville-Oroville road through District 19 on modern ideas. Crook will also prepare plans for a drainage system in the Hallwood Irrigation District and adjacent territory to prevent further flooding of the county roads from water escaping from the rice fields of that section.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on November 29th for street improvements authorized under the following resolutions: That a vitrified pipe sewer, having an internal diameter of 8 inches, be constructed along Mayhelle avenue, between points distant thereon, respectively, 525.5 feet and 825.5 feet northeast from the northeast line of Bayo street. Also that a vitrified pipe lampole with a top of brick and cast iron be constructed at the northeast end of said sewer; also that Y branches, each having a 5-inch opening, be constructed on said sewer so as to pro-

side one such branch for each 40-foot lot and fractional lot remaining into which the abutting property frontage is capable of being divided.

VENTURA, VENTURA CO., CAL.—Street paving. Cost not stated. Engineer, County Surveyor, Ventura. Owners, Ventura County. Sealed bids will be received by the Clerk of the Board of Supervisors until 2:30 p. m. December 5, 1916, for the paving of Castitas, a Crosse, Montalvo, Satocoy and Sespe bridges. The work consists of 4800 square feet of paving with asphalt concrete (Warrentite). Plans and specifications are on file in the office of the Clerk of the Board of Supervisors and in the office of the County Surveyor. J. A. McCloskey is the Clerk.

SANTA ANA, ORANGE CO., CAL.—Street improvements. Cost not stated. Engineer, County Surveyor, Santa Ana. Owners, Orange County. Bids will be received by the Board of Supervisors up to 2 p. m. of December 6th for constructing 2.53 miles of 18-foot wide concrete pavement between Brea and Linda, in accordance with plans and specifications, obtainable from the County Surveyor upon deposit of \$3, to be returned. Certified check for 5 per cent required. W. B. Williams is the County Clerk.

Contracts Awarded

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, San Francisco. Owners, City of San Francisco. The following street improvements have been awarded by the Board of Public Works: The improvement of Genesee street between Sunnyside avenue and coast avenue by the construction of concrete curbs, a 7-foot strip of vitrified brick pavement adjacent to the center line, and by the construction of an asphalt pavement on the remainder of the roadway. Awarded to the Federal Construction Co., 323 Sharon Bldg., for \$144.93.

The improvement of the crossing on 10th and De Haro streets by the construction of a 12-inch, vitrified, salt-glazed, ironstone pipe sewer, three brick catch basins with 10-inch, vitrified salt-glazed ironstone pipe culverts, concrete curbs, artificial stone sidewalks, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to Clarence B. Eaton, 67 11th street, for \$2,170.

The improvement of Clement street between 15th and 16th avenues by the construction of artificial stone sidewalks of the full official width where of already constructed at least twelve 125 feet wide. Awarded to A. O. Field, 165 20th avenue, for \$55.83.

The Board of Public Works has awarded a contract to Karl Ehrhart, 60 Market street, for the construction of the Glen Park sewer on his bid of \$,500.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. The Oakland City Council has awarded a contract to M. P. Camar, 1044 91st avenue, Oakland, for the following work: That a sewer, having an internal diameter of 8 inches be constructed on 76th avenue near East 14th street; also that a brick manhole with cast iron top and a lamp hole with top of brick and cast iron, and Y

branches, having 5-inch openings, be constructed. Said sewer, Y branches and lamp hole (excepting the top thereof) shall be constructed of vitrified sewer pipe. A contract was also awarded the Hutchinson Co., 13th and Franklin streets, Oakland, for the following work: For the grading, curbing with redwood, guttering with concrete gutters two feet wide, and paving with oil macadam 24th avenue from the south line of East 8th street to the northeast line of Elmwood avenue.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commissioners have awarded a contract to Clark & Henery Construction Co., for the following work: That J street, from the west line of Ashby avenue to the east line of Apricot avenue, be improved by constructing concrete curb; concrete gutter; placing cast iron gutter drains with 6-inch vitrified, ironstone sewer pipe elbows attached; 6 and 8-inch, vitrified, ironstone sewer pipe drains; reconstructing existing concrete manhole; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic wearing surface 1½ inches thick; filling in behind the curbs with earth for a distance of 8 feet.

STOCKTON, SAN JOAQUIN CO., CAL.—Storm water sewer. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. The Stockton City Council has passed a resolution awarding the contract for the construction of storm sewers from the intersection of Fifth street and McKinley avenue to the McDonald Canal to Whitlock & Gorrill, Monadnock Bldg., S. F., they submitting the low bid for the work.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contracts for street improvements have been awarded as follows: The improvement of Church street, from 18th street to 19th street, by the construction of granite curbs, artificial stone sidewalks, and a vitrified brick pavement on the roadway thereof. Awarded to Peter McHugh, 3908 Clay street, for \$7,053.08.

The improvement of 31st avenue, between Balboa street and Fulton street, by the construction of concrete curbs; a basalt header block pavement on a concrete foundation on both sides of each rail of the Municipal Railroad, said basalt header blocks to be furnished by the city; by the construction of six brick catch basins, with cast iron frames, gratings and traps, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; and by the construction of artificial stone sidewalks; a 14-foot central strip of vitrified brick pavement on a concrete foundation between Balboa and Cabrillo streets, and between Cabrillo street and a line 300 feet southerly therefrom, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and of a 2-inch asphaltic wearing surface on the remainder of the roadway thereof. Awarded to Owen McHugh, 501 Russ Bldg., for \$15,479.10.

BERKELEY, ALAMEDA CO., CAL.—Sewer construction. Cost not stated.

Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contractor, Michael Healy, 2370 McKinley avenue, Berkeley. Contract price not stated.

STOCKTON, SAN JOAQUIN CO., CAL.—Sewer construction. \$2,826. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors, Chambers & Henery, Bacon Bldg., Oakland. Contract price, \$2,826.

HILLSBOROUGH, SAN MATEO CO., CAL.—Storm sewer. \$3,940. Engineer, City Engineer, Hillsborough, Hillsborough Bldg., S. F. Owner, Town of Hillsborough. Contractors, Tieslan Bros., 110 Jessie street, S. F. Contract price, \$3,940.

VENTURA, VENTURA CO., CAL.—

Highway construction, \$39,349. Engineer, County Surveyor, Ventura. Owners, Ventura County. Contractors, Brashers-Burns Co., Van Nuys Bldg., L. A. Contract price, \$39,349.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Street improvement contracts have been awarded under the following resolutions: That Carnegie avenue, from Freepoint road to the easterly line of the Western Pacific Railroad Company's right of way, be improved by constructing concrete curb, concrete gutter, 6-inch, vitrified ironstone sewer pipe drains; 8-inch, vitrified, ironstone sewer pipe drains; two concrete manholes complete; placing two cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; filling in behind the curbs with earth; constructing concrete sidewalks, grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

That the alley between G and H streets be improved by reconstructing one concrete catch basin with sump complete, with cast iron curb and cover; placing 5 linear feet of 6-inch vitrified, ironstone sewer pipe; grading the alley and constructing thereon an asphaltic pavement consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to The McGillivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between G and H streets, from 13th to 11th streets, be improved by constructing one concrete catch basin with sump complete; placing 5 linear feet of 6-inch, vitrified, ironstone sewer pipe; grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

STORES AND OFFICES

RICHMOND, CONTRA COSTA CO., CAL.—Store, 1 story and base, reinforced concrete, \$1,500. Architect, James T. Nurbett, 704 Macdonald avenue, Richmond. Owner, W. A. Morehead. Location, Macdonald avenue between 7th and 8th street. Will contain two mod-

ern stores. Plans complete and work to be done by Day Labor.

Contracts Awarded.

SAN FRANCISCO—Lots, 1 and 7 story and base, reinforced concrete, \$79,738. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Langley-Michaels Co., Contractors, Lindgren Co., Monadnock Bldg., S. F. Contract price, \$59,738.

RICHMOND, CONTRA COSTA CO., CAL.—Stores, 1 story and base, brick, \$2,556. Architect, James T. Narbett, 704 Macdonald avenue Richmond. Owners, J. A. Parysek, Contractor, A. W. Josselyn, 411 9th street, Richmond. Contract price, \$2,556.

SEATTLE, WASH.—Market, 1 story and base, brick, \$10,000. Architect, H. Buchinger Seattle. Owners, Frye & Co., Contractor, Martin Schuchle, 9316 7th avenue, South Seattle. Contract price, \$10,000.

PORTLAND, ORE.—Stores and lofts, 2 story and base, mill construction, \$30,000. Architects, Houghtaling & Dougan, Henry Bldg., Portland. Owners, Rodney and Burnside Contractors, Trenchall & Parcelius, Builders' Exchange, Portland. Contract price, \$30,000.

THEATRES.

SAN FRANCISCO—Theatre, 2 story and base. Class A construction, \$350,000. Architect, Alfred Henry Jacobs, 110 Sutter street, S. F. Owners, Market Street Realty Co., leased to the California Theatre. Location, Fourth and Market streets. Bids are now being taken for the architectural terra cotta work. Concrete work to be figured next.

RICHMOND, CONTRA COSTA CO., CAL.—Theatre, 2 story and base, reinforced concrete. Cost not stated. Architect, A. W. Cornelius, Merchants' National Bank Bldg., S. F. Location, Macdonald avenue and Ninth street. Preliminary plans have been completed and working drawings are now being prepared. Further mention will be made of the work.

SEALED PROPOSALS

NOTICE TO LUMBER DEALERS.

Office of The State Purchasing Department, Harbor Commission Branch, Ferry Building, San Francisco, California, November 2, 1916.

SEALED PROPOSALS or bids will be received at this office at or prior to 10 o'clock A. M., on Saturday, November 18th, 1916, for the furnishing and delivering of such lumber as the Board of State Harbor Commissioners may order for use on the various structures on the Water Front of the City and County of San Francisco for twelve (12) consecutive months, commencing with the 7th day of December, 1916, according to the specifications prepared therefor by the Chief Engineer of the Board and adopted by the Board October 25th, 1916, and on file in this office, to which special reference is hereby made. The lumber will be graded in accordance with the rules of the Pacific Coast Manufacturers' Lumber Association, as printed in their Domestic Pacific Lumber Inspection Bureau Standard Schedule of Prices, Dimensions, Grading, Rules, etc., of Douglas Fir, etc. (commonly known as Puget Sound or Oregon Pine), adopted May, 1912, except, that no hemlock will be accepted.

No bid will be received unless it is made on a special blank form furnished from this office and is accompanied by a certified check for the amount of One Thousand (\$1000.00) Dollars, payable

to the order of the Secretary of the Board, conditioned that if the proposal is accepted, and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The bond required of successful bidder will be Ten Thousand (\$10,000.00) Dollars, and conditions for the faithful performance by the Contractor of all the terms and conditions of said contract according to the true intent and meaning thereof, and to the satisfaction of said Board, and said bond shall also be effective as provided in an act approved May 1, 1911, for the protection of material-men, mechanics and laborers.

Bids will not be considered by the State Purchasing Agent unless delivered to the Purchasing Agent at the office, Ferry Building, San Francisco, at or prior to 10 o'clock A. M., on Saturday, November 18th, 1916.

Bids will be publicly opened at 11 o'clock A. M., Saturday, November 18th, in the Board Room of the State Harbor Commission, Ferry Building, San Francisco, Cal.

The State Purchasing Agent reserves the right to reject any or all bids if deemed for the best interest of the State.

Bidders are invited to be present at the opening of the bids.

Bidders are requested to mark envelope, containing bid: "Bid For Lumber."

W. G. McMILLIN,
State Purchasing Agent.

CALL FOR BIDS ON FENCING.

SANTA BARBARA, CAL.—Bids will be received by the Board of Supervisors up to 10 A. M. of December 1, for fencing the state highway through the lands of Mrs. J. J. Stanwood in the Third Road District; also separate bids for fencing the Harris Station-Lompoc road, through the lands of Lawrence Harris, et al, in the Fifth Road District. Specifications are on file at the office of the clerk, and may be obtained from the county surveyor upon deposit of \$10 for each set. Certified check for 10% with each bid required. C. A. HUNT is the clerk.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1100—Proposals for Dredge Tumbler, Engine Truck Springs, Brake Shaft Brackets, Pump Rods, Pig Line, Electric Cable, Wire Conduit and Fittings, Electric Fittings, Marine Hardware and Equipment, Locks, Bolts, Hinges, Hasps, Screws, Cotter Pins, Grindstones, Tacks, Nuts, Taper Pins, Drawer Pulls, Bed Casters, Files, Dies, Tackle Blocks, Chain Blocks, Shelf Brackets, Buckets, Prooms Ice Tongs, Grindstones, Tool Handles, Ladders, Lanterns, Tripods, Globes, Soldering Pots, Tallow Pots, Oilers, Rules, Steel Tapes, Rat Traps, Welding Spectacles, Boring Machine, Milling Machine, Lath Range Cams, Pies, Potato Peeling Machine, Refrigerator, Mirrors, Chairs, Lavatories, Water Closets, Ranges, Tanks, Pantalters, Bunking, Tinning, Crocheting, Spruce and Pine Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. December 1, 1916, at which time they will be opened in public, for furnishing the above-mentioned articles. Bids and general information relating to this circular (No. 1100) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer in charge in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS, in triplicate, for alterations and additions to Mess Hall, will be received here until 11 A. M., December 5, 1916, and then opened. Further information on application. (*)

PROPOSALS FOR CRANE.

CRANE—Sealed proposals, indorsed "Proposals for Floating Crane" will be received at the bureau of yards and docks, Navy Department, Washington, D. C. until 11 o'clock a. m., November 11, 1916, and then there publicly opened, for a 250-ton floating revolving crane for the navy yard, Mare Island, Cal. Specifications can be obtained on application to the bureau or to the commandant of the navy yard named, F. R. HARRIS, chief of bureau.

The time of opening proposals for a 250-ton floating revolving crane for the navy yard, Mare Island, Cal., under specification No. 2259 is hereby extended from November 11, 1916, to December 11, 1916, at 11 o'clock a. m. F. R. HARRIS, chief of bureau of yards and docks.

PROPOSALS FOR CRANE.

CRANE—Sealed proposals, indorsed "Proposals for Locomotive Crane" will be received at the bureau of yards and docks, Navy Department, Washington, D. C. until 11 o'clock a. m., November 27, 1916, and then there publicly opened, for a locomotive jib crane of 50 gross tons capacity, at the naval station, Pearl Harbor, T. H. Plan and specification can be obtained on application to the bureau or to the commandant of the naval station named, F. R. HARRIS, chief of bureau.

The time of opening of proposals for locomotive jib crane of 50 gross tons capacity under specification No. 2261 at the naval station, Pearl Harbor, T. H., is hereby extended to 11 o'clock a. m., November 27, 1916. F. R. HARRIS, chief of bureau of yards and docks.

PROPOSALS FOR Q. M. SUPPLIES.

SAN FRANCISCO, Q. M. SCHEDULE 114—Office of the Depot Quartermaster, U. S. Army, Fort Mason, San Francisco, Cal.—Sealed proposals will be received until November 23, 1916, under schedule 114 for furnishing 200 pounds asbestos, 12 tube brushes, 36 barrel bolts, 20 dozen drill bits, 1,000 counterpanes, 288 manure forks, 840 gallons enamel paint, 183 pounds black, blue and brown, number 300 denoting pencils, 125 iron rivets, 1,300 silver spoons, 300 calendar stands, 100 pounds tacks and 3,500 towels. For further information, address JOHN T. KNIGHT, colonel, quartermaster corps, depot quartermaster.

PROPOSALS FOR NEEDLE VALVES.

The Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m., December 12, 1916, for furnishing needle valves for the north tunnel of the Roosevelt Dam, Salt River project, Arizona. For particular address, the United States Reclamation Service, Washington, D. C., or Denver, Colo. MORRIS BIEN, acting director.

SOCIAL INSURANCE COMMISSION.

Public hearings are to be held by the Social Insurance Commission of the State of California on November 20, 21, 22, 1916, at the Exposition Auditorium, Larkin and Grove streets, San Francisco, when the following subjects will be considered:

- Destitution due to illness.
- Medical Facilities available to Wage Workers.
- Present Insurance Facilities against Sickness.
- Compulsory Health Insurance as a Solution of the Problem created by Sickness of Wage Earners and their Families.
- Insurance Carriers.
- Organization of Medical Aid.
- Financial Problems.
- Your attendance is urged. Your participation in discussion is invited.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

STREET IMPROVEMENT—Cost as follows. San Francisco. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The Blanchard-Brown Co., 660 Market street, submitted the lowest bid to the Board of Public Works for the improvement of Phelan avenue between Ocean and Judson at \$19,263.50. There are five other bidders on the work.

RESIDENCES—2, 2 story and base, frame, \$14,000 each. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdoch Co., Location Forest Hill. Each house will contain twelve rooms, three baths and separate garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$20,000. San Francisco. Architect, W. A. Harman, 37 State street, S. F. Owner, L. B. Ham, 274 14th avenue, S. F. Location, southeast corner of 32 1/2 by 88 feet. Will contain nine apartments of three and four rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—City work. Cost not stated. Architect, City Department of Architecture, City Hall, S. F. Owners, City and County of San Francisco. Plans will be completed within the next few days by the Bureau of Architecture for a wooden and steel frame balcony to be erected in the Assessor's office, City Hall. The estimated cost, \$1,590. Bids will be called for the latter part of this week.

The Bureau also reports the preparation of specifications for cutting and dressing curbing and fence copping on granite which will be taken from the Hall of Records site and erected in the Civic Center Plaza. Bids will not be called for until the Hall of Records is completely razed.

Plans for fire escapes for the Irving L. Scott and Hawthorne Schools are complete and specifications have been adopted. Bids for this work will probably be advertised for this week.

APARTMENT HOUSE—2 story and base, Class C construction, \$25,000. San Francisco. Architect, W. G. Hind, 425 Kearny street, S. F. Owners, Mealey Collins. Location, southwest Powell and Washington streets. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—4 story and base, brick and steel, \$35,000. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, John Schroeder. Contractors: Brick work, Hogg & Ludwig; plumbing, E. V. Lacey; heating and ventilating, Atlas Heating and Ventilating Co.; sheet metal work, the Western Furnace and Corncie Co.; electric work, The American Electric and Engineering Co.; structural iron and fire escapes, L. Schaffer Co.; excavation and concrete work, Camp & Grillon; carpentry being done by owner.

RESIDENCE—2 story and base, frame and brick. Cost not stated. San

Francisco. Architect, G. Albert Lan. Archib, 709 Mission street, S. F. Owner, Fred B. Henderson. Location, Washington and Laurel streets. Will contain sixteen rooms, four baths and conservatory. Plans complete and figures being taken.

CHURCH—2 story and base, frame, \$10,000. Architect, Albert Farr, Foxcroft Bldg., S. F. Owners, Interdenominational Church. Will contain an auditorium, Sunday school rooms and social hall. Plans complete and work being figured.

GARAGE—1 story and base, reinforced concrete, \$25,000. San Francisco. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owner, Mr. Lee. Location, south Sutter street east Taylor. Designed for a commercial garage, and will contain main office besides storage space. Plans being prepared.

FLATS—2 story and base, frame, \$5,500. San Francisco. Architect, none. Owners, Hemming Bros., 1600 Fell St., S. F. Location, east 15th avenue south California. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

HOSPITAL DISINFECTOR—\$7,630. San Francisco. Architect, none. Owners, City and County of San Francisco. Herman Lawson presented the lowest bid and will be awarded the contract for furnishing a disinfector for the northeast wing of the San Francisco Hospital.

GARAGE—1 story and base, reinforced concrete, \$17,000. San Francisco. Architects, E. P. Antonovich and Harvey E. Harris, 20 Montgomery St., S. F. Owners name not given. Location, Van Ness avenue. Designed for a commercial garage and auto sales rooms. Plans revised and new figures being taken.

THEATRE—2 story and base. Class A construction, \$350,000. San Francisco. Architect, Alfred Henry Jacobs, 110 Sutter street, S. F. Owners, Market Street Realty Co., leased to the California Theatre. Location, Fourth and Market streets. Bids are now being taken for the architectural terra cotta work. Concrete work to be figured next.

Contracts Awarded

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. Contracts for street improvements have been awarded as follows: The improvement of Church street, from 18th street to 19th street, by the construction of granite curbs, artificial stone sidewalks and a vitrified brick pavement on the roadway thereof. Awarded to Peter McHugh, 3908 Clay street, for \$7,052.95.

The improvement of 34th avenue, between Balboa street and Fulton street, by the construction of concrete curbs, a basalt header block pavement on a concrete foundation on both sides of each rail of the Municipal Railroad, said basalt header blocks to be furnished by the city; by the construction

of six brick catch basins with cast iron frames, gratings, and traps, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; and by the construction of artificial stone sidewalks, a 14-foot central strip of vitrified brick pavement on a concrete foundation between Balboa and Cabrillo streets, and between Cabrillo street and a line 300 feet southerly therefrom, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadways thereof. Awarded to Owen McHugh, 301 Russ Bldg., for \$15,479.10.

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, San Francisco. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works. The improvement of Genesee street between Sunnyside avenue and Joost avenue, by the construction of concrete curbs, a seven-foot strip of vitrified brick pavement adjacent to the center line, and by the construction of an asphalt pavement on the remainder of the roadway. Awarded to The Federal Construction Co., 223 Sharon Bldg., for \$144.93.

The improvement of the crossing on 20th and De Huro streets by the construction of a 12-inch, vitrified, salt-glazed, ironstone pipe sewer, three brick catch basins with 10-inch, vitrified, salt-glazed, ironstone pipe culverts, concrete curbs, artificial stone sidewalks, and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphalt wearing surface. Awarded to Clarence B. Eaton, 407 11th street, for \$2,170.

The improvement of Clement street, between 15th and 16th avenues, by the construction of artificial stone sidewalks of the full official width where not already constructed at least twelve feet (12) wide. Awarded to A. O. Field, 1465 20th avenue, for \$55.83.

The Board of Public Works has awarded a contract to Karl Ehrhart, 660 Market street, for the construction of the Glen Park sewer on his bid of \$6,500.

LOFTS—1 and 7 story and base, reinforced concrete, \$89,738. San Francisco. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Langley-Michaels Co. Contractors, Lindgren Co., Monadnock Bldg., S. F. Contract price, \$89,738.

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
3279	Aydukovich	Aydukovich	2400
3280	Same	Same	400
3281	Same	Same	2400
3282	Same	Same	400
3283	Wells	Wells	400
3284	Van Ness Jr.	Van Ness	500
3285	Hyvarinen	Haun	450
3286	McCann	Gulffroy	400
3287	Rilly	Rilly	1500
3288	Stepienki	Stepienki	1000
3289	Ludlow	Ludlow	500
3290	Shell Oil	Shell Oil	1404
3291	Sutton	Sutton	1000

3292	Kallerup	Andersen	400
3293	Brandenstein	Burnham	2150
3294	Yates	Marsden	1000
3295	Yager	Yager	18000
3296	Tynan	Williams	30184
3297	McLaughlin	Decker	1805
3298	Same	Scott	1800
3299	Same	Tac Extg	3820
3300	Same	Otis	1520
3301	Nolan	Smith	1000
3302	Rusk	Scott	100
3303	Palmer	Palmer	15000
3304	Dickie	Otis Elev	2100
3305	Sylvia	Visser	3500
3306	Pacific Coast Glass	Cameron	4500
3307	Trowbridge	Moller	3500
3308	Hirsch	Same	2000
3309	Vrooman	Leigh	4374
3310	Otis	Knittle	1315
3312	Natl Carbon	Holland	8000
3313	Yager	Messner	3270
3314	Stoff	Fennell	3200
3315	Same	Hughes	2700
3316	Langley	Landgren	\$9738
3317	Otis	Herter	4700
3318	Kaufmann	Klimm	3123
3319	Colman	Griffin	400
3320	Davis	Phoenix	600
3321	Martens	Wittman	400
3322	Chovynski	McSheehy	450
3323	Rieand	Salinas	450
3324	Hoyt-Steind	Griffin	1500
3325	Keaton	Novelte Elec	400
3326	Lyricc	Novelte Elec	400
3327	Pincess	Novelte Elec	400
3328	Musto	Novelte Elec	400
3329	Girard	Emanuel	850
3330	Parrott	Brady	15000
3331	Fishers	Callaghan	2150
3332	So Relie	So Relie	400
3333	Alfred	Alfred	1950
3334	Lezin	Sutton	1500
3335	Stanley	Lindberg	1950
3336	Ham	Ham	20000
3337	Hemminga	Owner	5240
3338	Knudsen	Knudsen	1700
3339	Harbin	Olsen	900
3340	Somervell	Wallen	1002

FRAME RESIDENCE

(3279)	W TWENTY-FIRST AVE 200
	N Cabrillo. Two-story and basement frame residence.
Owner.....	Lazar Aydukovich Co., 1375 46th Ave., San Francisco.
Architect....	A. W. Permento, 21 Belcher San Francisco.
Day's work.	COST, \$2400

FRAME RESIDENCE

(3280)	W TWENTY-FIRST AVE 250
	N Cabrillo. Two-story and basement frame residence.
Owner.....	Lazar Aydukovich Co., 1375 46th Ave., San Francisco.
Architect....	A. W. Permento, 21 Belcher San Francisco.
Day's work.	COST, \$2400

FRAME RESIDENCE

(3281)	W TWENTY-FIRST AVE 235
	N Cabrillo. Two-story and basement frame residence.
Owner.....	Lazar Aydukovich Co., 1375 46th Ave., San Francisco.
Architect....	A. W. Permento, 21 Belcher San Francisco.
Day's work.	COST, \$2400

FRAME RESIDENCE

(3282)	W TWENTY-FIRST AVE 275
	N Cabrillo. Two-story and basement frame residence.
Owner.....	Lazar Aydukovich Co., 1375 46th Ave., San Francisco.
Architect....	A. W. Permento, 21 Belcher San Francisco.
Day's work.	COST, \$1600

FRAME RESIDENCE

(3283)	NO. 39 WOODWARD New foundation and repair dwelling.
Owner.....	John E. Wyhs, Premises.
Architect....	None.
Day's work.	COST, \$400

BRICK GARAGE

(3284)	N CLAY 110 E Gough. One-story brick garage.
Owner.....	T. C. Van Ness Jr., 425 Kearny, San Francisco.

Architect...	W. H. Crim Jr., 425 Kearny, San Francisco.
Day's work.	COST, \$500

FRAME GARAGE

(3285)	N TWENTY-SIXTH 58 W Noe. One-story frame garage.
Owner.....	J. W. Hyvarnen, NW Noe and 26th, San Francisco.
Architect....	None.
Contractor...	C. C. W. Haun, 180 Jessie, San Francisco.
	COST, \$450

MARQUISE

(3826)	NO. 404 POST. Erect marquise
Owner.....	Wm. D. McCann, Premises.
Architect....	S. Schnaittacher, 233 Post, San Francisco.
Contractor...	Gaillfof Cornice Works, 229 Eighth, San Francisco.
	COST, \$400

FRAME FLATS

(3287)	N CLARA 160 E Sixth. One-story and basement frame (2) flats.
Owner.....	John Reilly, 215 Shipley, San Francisco.
Architect....	None.
Day's work.	COST, \$1500

FRAME STORE

(3288)	NO. 320 RUSSIA. Two-story frame store and flat.
Owner.....	Stanley Stepinski, 332 Russia, San Francisco.
Architect....	Wm. Vaughan, 543 Moscow San Francisco.
Day's work.	COST, \$1000

REPAIRS

(3289)	W INDIANA 85 N 22nd. Repair fire damage.
Owner.....	Hewitt Ludlow Auto Co., 901 Indiana, San Francisco.
Architect....	None.
Day's work.	COST, \$500

(3290)	SE ARMY AND THIRD. One-story frame shop.
Owner.....	Shell Oil Co. of California, 343 Sansome, San Francisco.
Architect....	None.
Day's work.	COST, \$1124

FRAME DWELLING

(3291)	N DONNER 200 W Jennings. One-story and basement frame dwlg.
Owner.....	Sutton-Hamilton, 2448 3rd, San Francisco.
Architect....	Erwin J. R. Reichel, 2448 Third, San Francisco.
Day's work.	COST, \$1000

ALTERATIONS

(3292)	NO. 3010 SIXTEENTH. Brick wall, ratproof, etc.
Owner.....	S. S. Kollerup, Premises.
Architect....	None.
Contractor...	F. Andersen, 1911 15th, San Francisco.
	COST, \$100

PLUMBING, ETC.

(3293)	THIRD NEAR TOWNSEND. Plumbing, vacuum, gas and steam piping system for warehouse bldg.
Owner.....	M. J. Brandenstein & Co., 126 Mission, San Francisco.
Engineers...	Leland & Haley, 58 Sutter San Francisco.
Contractor...	The Burnham Plumbing Co., 1220 Webster, S. F.
	COST, \$160

	Filed Nov. 11, '16. Dated Oct. 5, '16.
	Monthly payments of..... 75%
	Usual 35 days..... 25%
	TOTAL COST, \$2199
	Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME SHOP

(3294)	E COLE 88-5 S Carl. Carpenter, glazing, plumbing, painting, gas and electric work, concrete, rat proofing, and tinning for one-story frame building (plumbing shop).
Owner.....	W. H. Yates, 943 Cole, S. F.
Plans by	Contractor.
Contractor...	J. W. Marsden, 1452 Haight San Francisco.
	Filed Nov. 11, '16. Dated Nov. 8, '16.

	On completion.....\$750
	Usual 35 days..... 250
	TOTAL COST, \$1000
	Bond, limit, forfeit, none. Plans and specifications filed.

BRICK APARTMENTS

(3295)	W LEAVENWORTH 60 N Post 25x110. All work for three-story brick building (12 2-rm apartments).
Owner.....	Grace & W. W. Yager, 1435 Pine, San Francisco.
Architect....	None.
Contractor...	W. W. Yager, 1435 Pine, San Francisco.

	Filed Nov. 11, '16. Dated Nov. 11, '16.
	Roof on.....\$3000
	Finish coat plaster on..... 5625
	Completed and accepted..... 5625
	Usual 35 days..... 3750
	TOTAL COST, \$18,000

	Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications, none.
--	---

FRAME DWELLING

(3296)	SE LYON AND VALLEJO E 50-04 S 137-6 W 55-04 N 137-74. All work except the roofs, excavating, grading, concrete, cement pavement, side walks, steps ornamental iron, painting, heating, elevator, finish hardware, light fixtures and window shades for two-story, attic and basement frame dwelling.
Owner.....	J. J. Tynan, 260 California, San Francisco.
Architect....	Louis M. Upton, 111 Ellis, San Francisco.
Contractor...	Williams Bros. & Henderson, Holbrook Bldg., S. F.
	Filed Nov. 11, '16. Dated Nov. 3, '16.

	As work progresses..... 75%
	Usual 35 days..... 25%
	TOTAL COST, \$30,484
	Bond, \$15,242. Surety, Massachusetts Bonding & Insurance Co. Limit, 120 days. Forfeit, \$20. Plans and specifications filed.

ELECTRIC WORK

(3297)	SW NINTH 212-6 SE Harrison SE 62-6xSW 185. Electrical work for two-story Class "C" factory building.
Owner.....	M. A. McLaughlin.
Architect....	W. H. Crim Jr., 425 Kearny, San Francisco.
Contractor...	Decker Elec. Constr. Co., 111 New Montgomery, S. F.
	Filed Nov. 11, '16. Dated Oct. 4, '16.

	All conduit in place.....\$600
	Completed and accepted..... 600
	Usual 35 days..... 405
	TOTAL COST, \$1605
	Bond, \$755. Surety, National Surety Co. Limit, 10 days after carpenter work done. Forfeit, \$10. Plans and specifications filed.

(3298) HEATING OIL BURNING equipment on above.

Contractor...	Scott Co., Inc., 243 Minna, San Francisco.
	Filed Nov. 11, '16. Dated Oct. 4, '16.
	Roughing in done.....\$750
	Completed and accepted..... 645
	Usual 35 days..... 465
	TOTAL COST, \$1860

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not **FOUR WHEEL DRIVE.**

On the F-W-D Truck every wheel is a **Driving Wheel.** The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps **ON** the road and **OUT** of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;

Salt Lake City

Bond, \$930. Surety, New Amsterdam Casualty Co. Limit, 5 days after painting done. Forfeit, \$20. Plans and specifications filed.

(3299) AUTOMATIC SPRINKLER equipment and hose reel system on above.

Contractor...Pacific Fire Extinguisher, 507 Montgomery, S. F.
Filed Nov. 11, '16. Dated Oct. 7, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$3820

Bond, \$1910. Sureties, Winfield S. and Burt L. Davis. Limit, 10 days after ready for same. Forfeit, \$10. Plans and specifications filed.

(3300) ONE ELECTRIC FREIGHT elevator and 1 dumb waiter on above.

Contractor...Otis Elevator Co., Beach & Stockton, San Francisco.
Filed Nov. 11, '16. Dated Sept. 1, '16.
On shipment of elevator..... 1/2
Engine in position..... 1/4
When completed..... 1/4
TOTAL COST, \$1510

Bond, \$155. Surety, National Surety Co. Limit, forfeit, none. Plans and specifications filed.

REPAIRS

(3301) NO. 412 OAK. General repairs and alterations to flats.
Owner.....Mrs. Nolan.
Architect.....None.
Contractor...W. H. Smith, 428 Collingwood, San Francisco.
COST, \$1000

ALTERATIONS

(3302) NO. 7434 GEARY. Alter and add to dwelling.
Owner.....J. J. Rusk, Premises.
Architect...L. D. Gowan, 136 Girard, San Francisco.
Contractor...Leigh & Schultz, 419 21st Ave., San Francisco.
COST, \$1000

CLASS "C" EXCHANGE

(3303) S GOLDEN GATE AVE 137-6 W Leavenworth. One-story and basement Class "C" film exchange.
Owner.....P. A. Palmer, 774 Monadnock Bldg., S. F.
Architect...E. M. Frasier, 1973 Geary, San Francisco.
Day's work..... COST, \$15,000

ELEVATOR, ETC.

(3304) NO. 1316 PINE. Install Otis passenger elevator in apartments and other minor changes.
Owner.....George W. Dickie, 24 California, San Francisco.
Architect.....None.
Contractor...Otis Elevator Co., Beach & Stockton, San Francisco.
COST, \$2400

FRAME FLATS

(3305) N SACRAMENTO 60 W Cherry. Two-story and basement frame (2) flats.
Owner.....Margaret Sylvia, 480 38th Ave., San Francisco.
Architect.....None.
Contractor...Gordon Wiser, 5601 Edgerly, Oakland.
COST, \$3500

STEEL FACTORY

(3306) SE SEVENTH AND IRWIN. One-story steel factory.

Owner.....Pacific Coast Glass Works, Premises.

Architect...Pacific Rolling Mill Co., 17th and Mississippi, S. F.

Day's work..... COST, \$1000

ADDITION

(3307) NO. 125 COMMONWEALTH AVE. Addition to dwelling.
Owner.....Georgia S. Trowbridge, 653 Sutter, San Francisco.
Architect...Albert Farr, 63 Post, S. F.
Contractor...Cameron & Diston, 831 Hearst Bldg., S. F.
COST, \$3500

BRICK MARKET

(3308) W MISSION 75 S 19th. One-story brick market.
Owner.....L. Hirsch.
Architect.....None.
Contractor...R. W. Moller, 736 Call Bldg., San Francisco.
COST, \$3500

ADDITION

(3309) S FOLSOM 75 W Third. Frame addition for store building.
Owner.....L. Hirsch.
Architect.....None.
Contractor...R. W. Moller, 736 Call Bldg., San Francisco.
COST, \$2000

RESIDENCE

(3310) E GOUGH 127-814 N Sacramento N 21st E 82-6. All work except heating plant for seven-room residence.
Owner.....Beatrice Vrooman.
Architect.....None.
Contractor...Leigh & Schultz, 419 21st Ave., San Francisco.
Filed Nov. 13, '16. Dated Nov. 11, '16.
Frame up and roof on.....\$1093.50
Brown coated..... 1093.50
Completed and accepted..... 1093.50
Usual 35 days..... 1093.50
TOTAL COST, \$4374.00

Bond, \$2187. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, \$9. Plans and specifications filed.

STEAM RADIATION, ETC.

(3311) SE MARKET 75 SW Eighth. All work for steam distribution and radiation in construction of a sun porch on roof of building known as Hotel Whitecomb.

Owner.....James Otis Trustee, 310 California, San Francisco.
Architect...Wright & Rushforth, 254 Pine, San Francisco.
Contractor...Knittle-Cashe Co., Inc., 1803 Ellis, San Francisco.
Filed Nov. 14, '16. Dated Nov. 11, '16.
Roughing in done.....\$500
Completed and accepted..... 485
36 days after..... 330
TOTAL COST, \$1315

Bond, \$700. Surety, National Surety Co. Limit, 5 days after inside painting of sun porch done. Forfeit, \$10. Plans and specifications filed.

EXCAVATING, ETC.

(3312) NE EIGHTH AND BRANNAN. Excavating, relling, bulk heading, shoring and pumping for building.
Owner...National Carbon Co. by Clinton Constr. Co. 140 Townsend, San Francisco.
Architect.....None.
Sub-Contractor...J. P. Holland, 550 3rd, San Francisco.
Filed Nov. 14, '16. Dated Nov. 10, '16.

On or before 10th of each month 75%
Usual 35 days..... 25%

TOTAL COST, \$8000

Bond, \$4000. Surety, Massachusetts Bonding & Insurance Co. Limit, as required. Forfeit, none. Plans and specifications, none.

BRICK WORK

(3313) W LEAVENWORTH 60 N Post. Brick work for building.
Owner.....See Note.
Architect...Edw. E. Young, 251 Kearny, San Francisco.
Contractor...W. W. Yager, 1485 Pine, San Francisco.
Sub-Contractor...Paul Messuer.
Filed Nov. 14, '16. Dated Nov. 4, '16.
As work progresses..... 75%
30 days after..... 25%
TOTAL COST, \$3270
Bond, limit, forfeit, plans and specifications, none.
NOTE:—Owner, Grace & W. W. Yager, 1485 Pine, San Francisco.

CLASS "C" APARTMENTS

(3314) N BUSH 45-10 E Taylor E 45-10 x N 100. Brick work and setting of terra cotta for four-story and basement Class "C" apartments.
Owner.....Louis D. Stoff, 321 Bush, San Francisco.
Architect...Albert Schroepfer, Nevada Bank Bldg., S. F.
Contractor...Jas. S. Fennell, 330 Frederick, San Francisco.

Filed Nov. 15, '16. Dated Mar. 11, '16.
2nd floor joists on.....\$1300
Completed and accepted..... 2600
Usual 35 days..... 1300
TOTAL COST, \$5200

Bond, \$2600. Sureties, D. J. Sullivan and H. C. Mathies. Limit, 50 days. Forfeit, none. Plans and specifications filed.

(3315) PLUMBING AND GAS FITTING on above.

Contractor...C. W. Higgins, 1306 Shrader San Francisco.
Filed Nov. 15, '16. Dated Nov. 9, '16.
Roughed in.....\$1000
Completed and accepted..... 1025
Usual 35 days..... 675
TOTAL COST, \$2700

Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

EXCAVATING, ETC.

(3316) SW FIRST 40 SE Stevenson SE 10 SW 167-6 NW 80 NE 87-6 SE 40 NE 80. Excavating, grading, pumping, concrete, reinforcing steel, granite curbs, steps, side walk doors and lights, street paving, fire escapes, Fenestra windows and doors, sky lights, roofing, carpenter, hardware, terra cotta, etc., for seven-story and basement reinforced concrete building and one-story extension on Stevenson.
Owner.....Langley & Michaels Co., 1st and Stevenson, S. F.

Architect...Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor...Lindgren Co., Monadnock Bldg., San Francisco.
Filed Nov. 15, '16. Dated Nov. 13, '16.
On 1st of each month..... 75%
Usual 35 days, 25%.....\$22,434.50
TOTAL COST, \$89,738.00

Bond, \$44,869. Surety, Hartford Accident & Indemnity Co. Limit, 150 days. Forfeit, \$30. Plans and specifications filed.

DECORATIVE WORK

(3317) SE MARKET 75 SW Eighth SW
200 SE 275 NE 155 NW 105 NE 45
NW 170. Decorative work for Hotel
Whitcomb.

Owner.....James Otis, Trustee, 310
California, San Francisco.
Architect...Wright & Rushforth, 354
Pine, San Francisco.

Contractor...Herter Looms, Inc., Head
Bldg., San Francisco.

Filed Nov. 15, '16. Dated Nov. 16, '16.
Pay roll to be submitted every
Friday to Architects and paid
when correct 25%
Balance except 25% during progress
of work 25%
30 days after TOTAL COST, \$4700

Bond, none. Limit, Jan. 20, 1917. Forfeited, \$10. Plans and specifications filed.

FRAME FLATS

(3318) E FIFTH AVE 453 N Lake.
Rough and finish plumbing and all
rough work for installation of Rec-
tor heating system for two-story
and basement frame flats.

Owner.....Adolph Kaufmann by Nat-
than Delbanco, 2437 Scott,
San Francisco.

Architect...Henry Shermund, Mills
Bldg., San Francisco.

Contractor...Frank J. Klimm, 221 Oak,
San Francisco.

Filed Nov. 16, '16. Dated Nov. 8, '16.
Roughing in done \$1342
Completed and accepted 1000
Usual 35 days 781
TOTAL COST, \$3123

Bond, none. Limit, 80 days. Forfeited,
\$10. Plans and specifications filed.

SHOW WINDOWS

(3319) NO. 27 MONTGOMERY. New
show windows.

Owner.....Colman Co., 750 Market,
San Francisco.

Architect...None.

Contractor...Dreyfus Bros., 324 Cali-
fornia, San Francisco.

COST, \$100

SIDEWALK LIGHTS

(3320) SW FOLSOM AND SECOND.
Install sidewalk lights.

Owner.....J. Z. Davis Estate Co., 320
Market, San Francisco.

Architect...None.

Contractor...Phoenix Sidewalk Light Co
472 Monadnock Bldg., S. F.

COST, \$600

STEAM HEATING

(3321) SW McALLISTER AND SCOTT.
Install steam heating system.

Owner.....Minnie Martens, 1509 Mc-
Allister, San Francisco.

Architect...None.

Contractor...Wittman Lyman Co., 31
Minna, San Francisco.

COST, \$400

CONCRETE WORK, ETC.

(3322) W SIXTH 250 S Bryant. Con-
crete work, ratproofing, etc.

Owner.....M. Choyanski, Merchants'
Exchange Bldg., S. F.

Architect...None.

Contractor...McSheehy Bros., 73 Lang-
ton, San Francisco.

COST, \$150

ALTERATIONS

(3323) NO. 25 PROSPER. Raise dwell-
ing for garage.

Owner.....A. Ricand, Premises.

Architect...None.

Contractor...J. Salanave, 921 Pacific,
San Francisco.

COST, \$150

FRAME DWELLING

(3324) N SILVER 250 W Bowdoin.
One-story and basement frame dwlg.

Owner.....Homestead Realty Co., 704
Mutual Bank Bldg., S. F.

Architect...None.

Contractor...Wm. H. Grahm, 2340 Bry-
ant, San Francisco.

COST, \$1500

ELECTRIC SIGN

(3325) NO. 636 VAN NESS AVE.
Electric sign.

Owner.....Keaton Tire & Rubber Co.,
616 Van Ness Ave., S. F.

Architect...None.

Contractor...Novelty Elec. Sign Co., 165
Eddy, San Francisco.

COST, \$100

ELECTRIC SIGN

(3326) NO. 1216 FILLMORE. Electric
sign.

Owner.....Lyric Theatre, 1226 Fill-
more, San Francisco.

Architect...None.

Contractor...Novelty Elec. Sign Co., 165
Eddy, San Francisco.

COST, \$100

ELECTRIC SIGN

(3327) S ELLIS, bet. Fillmore and
Steiner. Electric sign.

Owner.....Princess Theatre, Prem.

Architect...None.

Contractor...Novelty Elec. Sign Co., 165
Eddy, San Francisco.

COST, \$100

REPAIRS

(3328) N GRANT AVE 80 S Post. Re-
pair 4th floor for loft.

Owner.....Jos. Musto Estate.

Architect...None.

Contractor...L. & E. Emanuel, 144 12th,
San Francisco.

COST, \$950

REPAIRS

(3329) NO. 316 MASON. Repairs and
changes in store.

Owner.....Stanley Girard, Hotel
Munster, San Francisco.

Architect...Cunningham & Politeo, 1st
National Bank Bldg., S. F.

Contractor...L. & E. Emanuel, 144 12th,
San Francisco.

COST, \$550

ALTERATIONS

(3330) SW SACRAMENTO & DAVIS.
General alterations on interior of
stores and warehouse.

Owner.....Parrott Investment Co., 502
California, San Francisco.

Architect...None.

Contractor...M. V. Brady, 372 Monad-
nock Bldg., San Francisco.

COST, \$15,000

ALTERATIONS

(3331) NO. 375 TWENTY-SEVENTH.
Raise cottage and add one-story
frame so as to make 2 flats.

Owner.....A. C. Fishers, Premises.

Architect...None.

Contractor...Callaghan Bros., 900 Clay-
ton, San Francisco.

COST, \$2150

FRAME DWELLING

(3332) N ALBISON 100 E Mission
Trar). One-story frame dwelling.

Owner.....L. E. So Relle, 64 Shotwell
San Francisco.

Architect...None.

Day's work. COST, \$400

FRAME DWELLING

(3333) W WANDA 150 E Onondago.
One and one-half-story and basement
frame dwelling.

Owner.....C. S. Alfred, 150 Onondago
San Francisco.

Architect...None.

Day's work. COST, \$1950

FRAME DWELLING

(3334) SW REVERE 75 NW Lane.
Two-story and basement frame dwlg.

Owner.....Jean Saint Lezin, 2448 3rd
San Francisco.

Architect...Erwin Reichel, 2448 3rd,
San Francisco.

Contractor...Sutton-Hamilton, 2448 3rd,
San Francisco.

COST, \$1500

FRAME RESIDENCE

(3335) N MORELAND 100 W Farnum.
One-story and basement frame resi-
dence.

Owner.....J. D. Stanley, 108 Maynard,
San Francisco.

Architect...O. E. Evans & Co., Inc.,
2569 Mission, S. F.

Contractor...G. Lindberg, 237 Surrey,
San Francisco.

COST, \$1950

FRAME APARTMENTS

(3336) SE LAKE AND TWENTIETH
Ave. Three-story and basement frame
(9) flats.

Owner.....L. B. Ham, 274 25th Ave.,
San Francisco.

Architect...None.

Day's work. COST, \$20,000

FRAME FLATS

(3337) E FIFTEENTH AVE 150 S
California. Two-story and basement
frame (2) flats.

Owner.....Hemminga Bros., Inc., 1600
Fell, San Francisco.

Architect...None.

Day's work. COST, \$5240

FRAME DWELLING

(3338) S REGENT 250 E San Jose.
One-story and basement frame dwlg.

Owner.....J. Knudsen, 1473 Florida,
San Francisco.

Architect...None.

Day's work. COST, \$1200

ALTERATIONS

(3339) LOT 15 BLK 9, Lakeview. All
work for alterations to residence.

Owner.....Jennie L. Harbin, 246
Gunnada, San Francisco.

Architect...None.

Contractor...Olaf Olsen, 262 Beverly,
San Francisco.

Filed Nov. 17, '16. Dated Nov. 16, '16.

Foundations & cement floor com-
pleted \$249

Plastering completed 250

Completed 250

Usual 35 days 250

TOTAL COST, \$999

Bond, none. Limit, 60 days. Forfeited,
none. Specifications only filed.

ALTERATIONS

(3340) NOS. 1459-71-73-75 FIFTEENTH
All work for alterations to two-story
frame flats.

Owner, ... Gabriel L. Somervell.
 Architect ... O'Brien Bros., 240 Montgomery, San Francisco.
 Contractor, A. M. Wallen, 251 Kearny, San Francisco.
 Filed Nov. 17, '16. Dated Nov. 14, '16.
 Floor raised and stud partitions in place \$ 764.25
 Plumbing and electric work roughed in and building ready for lathing 764.25
 Brown coated and floored 764.25
 Completed and accepted 764.25
 Usual 35 days 1015.50
 TOTAL COST, \$4062.50
 Bond, \$2031.25. Sureties, P. J. Kearney and H. J. Schober, Limit, 75 days. Forfeit, none. Plans and specifications filed.

NOTICE OF NON-LIABILITY.

SAN FRANCISCO COUNTY.

Nov. 17, 1916—S EDDY 206-3 E Gough E 68-9XS 137-6. E L Goldstein Co as to improvements on leased property
 Nov. 11, 1916—E COLE 88-3 S Carl S 25xE 50. Margaret J. Morfaw as to improvements on leased property

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Nov. 14, 1916—S PINE 106-5 W Montgomery W 22-11XS 137-6. Freeborn Estate Co as to improvements on leased property
 Nov. 13, 1916—W COMMONWEALTH Ave 536 N Euclid Ave N 30xW 95. Ellen A. Connolly as to improvements on leased property
 Nov. 11, 1916—E FIFTEENTH AVE 150 S California S 25xE 127-6. S F Land Co as to improvements on leased property

LEASES.

SAN FRANCISCO COUNTY.

Nov. 14, 1916—S MARKET, bet. 5th and 6th; No. 953 Market. Ansel M. Easton to The Pictorial Review Co. 10 years \$21,000
 Nov. 14, 1916—N SIXTEENTH 50 W Mission 32x160. B Bierbaum to H S Kallerup. 10 years. \$10,200.
 Nov. 16, 1916—NO. 534 WASHINGTON The Hibernia Savings & Loan Society to J. Coppa. 2 years. \$1080 with option to renew.
 Nov. 16, 1916—NO. 540 WASHINGTON. Hibernia Savings & Loan Society to F. Giorgetti. 21 months. \$650.
 Nov. 16, 1916—NO. 536 WASHINGTON Hibernia Savings & Loan Society to J. Coppa. 21 months. \$420 with option to renew.
 Nov. 15, 1916—NOS 1, 3, AND 5 COLUMBUS Ave. Elsie A. Drexler to Zappettini-Perasso Co. 5 years. \$1500
 Nov. 13, 1916—NO. 1407 STEVENSON. L. Oesting to S. Thilen Denson. 12 months. \$300.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED
 Nov. 10, 1916—SW FOLSOM AND 26th W 170 S 150-9 1/2 m or 1 S 86 deg 35 min E 175 m or 1 N 173. John H. Sammi, Sec. of Board of Trustees

of Cogswell Polytechnical College to Lange & Bergstrom... Nov. 3, 1916
 Nov. 10, 1916—E BRYANT 57-3 1/2 N Army N 30xE 75. Amalia Kestler to J. Witzelberger... Nov. 10, 1916
 Nov. 10, 1916—LOTS 12 TO 15, Ashbury Terrace Sub No. 2. Co-Operative Home Bldrs Co, Inc to whom it may concern... Nov. 8, 1916
 Nov. 10, 1916—N SACRAMENTO 177-6 W Van Ness Ave. Theodora Newman or Theodora E. Newman to Hemming Bros, Inc... Nov. 10, 1916
 Nov. 10, 1916—W TWENTIETH AVE 350 S Geary S 25xW 120. Alfired Nov. 9, 1916—SW BUSH AND MASON W 62-6XS 87-6. M. A. Little to M. A. Little... Nov. 9, 1916
 Nov. 13, 1916—E TWENTIETH AVE 200 S Geary. Francis Mitchell to Grover George... Nov. 13, 1916
 Nov. 13, 1916—LOT 17 SUB LOTS 3, 4, 9, 10 Blk 3 Belle Roche City for the Crescent Mill & Lumber Co. G. Palma to Ghiotto Bros... Nov. 11, 1916
 Nov. 14, 1916—SW ELLIS AND HYDE W 57-6XS 82-6. D & S Investment Co to Wedel Elec Co... Nov. 10; J. Looney... Nov. 14, 1916
 Nov. 14, 1916—N CALIFORNIA 137-6 from SE Jones and McAllister E 137-6XS 137-6. Towne Realty Co to Gas & Electric Appliance Co... Nov. 10, 1916
 Nov. 15, 1916—NOS. 735 TO 745 Mission. Shiels Estate Co to Ira W. Coburn... Nov. 4, 1916
 Nov. 15, 1916—W FORTY-THIRD AVE 100 S Cabrillo. John J. Binet & Co to whom it may concern... Nov. 10, 1916
 Nov. 15, 1916—W TWENTY-FIRST Ave 250 S California 25x120. Martin F. Nolan to whom it may concern... Nov. 8, 1916
 Nov. 15, 1916—E RITCH 75 N Harrison N 25XE 50. Fong Mow and Fong Suey to W E Greene... Nov. 14, '16
 Nov. 14, 1916—SW ELLIS AND HYDE W 57-6XS 82-6. D & S Investment Co to whom it may concern... Nov. 14, 1916
 Nov. 15, 1916—NO. 665 THIRD near Townsend. M. J. Brandenstein & Co to Wm Bateman... Nov. 16, 1916
 Nov. 16, 1916—NE RUSSELL AND Eastman 20x55. Louis Pastorino to whom it may concern... Nov. 15, '16
 Nov. 16, 1916—W BATTERY 45-10 N Pine N 140-2 W 137-6 E 137-6. Kenneth MacDonald Jr to C E Lamburth... Nov. 16, 1916
 Nov. 16, 1916—SE TWENTIETH Ave and California 25x95—California 95 E 20th Ave S 100 E 25 N 100. Edward E. Ginley to whom it may concern... Nov. 16, 1916
 Nov. 16, 1916—SE CUMBERLAND & Dolores S 9 E 105 S 25 E 25 N 114 W 130. Second Church of Christ Scientist, Inc. to Central Iron Wks... Nov. 10, 1916
 Nov. 17, 1916—S VALLEJO 112-6 W Octavia W 28 S 137-6 E 3 N 37-6 E 25 N 100. Minnie Morgenthal (as Gdn Estate Anton James Morgenthal, minor) to O E Nelson... Nov. 12, 1916
 Nov. 17, 1916—NE NEWCOMB AVE 100 NW Rankin NW 50xNE 100; Lots 29 and 30 Blk 262 O'Neil & Haley Tract. Clemente Torres to William Miller... Nov. 15, 1916
 Nov. 17, 1916—LOT 37 Blk 25 Crocker Amazon Tract. United States Bldg Realty & Invest Co to whom it may concern... Nov. 13, 1916
 Nov. 17, 1916—SW CALIFORNIA & 23rd Ave W 32-6XS 75. E A Sinclair to Ruegg Bros... Nov. 11, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED AMOUNT
 Nov. 10, 1916—S GEARY 68-9 W Octavia W 68-9XS 120. E A Howard & Co vs Jacob Steur... \$550
 Nov. 10, 1916—E COLLINS 321-8 N Geary N 25xE 120. A P Konkel, \$168.50; Harry Costen and Wm D Schultz, \$130 vs Jeanette and Wm F Yates...
 Nov. 10, 1916—E COLLINS 321-8 N Geary N 25xE 120. Richmond Elec Co, \$75; William F. Senner, \$150 vs Jeanette Yates and Wm F Yates...
 Nov. 10, 1916—E COLLINS 321-8 N Geary N 25xE 120. Joost Bros, \$140.23; Jacob Jacobsen, \$50 vs Jeanette and Wm F Yates...
 Nov. 11, 1916—E OAKWOOD 213 S 18th S 25 E 90-3 m or 1 N 11 deg 10 min E 25 m or 1 W 87-3. Leonard Lumber Co vs C and Mary Marchl... \$285.13
 Nov. 13, 1916—E COLLINS 321-8 N Geary N 25xE 120. Schwarz & Gottlieb, \$129.75; Ickelheimer Bros, Co, \$45 vs Jeanette & Wm F Yates
 Nov. 14, 1916—E COLLINS 321-8 N Geary N 25x120. Christenson Lumber Co vs William F. and Jeanette Yates... \$96.60
 Nov. 13, 1916—NW CLARA 254-6 SW Fifth SW 25xNW 50. Asher Elec Co vs E F Helms, Wm A and Gertrude M Brosnan... \$45
 Nov. 14, 1916—W THIRTY-FIRST Ave 125 N Judah N 25xW 120. F S Buckman vs Agnes Mulaney... \$220
 Nov. 15, 1916—NW CLARA 254-6 SW Fifth SW 25xNW 50. R S Holding vs E Helms and W Brosnan and Gertrude Brosnan... \$27
 Nov. 15, 1916—NE ALLSTON WAY 99.9S SE Claremont Blvd SE 30xNE 100 Lot 16 Blk 2977 Merritt Terrace, W A Clausner (as Royal Heating Co) vs C F Fallmer and F J Hyland... \$88.49
 Nov. 15, 1916—NW CLARA 254-6 SW Fifth SW 25xNW 50. A Sundberg vs Wm A and Gertrude M Brosnan and E F Helms... \$52
 Nov. 15, 1916—E OAKWOOD 213 S 18th S 25 E 90-3 m or 1 N 11 deg 10 min E 25 m or 1 W 87-3. Frank Portman vs C and Mary Marchl... \$30
 Nov. 16, 1916—NW CLARA 254-6 SW Fifth SW 25xNW 50. Mission Lumber Co, \$14.30; P. Peterson, \$75 vs Wm A and Gertrude M Brosnan...
 Nov. 16, 1916—S GEARY 68-9 W Octavia W 68-9XS 120. White Bros vs J Steur and Progressive Inv Co... \$35.66
 Nov. 17, 1916—N SACRAMENTO 146-8 W Taylor N 120xW 27-6. Vehyle & Collins vs Jos Baciocco... \$205.89
 Nov. 17, 1916—N SACRAMENTO 119-2 W Taylor N 120xW 27-6. Vehyle & Collins vs Henry Callied Jr... \$74
 Nov. 17, 1916—W SAN JOSE AVE 23.53 N Havelock 25x100 m or 1 N Havelock 350 m or 1 W San Jose Ave 25x100 m or 1 N Havelock 375 m or 1 W San Jose Ave 25x100 m or 1 N Havelock 400 m or 1 W San Jose Ave 25x100 m or 1 R. Raffaele Spinozzi, Carlo Spinozzi and Vincenzo Imbresel vs A G & B Ghiotto (as Ghiotto Bros) et al... \$353.50
 Nov. 17, 1916—NW CLARA 254-6 SW Fifth 25xNW 50. Royal Lumber Co vs E F Helms and W and Gertrude Brosnan... \$18

Nov. 17, 1916—S GEARY 68-9 N Octavia W 68-9xS 120. Marshall & Stearns Co vs Jacob Steur....\$1617
Nov. 17, 1916—S GEARY 68-9 N Octavia W 68-9xS 120. W P Fuller & Co vs Progressive Investment Co J Steur and Jno J Solomin...\$1700.22

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. The Oakland City Council has awarded a contract to M. P. Camberg, 1044 91st avenue, Oakland, for the following work: That a sewer, having an internal diameter of 8 inches be constructed on 76th avenue, near East 14th street; also that a brick manhole with cast iron top and a lamphole with top of brick and cast iron and Y branches, having 5-inch openings, be constructed. Said sewer, Y branches and lampholes (excepting the tops thereof) shall be constructed of vitrified, sewer pipe. A contract was also awarded the Hutchinson Co., 15th and Franklin streets, Oakland, for the following work: For the grading, curbing with redwood, guttering with concrete gutters two feet wide, and paving with oil macadam 34th avenue from the south line of East 8th street to the northeast line of Elmwood avenue.

RESIDENCE—1 story and base, frame, \$7,500. Berkeley, Alameda Co., Cal. Architect, August G. Hendman, Call-Post Bldg., S. E. Owner, Mrs. Blanch Whiteside. Location, Claremont Court. Will contain ten rooms, two baths and sleeping porch. Separate garage. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, K. McDonald 1933 Grant avenue, Oakland. Location, north Lockwood west 73rd avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, George S. Risher, 1814 Hearst avenue, Berkeley. Location, 1800 Grant street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$1,600 each. Oakland, Cal. Architect, none. Owner, S. G. Willson, 238 East 16th street, Oakland. Location, north Neve east 38th avenue. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, north Arkansas east Curran avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Berkeley, Alameda Co., Cal. Architect, none. Owner, W. I. Walker, 540 25th street, Oakland. Location, southwest Mabel and Derby. Each dwelling will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. A. Janssen, Hearst Bldg., S. E. Location, 1613 Beverly place. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—S, 1 story and base, frame, \$2,000 each. Berkeley, Alameda Co., Cal. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, Sacramento, Virginia and Bonar streets. Each dwelling will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owners, United Home Builders, 1527 Broadway, Oakland. Location, 1626 Beverly Place. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Alameda, Alameda Co., Cal. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, 9th street and Buena Vista avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 1 story and base, frame, \$1,800. Oakland, Cal. Architect, none. Owner, C. M. MacGregor, 470 13th street, Oakland. Location, east Fleet street north Hampel. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, R. Oates, 1580 Vista street, Oakland. Location, north Hampel east Elston. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, C. J. Prang, 5487 Claremont avenue, Oakland. Location, east James avenue south Clifton. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on November 29th for street improvements authorized under the following resolutions: That a vitrified pipe sewer, having an internal diameter of 8 inches, be constructed along Maybelle avenue, between points distant thereon respectively 52.5 feet and 52.5 feet north-east from the northeast line of Bayo street; also that a vitrified pipe lamphole with a top of brick and cast iron be constructed at the northeast end of said sewer; also that Y branches, each having a 5-inch opening, be constructed on said sewer so as to provide one such branch for each 40-foot lot and fractional lot remaining into which the abutting property frontage is capable of being divided.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, B. F. Butler, 333A 49th street, Oakland. Location, east Grant avenue north Berkeley Way. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, I. C. and M. Newsom, 1748 Broadway, Oakland. Owner, Adolph Werm. Location, Harper Court. Will contain five rooms, bath and sleeping porch. Plans being prepared and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, Carl Erickson 1200 Masonic avenue, Berkeley. Location, 1203 Evelyn street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, A. Hunsco, 4156 Fleming avenue, Oakland. Location, north Fleming avenue east Courtland. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Albany, Alameda Co., Cal. Architect, none. Owner, I. A. Granger 1215 Monterey avenue, Berkeley. Location, south Sonoma west Peralta. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architects, J. C. and M. Newsom, 1748 Broadway, Oakland. Owner, W. B. White. Location, east 19th street and 19th avenue. Will contain six rooms, bath and sleeping porch. Plans being prepared and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$1,000 each. Oakland, Cal. Architect, none. Owner, A. M. Sylvia, 480 38th avenue Oakland. Location, west Santa Clara north Crescent. Each house will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

MACHINE SHOP—1 story, brick, \$6,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, H. W. Leach. Location, gore corner of Broadway and Piedmont. Will contain work shop and office. Plans complete and figures being taken.

LAUNDRY—2 story and base, \$8,000. Oakland, Cal. Architect, James W. Plachek Acheson Bldg., Berkeley. Owner, Crystal Laundry. Location, Chestnut near 22nd street. Will contain main office and work space. Plans are being figured.

HOTEL—3 story and base, frame, \$10,000. Oakland, Cal. Architect, Chester H. Miller, Savings Bank Bldg., Oakland. Owner, Harry C. Knight. Location, Havenscourt. Will contain two stores on the ground floor and 22 rooms above. Plans are being prepared.

SCHOOL ADDITION—2 story, frame, \$11,919. Oakland, Cal. Architect, J. J. Donovan, Berry Bldg., Oakland. Owners, City of Oakland, G. S. Armstrong submitted the lowest figure for this addition and will probably be awarded the contract. A complete list of the bids appears under the heading of Bids opened in this issue.

SCHOOL SUPPLIES—Cost not stated. Oakland, Cal. Architect, none. Owners, City of Oakland. Bids will be opened on November 27th for furnishing tools, seats and doing certain repair work.

STORM WATER SEWER—Cost as follows. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of

Oakland The following bids were opened by the Oakland City Council for the construction of a storm water conduit in, through and along the rights of way and public avenues in the city of San Leandro, described in resolution No. 13725, N. S. A. Kop-perud, 2030 High street, Oakland, presented the lowest bid at \$12,063. Other bidders were: McCrae & Layaz, \$12-122; Piedmont Construction Co., \$12-562.66; Ostrander & McNair, \$12,139; Contra Costa Construction Co., \$14-144.77, D. Toffelmier, \$14,345; A. W. Gorrell, \$14,836.98.

Contracts Awarded

SEWER CONSTRUCTION—Cost not stated, Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contractor, Michael Heafy, 2320 McKinley avenue, Berkeley. Contract price not stated.

SCHOOL—2 story and base, brick and steel, \$64,940. Alameda, Alameda Co., Cal. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, City of Alameda. Contractors, Anderson & Ringrose, 320 Market street, S. F. Contract price, \$64,940.

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Am't.
2644	City of Oakland	Place	4775
2645	Dodson	Chubbuck	500
2646	St. Johns Chm.	McDonald	400
2648	Willson	Willson	1600
2649	Same	Same	1600
2650	Bjorbeck	Abel	1600
2655	Norton	Smith	6200
2656	Mayer	Mayer	400
2657	Sessions	Nielsen	400
2658	McDonald	McDonald	1300
2659	Pacific T. & T.	Douglas	2097
2660	Rand	Anderson	3206
2661	Brown	Chubb	2761
2662	Bishop	Brumfield	1200
2663	Carlston	Carlston	1200
2664	Savin	Langtry	1950
2665	MacGregor	MacGregor	1550
2666	Same	Same	1600
2667	Same	Same	1575
2688	Hillen	Hillen	2500
2669	Oates	Oates	2250
2670	Pfanz	Pfanz	2506
2671	Blake	Johnson	400
2672	Campanozzi	Owner	2000
2673	Butters	Fisher	1325
2674	Same	Same	1600
2675	Moise	Sommerstrom	7176
2689	Wernum	Brown	2506
2682	Rosa	Rosa	400
2684	Robins	Lehre	1600
2685	Muller	Lammer	2700
2688	Grainger	Grainger	2000
2689	Blake	Woodard	1500
2701	Sylvia	Sylvia	2500
2705	Same	Same	2000
2706	Harmon	Lydskien	2000
2707	Marra	Phillips	1610
2708	Hunse	Himes	1100
2709	Butters	Brumfield	400
2710	Butters	Butters	400
2711	Kibney	Dingwell	1500

BUILDING

(2644) PERRY AND GRAND AVE., Oakland. One-story toilet building. Owner.....City of Oakland. Architect.....Julia Morgan, Merchants' Exchange Bldg., S. F. Contractor.....Miles W. Place, 565 16th, Oakland.

COST, \$4775

DWELLING

(2645) S "A" 35 E 8th Ave., Oakland. One-story 4-room dwelling. Owner.....J. A. Dodson, Carson City, Nevada. Architect.....None. Contractor.....C. B. Chubbuck, 1315 91th Ave., Oakland.

COST, \$500

ALTERATIONS

(2646) NOS. 717-727 GROVE, Oakland. Alterations and additions. Owner.....St. John's Church, Premises. Architect.....None. Contractor.....J. C. R. McDonald.

COST, \$400

DWELLING

(2648) N NEVIL 540 E 38th Ave., Oakland. One-story 4-room dwelling. Owner.....S. G. Willson. Architect.....None. Day's work.....

COST, \$1600

DWELLING

(2649) N NEVIL 500 E 38th Ave., Oakland. One-story 4-room dwelling. Owner.....S. G. Willson, 238 E-16th, Oakland. Architect.....None. Day's work.....

COST, \$1600

FRAME DWELLING

(2650) LOTS 42 AND 43 BLK 4 Regents Park No. 7, Oakland Tp. All work electric fixtures for one-story frame dwelling.

Owner.....Gustaf Bjorbeck, S. F. Architect.....None. Contractor.....G. E. Ahl and Edw. Anderson, 1237 2nd Ave., S. F. Filed Nov. 11, '16. Dated Nov. 10, '16.

Frame up 1/4
Brown coated 1/4
Completed and accepted 1/4
Usual 35 days..... 1/4

TOTAL COST, \$—

Bond, limit, forfeit, none. Plans and specifications filed.

FRAME DWELLING

(2655) NW WARWICK AVE 96 SV Euclid Ave. being ptn Lot 20 Blk 3 Sbdvn Adams Point Ppty, Oakland. All work for two-story and base-ment frame dwelling and garage. Owner.....B. W. and A. M. Norton, 720 Market, Oakland. Architect.....None. Contractor.....M. Smith.

Filed Nov. 13, '16. Dated Nov. 11, '16. Frame up and roof on 1/4
Brown coated 1/4
Completed and accepted 1/4
Usual 35 days..... 1/4

TOTAL COST, \$6200

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2656) NO. 5027 CONGRESS AVE., Oakland. Alterations and additions. Owner.....Frank Mayer, Premises. Architect.....None. Day's work.....

COST, \$400

ALTERATIONS

(2657) NO. 959 SIXTY-SECOND, Oakland. Alterations and additions. Owner.....Frank Sessions, Fort Berry. Architect.....None. Contractor.....John Nielsen, 917 62nd, Oakland.

COST, \$400

DWELLING

(2658) N LOCKWOOD 449 W 72d Ave., Oakland. One-story 4-room dwlg. Owner.....K. McDonald, 1932 Grant Ave., Oakland. Architect.....None. Day's work.....

COST, \$1500

REPAIRS

(2659) NO. 3420 FOOTHILL BLVD.,

Oakland. Repair brick telephone building.

Owner.....Pacific Telephone & Telegraph Co., Premises. Architect.....None. Contractor.....J. M. Douglas Co., Hearst Bldg., San Francisco.

COST, \$3097

FRAME STORE

(2660) NW SIXTEENTH & WEST N 103-2W 52.2, Oakland. All work for one-story frame store building. Owner.....Geo. J. Rand, Oakland. Architect.....Sidney B. Newsom, Nevada Bank Bldg., San Francisco. Contractor.....Anderson & Horswill, Okd. Filed Nov. 14, '16. Dated Nov. 13, '16. Gravel roof on \$800
Brown coated 800
Completed and accepted 800
Usual 35 days..... 806

TOTAL COST, \$3206

Bond, \$1605. Sureties, M. A. Horswill and A. Carlson. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

BRICK GARAGE

(2661) SW E-FOURTEENTH AND Twentieth Ave., Oakland. All work for one-story brick garage. Owner.....P. A. Brion, Berkeley. Architect.....None. Contractor.....C. Chubb, 1011 Franklin, Oakland.

Filed Nov. 14, '16. Dated July 21, '16. Within 10 days..... \$400
Completed 2361

TOTAL COST, \$2761

Bond, none. Limit, 90 days from July 21. Forfeit, plans and specifications, none.

ELECTRIC SIGN

(2662) E FRANKLIN bet. 14th & 19th, Oakland. Electric sign. Owner.....Bishop Play House, Prem. Architect.....None. Contractor.....Brumfield Elec. Sign Co., 18 7th, San Francisco.

COST, \$1200

ALTERATIONS

(2663) — REDWOOD ROAD, Oakland. Alterations. Owner.....J. F. Carlston, Geranium Place and Redwood Road, Oakland. Architect.....Wm. Knowles, Central Bk. Bldg., Oakland.

Day's work.....

COST, \$1200

DWELLING

(2664) S TWENTY-EIGHTH 60 E Chestnut, Oakland. One-story 6-room dwelling. Owner.....M. Savin, 725 5th, Oakland. Architect.....None. Contractor.....Langtry & Rubenstein, 3829 Market, Oakland.

COST, \$1950

DWELLING

(2665) E FLEET 165 N Hampel, Oakland. One-story 4-room dwelling. Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect.....None. Day's work.....

COST, \$1550

DWELLING

(2666) E FLEET 200 N Hampel, Oakland. One-story 4-room dwelling. Owner.....C. M. MacGregor, 470 13th, Oakland. Architect.....None. Day's work.....

COST, \$1600

DWELLING

(2667) E FLEET 235 N Hampel, Oakland. One-story 4-room dwelling.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$1575

DWELLING

(2668) N ARKANSAS 155 E Curran Ave., Oakland. One-story 5-room dwelling.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work. COST, \$2500

DWELLING

(2669) N HAMPEL 160 E Elston Ave., Oakland. One-story 6-room dwelling.
Owner.....R. Oates, 1580 Vista, Okd.
Architect...None.
Day's work. COST, \$2250

DWELLING

(2670) E JAMES AVE 330 S Clifton, Oakland. One-story 5-room dwlg.
Owner.....C. J. Pfirang, 5487 Claremont Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

SIDE WALK LIGHTS

(2671) SW TWELFTH AND WASHINGTON, Oakland. Side walk lights.
Owner.....Blake Estate Co., Prem.
Architect...None.
Contractor, P. H. Jackson, 237 1st, San Francisco.
TOTAL COST, \$400

DWELLING

(2672) W JAMES AVE 270 N Cavour, Oakland. One-story 5-room dwlg.
Owner.....E. Campomenosi, 5174 Miles Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

FACTORY

(2673) NO. 6400 CHABOT ROAD, Oakland. One-story factory.
Owner.....Chas. Butters & Co., Prem.
Architect...None.
Contractor, G. A. Fisher, 2918 Domingo, Berkeley.
COST, \$1325

FACTORY

(2674) NO. 6400 CHABOT ROAD, Oakland. One-story factory.
Owner.....Chas. Butters & Co., Prem.
Architect...None.
Contractor, G. A. Fisher, 2918 Domingo, Berkeley.
COST, \$1600

BRICK FACTORY

(2675) NE MARKET AND LYDIA N 100 E 93 S 98 1/2 W 75, Okd. All work except electric fixtures for one-story brick candy factory.
Owner.....L. H. Moise, 1212 Market, San Francisco.
Architect...None.
Contractor, Sommarstrom Bros., 21th Telegraph Ave., Okd.
Filed Nov. 15, '16. Dated Nov. 14, '16.
Brick walls up.....\$1700
Roof on.....1700
Completed and accepted.....1700
Usual 35 days.....2050
TOTAL COST, \$7150
Bond, none.. Limit, 70 days. Forfeit, \$5. Plans and specifications filed.

DWELLING

(2682) E THIRTY-FOURTH AVE 100

S Galindo, Oakland. One-story five-room dwelling.
Owner.....Adolph Werum, 3494 Harper Court, Oakland.
Architect...Newsom & Newsom, 1748 Broadway, Oakland.
Contractor, W. C. Brown, 1621 64th Ave., Oakland.
COST, \$2500

ALTERATIONS

(2683) NE SEVENTY-THIRD AVE & E-14th, Oakland. Alterations and additions.
Owner.....Tony Rosa, Premises.
Architect...None.
Day's work. COST, \$400

DWELLING

(2684) SW MAYBELLE AVE AND Quigley, Oakland. One-story five-room dwelling.
Owner.....Percy Robins, 3121 High, Oakland.
Architect...None.
Contractor, F. A. Lehre, 3023 High, Oakland.
COST, \$1600

DWELLING

(2685) E CALMAR AVE 100 N Santa Raye, Oakland. Two-story 6-room dwelling.
Owner.....F. A. Muller, Syndicate Bldg., Oakland.
Architect...None.
Contractor, Edw. Larmer, 470 Boulevard Way, Oakland.
COST, \$3200

DWELLING

(2688) S SONOMA 85 W Peralta Ave., Albany. One-story 5-room dwelling.
Owner.....L. L. Grainger, 1215 Monterey Ave., Berkeley.
Architect...None.
Day's work. COST, \$2000

DWELLING

(2689) W NELSON 190 S Solano, Albany. One-story 5-room dwelling.
Owner.....R. M. Blake, Oakland.
Architect...None.
Contractor, E. W. Woodard, 4025 Brighton Ave., Oakland.
COST, \$1500

DWELLING

(2701) W SANTA CLARA AVE 163 N Crescent, Oakland. Two-story 6-room dwelling.
Owner.....A. M. Sylvia, 450 38th Ave., San Francisco.
Architect...None.
Day's work. COST, \$3900

DWELLING

(2705) W SANTA CLARA AVE 122 N Crescent, Oakland. Two-story 6-room dwelling.
Owner.....A. M. Sylvia, 450 38th Ave., San Francisco.
Architect...None.
Day's work. COST, \$3900

DWELLING

(2706) W DERBY 175 N E-12th, Oakland. One-story 5-room dwelling.
Owner.....A. K. P. Harmon Jr., 1842 12th Ave., Oakland.
Architect...None.
Contractor, Geo. H. Lydixsen, 1244 29th Ave., Oakland.
COST, \$2000

DWELLING

(2707) W HANNAH 250 S 34th, Oakland. One-story 4-room dwelling.

(2708) J. H. Maule, 255 Hannah, Oakland.
Architect...None.
Contractor, Antone Philip, 2831 Helen, Oakland.
COST, \$1640

DWELLING

(2708) N FLEMING AVE 103 E Courtland Ave., Oakland. One-story five-room dwelling.
Owner.....A. Hunse, 4156 Fleming Ave., Oakland.
Architect...None.
Day's work. COST, \$1100

ELECTRIC SIGN

(2709) SW ELEVENTH AND BROADWAY, Oakland. Electric sign.
Owner.....Turner & Dahnen.
Architect...None.
Contractor, Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$400

FACTORY

(2710) NO. 6400 CHABOT ROAD, Oakland. One-story factory.
Owner.....Chas. Butters & Co., Prem.
Architect...None.
Day's work. COST, \$400

WAREHOUSE

(2711) N NINTH 125 E Franklin, Oakland. One-story brick warehouse.
Owner.....R. W. Kinney Co., Premises.
Architect...A. W. Smith, 1010 Broadway, San Francisco.
Contractor, J. H. Dingwell, 2006 West, Oakland.
COST, \$1500

**Building Contracts Awarded.
Berkeley**

No.	Owner	Contractor	Am't.
2617	Barnett	Schnisser	1000
2651	Haron	Walker	1500
2652	Snyder	Kidder	350
2653	Cal Ink	Cress	2618
2654	Risher	Risher	2000
2655	Metzler	Ahenfeld	1800
2681	Same	Same	1800
2686	United Home Bldrs.	Owner	2000
2687	Whyte	Hopper	4200
2690	Wood	Carlson	1000
2691	Farrier	Carlson	500
2692	Baker	Baker	1500
2693	Hillen	Hillen	2000
2694	Same	Same	2000
2695	Same	Same	2000
2696	Same	Same	2000
2697	Same	Same	2000
2698	Same	Same	2000
2699	Same	Same	2000
2700	Same	Same	2000
2701	Janssen	Janssen	2000
2702	Baker	Baker	1500
2703	Alto Bates	Kidder	500
2712	Hall	Wieben	400
2713	Hattel	Hampton	600
2714	Stillman	Pearson	1000
2715	Eriksen	Eriksen	1100
2716	Johnson	Tachman	1500
2717	Butler	Butler	1500

ALTERATIONS

(2717) NO. 2221 SHATTUCK AVE., Berkeley. Alterations
Owner.....Miss E. Barnett.
Architect...None.
Contractor, H. H. Schnisser
COST, \$1000

ALTERATIONS

(2651) NO. 2119 UNIVERSITY AVE., Berkeley. Alterations and repairs to store.
Owner.....A. A. Haron.
Architect...None.
Contractor, F. J. Walker, Monadnock Bldg., San Francisco.
COST, \$1500

GARAGE
(2652) NO. 2713 FAUST AVE., Berkeley. Garage.
Owner.....C. H. Snyder, Premises.
Architect...None.
Contractor...H. C. Kidder, 1923 Francisco, Berkeley.

COST, \$350

WAREHOUSE
(2653) THIRD AND CARMELIA, Berkeley. One-story warehouse.
Owner.....California Ink Co., 41 Clementina, S. F.
Architect...None.
Contractor...F. H. Cross, 180 Jessie, San Francisco.

COST, \$3618

DWELLING
(2654) NO. 1800 GRANT, Berkeley. One-story 5-room dwelling.
Owner.....Geo. S. Risher, 1814 Hearst Ave., Berkeley.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2656) W CALIFORNIA 50 N Lincoln, Berkeley. One-story 5-room dwlg.
Owner.....O. Metzler, 1605 McGee, Berkeley.
Architect...None.
Contractor...H. Ahnefeld, 3005 King, Berkeley.

COST, \$1800

DWELLING
(2681) W CALIFORNIA 40 N Lincoln, Berkeley. One-story 5-room dwlg.
Owner.....O. Metzler, 1605 McGee, Berkeley.
Architect...None.
Contractor...Henry Ahnefeld, 3005 King Berkeley.

COST, \$1800

DWELLING
(2656) NO. 1626 BEVERLY PLACE, Berkeley. One-story 6-room dwlg.
Owner.....United Home Bldrs., 1527 Broadway, Oakland.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2687) E FRESNO 260 S Monterey, Berkeley. Two-story 7-room dwlg.
Owner.....Neil Whyte, Walnut Creek.
Architect...None.
Contractor...Richmond & Hopper, 1769 Pleasant Valley Ave., Bkly

COST, \$4200

ADDITION
(2690) NO. 1 PLAZA DRIVE, Berkeley. Addition.
Owner.....W. Wood.
Architect...None.
Contractor...H. Carlson, 1627 Parker, Berkeley.

COST, \$400

REPAIRS
(2691) NO. 2324 FULTON, Berkeley. Repairs.
Owner.....Mr. Farrier.
Architect...None.
Contractor...H. Carlson, 1627 Parker, Berkeley.

COST, \$500

DWELLING
(2692) SW MARKET AND DERBY, Berkeley. One-story 5-room dwlg.
Owner.....W. J. Baker, 510 28th, Okd
Architect...None.
Day's work.

COST, \$1500

DWELLING
(2693) E CALIFORNIA 137 S Cedar, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2694) E CALIFORNIA 105½ S Cedar, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2695) E CALIFORNIA 73 S Cedar, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2696) E BONAR 100 N Dwight, Berkeley. One-story 5-room dwelling.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2697) SE CHANNING WAY & BONAR Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2698) S VIRGINIA 50 E Franklin, Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2699) S VIRGINIA 55 E West, Berkeley. One-story 5-room dwelling.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2700) E SACRAMENTO 55 N Lincoln Berkeley. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2701) NO. 1613 BEVERLY PLACE, Berkeley. One-story 5-room dwlg.
Owner.....E. A. Janssen, Hearst Bldg San Francisco.
Architect...None.
Day's work.

COST, \$2000

DWELLING
(2702) W MABEL 33 S Derby, Berkeley. One-story 5-room dwelling.
Owner.....W. J. Baker, 540 28th, Oakland.
Architect...None.
Day's work.

COST, \$1500

REPAIRS
(2703) SW WEBSTER AND REGENT, Berkeley. Fire repairs.
Owner.....Alta Bates, Premises.
Architect...None.

Contractor...H. C. Kidder, 1923 Francisco, Berkeley.

COST, \$500

ADDITION
(2712) NO. 2214 GROVE, Berkeley. Addition.
Owner.....Mrs. E. M. Hall, 11th and Oak, Oakland.
Architect...None.
Contractor...Alex C. Wieben, 1461 Alice, Oakland.

COST, \$400

DWELLING
(2713) NO. 2120 BONAR, Berkeley. One-story 4-room dwelling.
Owner.....Mrs. B. Hattel, 2122 Bonar, Berkeley.
Architect...None.
Contractor...E. G. Hampton, 2123 McKinley Ave., Berkeley.

COST, \$600

ALTERATIONS
(2714) NO. 2427 CHANNING WAY, Berkeley. Alterations and additions.
Owner.....Henry Stillman, 2430 Piedmont Ave., Berkeley.
Architect...None.
Contractor...Ben Pearson, 2403 Grant, Berkeley.

COST, \$1000

DWELLING
(2715) NO. 1203 EVELYN, Berkeley. One-story 4-room dwelling.
Owner.....Carl Ericsson, 1200 Masonic Ave., Berkeley.
Architect...None.
Day's work.

COST, \$1100

DWELLING
(2716) N PULIA 40 E Sacramento, Berkeley. One-story 4-room dwlg.
Owner.....M. L. Johnson, 961 63rd, Oakland.
Architect...None.
Contractor...John Hachman, 4151 Falington, Berkeley.

COST, \$1500

DWELLING
(2717) E GRANT 70 N Berkeley Way, Berkeley. One-story 5-room dwlg.
Owner.....B. F. Butler, 333-A 49th, Oakland.
Architect...None.
Day's work.

COST, \$1800

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2676	Ivaldi	Cuttica	600
2677	Hesse	Hopper	1500
2678	Anderson	Christensen	1000
2679	Hillen	Hillen	2500

ADDITION
(2676) NO. 769 TAYLOR, Alameda. Addition.
Owner.....E. Ivaldi.
Architect...None.
Contractor...E. Cuttica, Premises.

COST, \$600

DWELLING
(2677) FIRST LOT W of No. 1015 Santa Clara Ave., Alameda. One-story 5-room dwelling.
Owner.....W. A. Hesse, 1015 Santa Clara Ave., Alameda.
Architect...None.
Contractor...M. Hopper, 90 Glen Ave., Oakland.

COST, \$1800

DWELLING

(2678) NO. 2447 ENCINAL AVE., Alameda. One-story 4-room dwelling. Owner.....Lina Anderson, 3001 Regent St., Alameda.
Architect...None.
Contractor...C. Christensen, 237 Wayne Ave., Oakland.
COST, \$1000

DWELLING

(2679) NINTH AND BUENA VISTA Ave., Alameda. One-story five-room dwelling.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.
COST, \$2500

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Nov. 15, 1916—NO. 2263 E-FOURTEENTH, Oakland. Gilbert Wyman as to improvements on leased property

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED
Nov. 1, 1916—S BANCROFT WAY 450 E Dana, Bkly. N R Davidson to C H Warren.....Oct. 27, 1916
Nov. 2, 1916—LOT 15 BLK 4, Hopkins Terrace No. 4, Bkly. L H Duschak to Riddell Bldg Service Corp.....Nov. 1, 1916
Nov. 3, 1916—W POMONA AVE 200 and 240 N Main, being Lots 191, 193, 193 and 195 Terminal Junction Tract, Albany. Madge H Jones to whom it may concern.....Oct. 26, 1916
Nov. 3, 1916—LOT 15 BLK "C" Map Oakland Highlands, Okd. Emma Coburn to whom it may concern.....Completed
Nov. 3, 1916—LOT 20 AND E 2 Lot 15 Blk "A" Map Waterside Terrace, Alameda. Mark T Cole to whom it may concern.....Nov. 2, 1916
Oct. 31, 1916—W JOSEPH AVE 156 W Peralta Park W 33xN 100, Bkly. E A Janssen to whom it may concern.....Oct. 25, 1916
Oct. 27, 1916—E PERALTA AVE, being No. 4004, Okd. C L Mackl to M C Vaughn.....Oct. 26, 1916
Nov. 4, 1916—SE PARK AVE AND Harlan, Emeryville. Peoples Baking Co to Harry C Knight.....Oct. 25, '16
Nov. 6, 1916—NO. 2043 ATSEON AV being Lot 30 and SW 15 Lot 29 Blk 6 Auseon's Moss Tract, Oakland. Joseph St. Mary to whom it may concern.....Nov. 6, 1916
Nov. 6, 1916—W GRANT 90 S Delaware S 45xW 105, Bkly. B F Butler to whom it may concern.....Nov. 4, 1916
Nov. 8, 1916—W 35 LOT 8, BLK 174. Grayson Tract, Berkeley. F. Holberg Reimers to whom it may concern.....Nov. 4, 1916
Nov. 8, 1916—LOT 20, BLK 3, Revised Map Rock Ridge Park, Oakland. W. G. Hammel to Riddell Building Service Corp.....Nov. 1, 1916
Nov. 8, 1916—SW NINETEENTH ST. and 19th avenue, S 35xW 100, Oakland. Wm. B. White to whom it may concern.....Nov. 6, 1916
Nov. 8, 1916—LOT 4, BLK 2, Keystone Tract, Berkeley. F. Holberg Reimers to whom it may concern.....Nov. 4, 1916
Nov. 9, 1916—S CARLTON 204-36 W Seventh W 69x52 SW 408.52 NE

969.50 NW 109.31, Bkly. Peet Bros Mfg Co to The Turner Co (two acceptances).....Oct. 33, 1916
Nov. 9, 1916—LOT 16 BLK "G" Claremont Court and Lot 17 Blk "G" Claremont Court, Bkly. Franklin P Nutting to F E Nelson.....Nov. 3, 1916
Nov. 10, 1916—LOTS 8 TO 32 incl and Ptn Lots 4, 5, 6, 7 and 25 incl, R. W. Mullen's Sbdvn Blk 576, Okd. Pacific Coast Shredded Wheat Co to Sage Watson.....Sept. 30, 1916
Nov. 11, 1916—S 20 LOT 41 and N 13 Lot 45 Blk "D" Map Alton Park, Okd. John E Murphy to whom it may concern.....Nov. 10, 1916
Nov. 11, 1916—LOT 12 BLK NO. 2, Hotel Claremont Tract, Berkeley. Thomas D Stevenson to C Texdahl.....Nov. 6, 1916
Nov. 13, 1916—N WOOLSEY 3 1/2 W Benvenue Ave, Bkly. E L Jenks to whom it may concern.....Nov. 1, 1916
Nov. 15, 1916—E TELEGRAPH AVE 90 S Stuart, Bkly. Shuey Creamery Co to Walter Sorenson.....Nov. 11, 1916
Nov. 15, 1916—LOT 11 BLK "B" Map Reshdvn Blk 8 of that part Rock Ridge Terrace filed March 16, 1911, Okd. Blake Bros Co to whom it may concern.....Nov. 13, 1916
Nov. 15, 1916—LOT 1 BLK 2, Thousand Oaks Tract, ——— Luck K Smith to C H Warren.....Nov. 10, 1916
Nov. 16, 1916—LOT 54 Map Nova Piedmont, Piedmont. Alfred Corda to whom it may concern.....Nov. 16, 1916
Nov. 16, 1916—S THIRTIETH 200 W Adeine, Okd. Fred and Lillian Brain to Thomas Rutherford.....Nov. 14, 1916
Nov. 17, 1916—NE FOURTH AVE 73 SE N line Lot 37 Blk "B" SE 102.37 N 127.10 SW 80 Map ———, Okd. S V Nichols to whom it may concern.....Nov. 13, 1916

LIENS FILED

ALAMEDA COUNTY.

Nov. 2, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Alameda. Wm Makin vs Surf Beach Amusement Co and Surf Beach Park Co, H A Christofol and S Gordon.....\$153
Nov. 3, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Alameda. K C Shurick vs E W McConnell, C L Williams, Surf Beach Amusement Co, H Christoferson and Sanford Gordon.....\$154.60
Nov. 4, 1916—PTN LOT 8 Map Sbdvn of Kellersberger's Plot 72, Oakland Tp. Pacific Fuel & Bldg Materials Co vs C M Charruau, L E and Lois Rahjohn.....\$23.65
Nov. 4, 1916—LINE DIVIDING LOTS 8 and 9 10.35 NW Center line Bench Road NW 276.78 NW 16.76 fm pt Bench NE 122.54 NW to SW 109.45 SE 25.08 Kellersbergers Sbdvn Plot 72, Okd. The Art Fixture Co vs C M Charruau and Lloyd E Rahjohn.....\$33.35
Nov. 6, 1916—PTN LOT 8 Kellersberger's Sbdvn Plot 72 of City of Oakland, Oakland. Swift and Wilcox vs Lloyd E Rahjohn and C M Charruau.....\$156.90
Nov. 6, 1916—LOT 200 Map Crocker Highlands, Oakland. Redwood Manufacturers Co vs Christ Nelson, Peter Buhman, Alta Piedmont Land Co and F M Gilberd.....\$1303.65
Nov. 6, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Ala. John P Woods vs Surf Beach Amusement

Co, Surf Beach Park Co, H A Christofol and S Gordon.....\$60
Nov. 6, 1916—PTN PLOT 72, V. and D Peralta Rancho, Oakland. Hammond Lumber Co. vs. C. M. Charruau and Lloyd E. Rahjohn.....\$60.10
Nov. 8, 1916—LOT 3, BLK 7, Map R subdivision Blks 9, 10, 11, 12, 13, 14, and ptn Blk 16, Rockridge Terrace, Oakland. H. H. Brownlow Shepherd and S. G. Whitteley (Shepherd & Whitteley) vs. Blake Bros Co. & Oakland Investment Co.....\$210.10
Nov. 9, 1916—PTN AUGINBAUGH 223.374 Acre Tract, Alameda. Wm Makin vs Surf Beach Amusement Co, Surf Beach Park Co, H A Christofol and S Gordon.....\$153
Nov. 9, 1916—LOT 1 BLK "D" Excelsior Heights Okd. Fred Koenig vs Paul B Joseph.....\$82.95
Nov. 13, 1916—LOTS 17 AND 18 and NE 100 Lot 19 Blk 10, Higley's map of Clinton, being No. 329 E-19th St, Okd. Charles F Stephenson vs Alexander Elliott.....\$46.75
Nov. 13, 1916—PTN LOT 8 Map Kellersberger's Sbdvn Plot 72 of City of Oakland, Okd. J L Williams vs Lloyd E Rahjohn and C M Charruau.....\$60

SAN JOSE AND THE SANTA CLARA VALLEY

CHURCH—1 and 2 story, frame and concrete, \$35,000. Monterey, Monterey Co., Cal. Architect, Smith & O'Brien, Humboldt Bank Bldg. S. E. Owners, Roman Catholic Church. Will contain large main auditorium and Sunday school rooms. Plans being prepared.
OIL BURNING SYSTEM—\$769. Redwood City, San Mateo Co., Cal. Engineer's name not given. Owners, San Mateo County. The following bill were received for installing a new oil burning system in the County Court House: Newsum & Henning, S. F. \$769; S. T. Johnson Co., S. F.; \$725; W. E. Ray, S. F.; \$587; Gilley-Schmidt, S. F., \$810.
HOSPITAL COTTAGE—1 story, concrete and frame, \$22,081. Agnews, Santa Clara Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Grace & Bernieri, 703 Market street, S. F., presented the lowest figure for the open air cottage at Agnews and will be awarded the contract. A complete list of these figures appears under the heading of Bids Opened in this issue.
Contracts Awarded.
HOSPITAL BOILER—\$1,978. San Jose, Santa Clara Co., Cal. Architect, none. Owners, Santa Clara County. Contractors, Harmon, Rickard & McConne, 129 Townsend street, S. F. Contract price, \$1,978.
SCHOOL—1 story and base, frame, \$15,000. San Carlos San Mateo Co., Cal. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owners, San Carlos School District. Plans are nearly complete and figures will be called for this coming week.
STREET IMPROVEMENTS—\$50,600.72. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. The City Council has instructed the City Clerk to advertise for bids for a considerable amount of street improvement, the estimated cost of which is \$50,600.72, and bids for the work will be opened on November 28th. The improvement provides for permanent paving on King

street, from Mission to Bay street, and on Miles, Peyton and Laurel streets. The district is to be sewered, a 6-inch pipe on King street and 4-inch laterals on the other three streets. Sidewalks are to be built where needed, parkways on a portion of King street, necessary curbing and gutters and a concrete waterway along a portion of King street.

STORM SEWER—\$2,940. Hillsborough, San Mateo Co., Cal. Engineer, City Engineer Hillsborough, Holbrook Bldg., S. F. Owners, Town of Hillsborough. Contractors, Tieslau Bros., 110 Jessie street, S. F. Contract price, \$2,940.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME BUILDING
NEAR LOS GATOS. All work for one-story frame building.
Owner.....The Oaks Sanitarium.
Architect...Martin A. Schmidlin, 3115 Jackson, San Francisco.
Contractor...A. H. Wilhelm, 180 Jessie, San Francisco.
Filed Nov. 14, '16. Dated Nov. 11, '16.
Frame up, etc.....\$325
White coated 840
Job accepted 720
Usual 35 days 840
TOTAL COST, \$3225

Bond, \$1615. Surety, Maryland Casualty Co. Limit, 45 days from Nov. 14. Forfeit, none. Plans and specifications filed.

BRICK BUILDING
SOUTH FIRST ST., near William St., San Jose. All work for one-story brick business building.
Owner.....Seymour Montgomery.
Architect...Wm. Binder and E. N. Curtis, Rea Bldg., San Jose
Contractor...Morrison Bros., 1210 Liberty St., Santa Clara.
Filed Nov. 13, '16. Dated Nov. 11, '16.
Payments each month of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$6762
Bond, \$3351. Sureties, James H. Pierce and C. A. Morrison. Limit, 60 days from filing. Forfeit, none. Plans and specifications filed.

DWELLING
STANFORD CAMPUS, Palo Alto. All work for two-story dwelling.
Owner.....Japanese Students Association of Stanford.
Architect...J. S. Kamiye.
Contractor...S. Kamiye.
Filed Nov. 4, '16. Dated Oct. 27, '16.
Foundation in..... 10%
Frame done 10%
Roof on, window frames in..... 10%
Wall cement & rough plaster on 15%
Walls completed 10%
Finishing work and 1/2 painting done 20%
Accepted 10%
Usual 35 days..... 20%
TOTAL COST, \$5580
Bond, \$2790. Sureties, J. Koike and T. Kagawa. Limit, 110 days from date. Forfeit, \$10 per day. Plans and specifications filed.

PLAST PIPE
GAS WORKS SITE, San Jose. All work for blast pipe at gas plant.
Owner.....Pacific Gas & Electric Co., 45 San Antonio St., S. J.
Architect...None.

Contractor...Western Pipe & Steel Co., 444 Market St., S. F.
Filed Nov. 10, '16. Dated Nov. 2, '16.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, \$834
Bond, \$150. Surety, Guardian Casualty & Guaranty Co. Limit, 24 days from date. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME BUILDING
LOTS 1 AND 31 BLK 1 Sub 4 of Burlingame Park, Hillsborough. All work for one-story frame telephone building.
Owner.....The Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco.
Architect...Howard & White, Lick Bldg., San Francisco.
Contractor...Cavanagh Bros.
Filed Nov. 16, '16. Dated Nov. 13, '16.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$11,325
Bond, \$5682.50. Surety, Royal Indemnity Co. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW
STANBAUGH ST., Redwood City. All work except excavating and sewer from curb stone to City sewer for one story frame bungalow.
Owner.....Eugene Callnon.
Architect...None.
Contractor...Thos. A. Cuthbertson.
Filed Nov. 11, '16. Dated Nov. 10, '16.
Framed\$300
Brown plastered 300
When completed 300
Usual 35 days..... 300
TOTAL COST, \$1200
Bond, \$600. Sureties, J. H. McCallum and E. O. Benner. Limit, 60 days. Forfeit, 50c per day. Plans and specifications filed.

BUNGALOWS
LOTS 11 AND 12 BLK 39, Easton Addition No. 3, Burlingame. All work for two shingled one-story bungalows.
Owner.....F. H. Rogers.
Architect...None.
Contractor...Croop & Keegan, San Mateo.
Filed Nov. 9, '16. Dated Nov. 3, '16.
Framed\$1400
1st coat plaster on..... 1400
Accepted 1400
Usual 35 days..... 1406
TOTAL COST, \$5600

Bond, \$2500. Sureties, N. F. Boland and W. T. Croop. Limit, 90 days. Forfeit, none. Plans and specifications filed.

MAUSOLEUM
SECTION 1 — NO. 4 LOT NO. 9, Home of Peace Cemetery, Colma. All work for mausoleum.
Owner.....Cecelia Simon
Architect...P. Righetti, 665 Phelan Bldg., San Francisco.
Contractor...California Granite Co., 518 Sharon Bldg., S. F.
Filed Nov. 10, '16. Dated Nov. 2, '16.
Foundation completed\$1000.00
Stone work to top of columns 2000.00
All stone work set..... 1000.00
When completed 1097.75
Usual 35 days..... 1699.25
TOTAL COST, \$6797.00

Bond, \$3000. Surety, Maryland Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
W 75 FEET LOT 24, San Mateo Park, San Mateo. All work for two-story frame residence and garage.
Owner.....J. E. Woodbridge, 516 Crescent, San Mateo.
Architect...Charles S. Kaiser, 57 Post St., San Francisco.
Contractor...Leadley & Wiseman, 207 2nd St., San Mateo.
Filed Nov. 9, '16. Dated Nov. 8, '16.
When framed\$1727.70
1st coat plaster on..... 1727.70
When completed 1727.70
Usual 35 days..... 1727.70
TOTAL COST, \$6910.80
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED **ACCEPTED**
Nov. 4, 1916—LOT 10 BLK 1, Burlingame Terrace, Burlingame. J. R. Alexander to whom it may concern.....Nov. 2, 1916
Nov. 4, 1916—HAVNE PPTY, Hillsborough. R Y Hayne to Collman & Duncan.....Sept. 29, 1916
Nov. 6, 1916—LOTS 12 AND 13 BLK 1 Sub 4, Burlingame Park, Burlingame. Caroline J. Farless to Chas Hutchings.....Oct. 31, 1916
Nov. 8, 1916—BURLINGAME AVE & Park Road, Burlingame. Charles X Kirkbride to Collman & Duncan.....Oct. 30, 1916
Nov. 8, 1916—BURLINGAME AVE & Park Road, Burlingame. Charles N Kirkbride to Morrison & Blair.....Oct. 28, 1916
Nov. 11, 1916—PTN BLK 6 Park Road and Burlingame Ave, Burlingame. Edith E Lorton and Josephine M Lamb to Collman & Duncan.....Nov. 6, 1916
Nov. 11, 1916—PARK ROAD AND Burlingame Ave, Ptn Blk 6, Burlingame. Josephine M Lamb and Edith E Lorton to J. A. Stark (Plumbing).....Oct. 9, 1916
Nov. 13, 1916—LOT 13 BLK "L" Hayward Park, San Mateo. Frank H Boring to whom it may concern.....Nov. 9, 1916
Nov. 16, 1916—ELM ST AND POPLAR Ave, San Mateo. R A Sibley to Arnold & Morey.....Nov. 11, 1916

RELEASE OF LIENS

SAN MATEO COUNTY.

RECORDED **AMOUNT**
Nov. 16, 1916—LOT 13, Peter Faber Sub near Palo Alto. Duffield Lumber Co, \$60.65; W H Yount, \$412.25; C L Meisterheim, \$162.80; A N Mills, \$27; R L Pitcher, \$24.50; E K Clarke, Edith A E Lyman, Charlotte H Wright, Marshall Black, Peter Faber, Ray M Black and Palo Alto Mutual Bldg & Loan Association..

MARIN, CONTRA COSTA AND SONOMA COUNTIES

STREET IMPROVEMENT—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on November 27th for street improvements authorized

under the following resolution: That Fourth street, from Pennsylvania avenue to its northern termination, be graded to its full width to the official lines and grades, paved with water-bound macadam, curbed, guttered, and sidewalked with cement concrete.

SEA WALL, ETC.—\$55,000. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbets, Alaska Commercial Bldg., S. F. Owners, City of Richmond. Bids will be opened on November 27th at 8 p. m. for the construction of a sea wall of clay in Richmond inner harbor.

HOTEL—2 story and base, frame, \$22,000. Oleum, Contra Costa Co., Cal. Architect, James T. Narbett, 704 Macdonald avenue, Richmond. Owners, Union Oil Co. Will contain a number of single rooms, public and private baths and a large dining room and office. Plans being prepared.

RESIDENCE—1 story and base, frame, \$2,500. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, 704 Macdonald avenue, Richmond. Owner, W. T. Helms. Will contain six rooms, bath and sleeping porch. Plans complete and figures being taken.

STORE—1 story and base, reinforced concrete, \$4,500. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, 704 Macdonald avenue, Richmond. Owner, W. A. Morehead. Location, Macdonald avenue between 7th and 8th streets. Will contain two modern stores. Plans complete and work to be done by Day Labor.

THEATRE—2 story and base, reinforced concrete. Cost not stated. Richmond, Contra Costa Co., Cal. Architect, A. W. Cornelius, Merchants' National Bank Bldg., S. F. Location, Macdonald avenue and Ninth street. Preliminary plans have been completed and working drawings are now being prepared. Further mention will be made by Day Labor.

ROAD IMPROVEMENTS—Cost not stated. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. Bids will be opened on December 5th at 10 a. m. for clearing, regrading and ditching that portion of the Fairfax and Bollinas Bay road from the summit of Bollinas Ridge to the head of Bollinas Bay, a distance of four and six-tenths miles, in Road District No. 3, Marin County; and for the construction of culverts and paving thereon.

BRIDGES AND ROAD WORK—Cost not stated. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. Bids will be opened on December 5th at 10 a. m. for clearing, regrading and ditching all that portion of the county road known as the Pt. Reyes Station and Marshall road, lying in Road District No. 11, a distance of four and seven-tenths miles, and for the construction of concrete bridges, culverts and paving thereon.

Contracts Awarded

APARTMENT HOUSE—3 story and base, frame, \$6,500. Vallejo, Solano Co., Cal. Architect, none. Owner, Harry Handley, Vallejo. Contractors, George H. Hoyt Co., Berkeley Bank Bldg., Berkeley. Contract price, \$6,500.

FACTORY—1 and 4 story and base, reinforced concrete and steel. Cost not stated. South Vallejo, Solano Co., Cal. Engineer, Maurice Couchot, 110 Sutter street, S. F. Owners, Sperry Flour Co. Contractor, Thomas F. McGill, Vallejo.

excavating. Contract price, \$5,000. **STORES**—1 story and base, brick, \$2,856. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, 704 Macdonald avenue, Richmond. Owner, J. A. Parysek. Contractor, A. W. Josse-lynn, 444 9th street, Richmond. Contract price, \$2,856.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Nov. 13, 1916—SAN ANSELMO, ROBT
A Carey to John E. Warner.....
.....Oct. 30, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

HIGHWAY CONSTRUCTION—\$70,154.75. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Robert Sherer & Co., 650 Pacific Electric Bldg., L. A., submitted the lowest bid to the Kern County Supervisors for the construction of the Bakersfield-Mojave road. Their bid was \$70,154.75. After consideration the matter of awarding the contract was referred to the contract committee for report.

HIGHWAY CONSTRUCTION—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids will be opened on December 6th at 10 a. m. for grading, paving, and construction of culverts on division 7, section 2, Bakersfield-Taft road, being that portion lying between the Western Water Company's pumping plant and the end of the pavement near Mosher's half-way house; length five and three-quarters miles.

STREET PAVING—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, City Engineer, Modesto. Owners, City of Modesto. Resolutions of intention for the paving of three blocks on 16th street, between H street and Needham avenue, have been passed by the City Council, the Board adopting the plans and specifications prepared by City Engineer George Freitas. The Engineer was further instructed to prepare plans for the paving of that portion of 7th street between the highway section and the Tuolumne bridge.

PILE TREESTLE, ETC.—Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. Bids will be opened on December 5th for the construction of three pile trestle highway bridges over Gross Creek and its branches, located west and northwest of Corcoran, county of Kings.

BRIDGE—Reinforced concrete. Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. At the last meeting of the County Supervisors plans and specifications prepared by the County Engineer for a bridge over Cross Creek northwest of Corcoran, were approved and the County Clerk instructed to advertise for bids up to December 5th. Further information and plans may be had from the County Clerk.

BRIDGES—Reinforced concrete. Cost not stated. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. At the last meeting of the County Board of Super-

visors County Surveyor Cowell was instructed to prepare plans and specifications for a concrete bridge on the Los Banos-Hungry Hollow road and also for a bridge on the Dugan road.

BRIDGES—Reinforced concrete. Cost as follows: Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. At the last meeting of the Merced County Supervisors bids were opened for the construction of Drainage Districts Nos. 1 and 2, and there were two bidders on each. The Board laid all the bids over for further consideration before awarding contracts. According to the bids submitted and the overhead charge that will have to be added the costs of the districts will aggregate about \$110,000. District No. 1 will cost about \$35,000 and District No. 2 about \$75,000. Action on awarding contracts will be taken at the next meeting.

BRIDGE—Reinforced concrete. Cost not stated. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. Bids will be opened on December 5th at 2 p. m. for the construction of a reinforced concrete bridge over Deer Creek, near the center of section 21, township 23, south range east, M. D. B. and M., on the line of the State highway, to be known as "Tulare County Bridge No. 1."

BRIDGE—Reinforced concrete. Cost not stated. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. Bids will be received by the Board of Supervisors up to December 5th for the construction of an 80-foot concrete bridge at Karlmar over the Tule River.

STREET IMPROVEMENTS—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Bids will be opened on November 2th for street improvements authorized under the following resolution: That 21st street, between I street and L street, be paved with cement concrete pavement, and that curbs and gutters of like material be constructed thereon.

HIGHWAY CONSTRUCTION—Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. Bids will be advertised for soon for the construction of the highway unit running north to Alcorn Bridges with three miles into the Excelsior District for which no bids were received on the first advertising; also the unit running through the island territory west of Hardwick and north of Lemoore known as the Brownville unit. The County Highway Commission is preparing plans and specifications for this work.

SEWER CONSTRUCTION—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Bids will be opened on November 27th at 5:30 p. m. for the construction of a 6-inch sewer of vitrified, salt-glazed sewer pipe along the center line of the first alley east of L street, near 21st street; also on L street, near 25th street; also on the first alley east of L street, near Bellevue avenue; also in the first alley east of K street, near 25th street; also to construct manholes, lampholes and Y's for house connections as shown on plans therefor on file in the Engineer's office.

SANITARIUM—3 story and base, reinforced concrete, \$75,000. Fresno,

Fresno Co., Cal. Architect: J. H. Kraft & Sons, Phelan Bldg., S. F. Owners, Burnett Sanitarium Co. Location, S street near Fresno. Revised plans have been approved by the owners and bids will be called for shortly.

LIBRARY—1 story and base, concrete. Cost as follows. Oakdale, Stanislaus Co., Cal. Architect's name not given. Owners, Stanislaus County. The two lowest bids received by the Stanislaus County Supervisors for the construction of the proposed Carnegie Library building at Oakdale have been taken under advisement. Five propositions were submitted to the bidders, the variations being in amount of furniture and work subsidiary to construction of the main building. On the inclusive proposition and on the one with the least amount of furniture, sidewalks, etc., the two bids retained were: Knapp, \$7,650 and \$7,100; Voorhees, \$7,793 and \$7,250.

POST OFFICE—2 story and base, concrete and brick. Cost not stated. Bakersfield, Kern Co., Cal. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be advertised for between December 1 and 15 for the erection of the new Federal building and post office at the corner of 18th and G streets. The new building will be similar to the one at Berkeley.

SCHOOL GYMNASIUM—1 story, frame, \$2,000. Hanford, Kings Co., Cal. Architects, Glass, Putner & Bowser, Republican Bldg., Fresno. Owners, City of Hanford. All bids received were in excess of the amount available and were rejected. New bids will be called.

STREET PAVING—\$200,000. Hanford, Kings Co., Cal. Engineer, Edward Lynch, Glendale. Owners, City of Hanford. Approximately sixty blocks of this city will be paved at a cost of \$200,000, according to a decision reached by the Hanford City Trustees at their last meeting. The paving will be of the bitulithic type on a concrete base. The Trustees agreed that Dooty and Irwin streets should be paved from 8th street, where the paving now ends, to the county road. Harris and Redington streets are to be paved from 6th to Florida street. Seventh, Ninth and Tenth streets are to be paved to the Santa Fe Railroad.

Contracts Awarded.

SCHOOL—2 story and base, brick and concrete, \$48,100. Fresno, Fresno Co., Cal. Architects, Conates & Traver, Rowell Bldg., Fresno. Owners, City of Fresno. Contractor, James L. Daly, Griffith-McKenzie Bldg., Fresno. Contract price, \$48,100.

SCHOOL—1 story and base, reinforced concrete, \$6,863. Los Molinas, Tehama Co., Cal. Architect, Chester Cole, Waterland Bldg., Chico. Owners, Los Molinas School District. Contractor, W. Pearce, Monadnock Bldg., S. F. Contract price, \$6,863.

BRIDGES—Reinforced concrete. Cost as follows. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. Contracts for the construction of five reinforced concrete bridges to be constructed on county roads were awarded at the last meeting of the County Supervisors as follows: Bridge No. 47, Middle road, over San Luis Creek, W. H. McElroy, Merced, \$5,360; bridge No. 48, Baxter road, over Dutchman Creek, W. H. McElroy, \$1,530; bridge No. 49, Pate road,

over Marinosa Creek, Parlier & Green, Bakersfield \$1,487; bridge No. 50, State Highway south of Merced, W. H. McElroy, \$1,420; bridge No. 49, Pate road, over Canal Creek, Halverson & Gorda, Merced, \$1,260.

METAL FURNITURE—\$1,148.75. Merced, Merced Co., Cal. Architect, none. Owners, Merced County. Contractor, General Fireproofing Co., 444 Market street, S. F. Contract price \$1,148.75.

JAILS—2, 1 story, reinforced concrete. Cost not stated. Bakersfield, Kern Co., Cal. Architect's name not given. Owners, Kern County. Contractors, Ferguson & Rogers, Bakersfield. Contract price not stated.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING
LOTS 17 AND 18 BLK 50 K. B. Heights, Fresno. Dwelling.
Owner.....Kearny Blvd. Heights Co.
Architect.....None.
Contractor.....H. T. Humphreys, 530 Poplar St., Fresno.

COST, \$3,000

DWELLING
LOTS 21 AND 32 BLK 2, Windsor Terrace, Fresno. Dwelling.
Owner.....Guy Barracks, 901 Raisina St., Fresno.
Architect.....None.
Contractor.....Reese & Atkins, 743 Weldon St., Fresno.

COST, \$2,750

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME COTTAGE
ESMOND ST., bet. 26th and 27th Sts., Richmond. One-story frame cottage.
Owner.....H. Goodfellow and L. Thole, 418 22nd St., Richmond.
Architect.....None.

Contractor.....N. F. Jarrett, 2232 MacDonald Ave., Richmond.

COST, \$1,800

CONCRETE STORES
MACDONALD AVE., bet. 7th and 8th Sts., Richmond. One-story concrete (2) stores.
Owner.....W. A. Morehead, 312 W. Elm St., Lodi, Cal.
Architect.....J. T. Narbett, 9th & MacDonald Ave., Richmond.
Day's work.

COST, \$4,500

FRAME COTTAGE
THIRTEENTH ST., bet. Chanslor and Ohio, Richmond. One-story frame cottage.
Owner.....W. F. Morris, 4151 Fullington Ave., Oakland.
Architect.....None.
Contractor.....John Hachman, 4151 Fullington Ave., Oakland.

COST, \$1,500

FRAME COTTAGE
FIFTH ST., bet. Bissell and Chanslor Sts., Richmond. Frame cottage.
Owner.....John MacGrath, Alta Apartments, Richmond.
Architect.....None.
Contractor.....J. A. Fagestrom, 23 9th St., Richmond.

COST, \$1,800

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED **ACCEPTED**
Nov. 16, 1916—LOTS 10 AND 11 BLK 9 Central Addition, Fresno. Mae B Smith to whom it may concern.....
.....Nov. 16, 1916

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

SEWER CONSTRUCTION—\$967.70. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. The City Council received only one bid for the construction of a concrete storm sewer which will discharge in Yosemite Lake on the center line of Orange street, produced. The bid was that of W. S. Gause, 15 Park Way, Oakland, at \$967.70, which is 50 per cent above the City Engineer's estimate. The bid was taken under advisement.

BRIDGE FILL, ETC.—\$985. San Andreas, Calaveras Co., Cal. Engineer, County Surveyor, San Andreas. Owners, Calaveras County. Only one bid was received by the County Supervisors for the filling of the approaches to the concrete bridge between the towns of Railroad Flat and West Point. The bid was that of A. G. Roberts and George J. Porteous for \$985. The bid was rejected, and the work ordered done under the Day Labor system.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on November 28th at 11 a. m. for street work authorized under the following resolutions: That the alley first north of California Boulevard, in Elmhurst, in the city of Sacramento, be improved, from Helvetia avenue to Elmhurst avenue, by excavating a trench and constructing therein 8, 10, and 12-inch, vitrified ironstone pipe sewers.

That Marshall avenue, near California Boulevard, in Elmhurst in the city of Sacramento, be improved by excavating a trench and constructing therein an 8-inch, vitrified ironstone pipe sewer.

That Monterey avenue, near California Boulevard, in Elmhurst, be improved by excavating a trench and constructing therein an 8-inch, vitrified ironstone pipe sewer, backfilling the trenches; constructing right concrete manholes complete; one 6-inch, vitrified, ironstone flusher branch complete; placing fourteen 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer; placing fourteen 6-inch, vitrified ironstone Y branches on 10-inch pipe sewer.

That portions of 25th street be improved by grading the space between the property line and curb and constructing concrete sidewalks.

That the alley between Stanley avenue and Cluness avenue, and that the alley between Cluness avenue and Bird-sall avenue, and that the alley between Bird-sall avenue and Hartley avenue, and that the alley between Hartley avenue and McFarland avenue, in Wright & Kimbrough Tract No. 21, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer, five concrete manholes complete; placing 96 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer, and

doing all necessary excavating and backfilling of trenches.

That the easement granted to the city of Sacramento for the purpose of constructing therein a sewer on the southerly three feet of lots Nos. 115 to 173, inclusive, between 3rd avenue and 4th avenue, in West Curtis Oaks Addition, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; four concrete manholes complete; placing one flusher branch complete; placing 60 6-inch, vitrified, ironstone Y branches on 8-inch, vitrified ironstone pipe sewer, and backfilling the trench.

That the alley between Carmelo avenue and Manzilla avenue be improved by excavating a trench and constructing an 8-inch, vitrified, ironstone pipe sewer; two concrete manholes complete; placing 21 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and backfilling the trench.

That the three alleys between 2nd avenue and 3rd avenue in West Curtis Oaks be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer from the north line of 3rd avenue to a point 7 feet north from the south line of 2nd avenue, in each of the following named alleys: The alley first west of 22nd avenue; the alley between 22nd avenue and 23rd avenue, and the alley between 23rd avenue and 24th avenue, etc. Constructing six concrete manholes complete; placing 66 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer; placing two 6-inch, vitrified, ironstone flusher branches complete; replacing 450 square feet of oil macadam pavement, doing all necessary excavating and backfilling of trenches, and leaving streets and alleys in their original condition.

That the alley first south of 4th avenue in West Curtis Oaks Addition be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer; constructing five concrete manholes complete; placing 33 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and backfilling the trench.

That Central avenue in Oak Grove be improved by excavating a trench and constructing therein an 8-inch, vitrified ironstone pipe sewer; constructing one concrete manhole complete, and backfilling the trench.

STREET IMPROVEMENTS—Cost not stated. Marysville, Yuba Co., Cal. Engineer, City Engineer, Marysville. Owners, City of Marysville. Plans and specifications for macadamizing 3,000 feet of roadway beginning at the Simerly Slough bridge, one mile north of town, have been accepted by the Supervisors. An order to advertise for bids was issued. The probable cost of the road was not given.

FURNISHING CEMENT—Cost not given. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. Bids received by the Colusa County Supervisors for furnishing the county with cement have been rejected. Bids were received from the following firms: Henry Cowell Lime and Cement Company, the Diamond Match Co., the Pacific Portland Cement Company, Colusa Lumber Co.

SEWERS—Cost not stated. Eureka, Humboldt Co., Cal. Engineer, City Engineer, Eureka. Owners, City of Eureka. Plans and specifications were ordered prepared at the meeting of the

Eureka City Council for new sewers on L street between Buhe and Sonoma, in alley south of Harris street between D and E streets, and in C street between Grotto and Henderson.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commissioners have awarded a contract to Clark & Henery Construction Co. for the following work: That J street, from the west line of Ashby avenue to the east line of Apricot avenue be improved by constructing concrete curb; concrete gutter; placing cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; 6 and 8-inch, vitrified, ironstone sewer pipe drains; reconstructing existing concrete manhole; grading the roadway and constructing thereon an asphaltic concrete pavement consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic wearing surface 1½ inches thick, and filling in behind the curbs with earth for a distance of 8 feet.

STORM WATER SEWER—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. The Stockton City Council has passed a resolution awarding the contract for the construction of storm sewers from the intersection of Fifth street and McKinley avenue to the McDonald Canal to Whitlock & Gorrill, Menlo Park Bldg., S. F., they submitting the low bid for the work.

HIGHWAY IMPROVEMENT—Cost not stated. Marysville, Yuba Co., Cal. Engineer, County Surveyor, Marysville. Owners, Yuba County. County Surveyor Crook has been instructed by the Supervisors to prepare plans and specifications for the reconstruction of the Marysville-Oroville road through District 19 on modern ideas. Crook will also prepare plans for a drainage system in the Hallwood Irrigation District and adjacent territory to prevent further flooding of the county roads from water escaping from the rice rice fields of that section.

RESIDENCE—1 story and base, frame, \$1,000. Sacramento, Cal. Architect, none. Owner, Just Martin, 5030 Manzanita street, Sacramento. Location, Elmhurst. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SCHOOL—1 story and base, frame, \$18,000. Marysville, Yuba Co., Cal. Architect, Julia Moran, Merchants' Exchange Bldg., S. F. Owners, Marysville School District. L. C. Evans, Marysville, submitted the lowest bid for this work and will be awarded the contract. His bid was \$20,529, but some deductions will bring it down to \$18,000, the amount available.

Contracts Awarded.

SEWER CONSTRUCTION—\$2,826. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Contractors, Chambers & Heney, Bacon Bldg., Oakland. Contract price, \$2,826.

BRIDGES—2, timber structures, \$1,650. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Contractor, John Hamilton, Eureka. Contract price, \$1,650.

BRIDGE—Reinforced concrete. Cost as follows. Willows, Glenn Co., Cal. Engineer, County Surveyor, Willows. Owners, Glenn County. Contractor, W. L. Zumwalt, 119 North Tahoma street, Willows. The Mason bridge will cost \$2,550, the Lachenmeyer \$7,750, and the Hiram West, \$1,900. Work will be started immediately.

BRIDGES—Reinforced concrete and timber. Cost as follows. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. At the last meeting of the Tehama County Supervisors a contract was awarded to J. A. Witter for the building of the Oak Creek bridge. The contract price was \$7,775. Four contracts were let to Bohm & Lanning for that number of bridges over different points on the Lassen road. Contract No. 1 was for \$225, No. 2 for \$1,173, No. 3, for \$188, and No. 4 for \$352.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Street improvement contracts have been awarded under the following resolutions: That Carnegie avenue, from Freepoint road to the eastern line of the Western Pacific Railroad Company's right of way, be improved by constructing concrete curb, concrete gutter, 6-inch, vitrified ironstone sewer pipe drains; two concrete manholes complete; placing two cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; filling in behind the curbs with earth; constructing concrete sidewalks; grading the roadway and constructing thereon an asphaltic concrete pavement, consisting of a hydraulic concrete foundation 4 inches thick, an asphaltic cement flush coat, and an asphaltic concrete wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

That the alley between G and H streets be improved by reconstructing one concrete catch basin with sump complete with cast iron curb and cover; placing five linear feet of 6-inch, vitrified, ironstone sewer pipe; grading the alley and constructing thereon an asphaltic pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the McGilivray Construction Co., 717 Capitol National Bank Bldg., Sacramento.

That the alley between G street and H street, from 13th street to 14th street, be improved by constructing one concrete catch basin with sump complete, placing 5 linear feet of 6-inch, vitrified, ironstone sewer pipe; grading the alley and constructing thereon an asphalt pavement consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to A. Teichert & Son, Ochsner Bldg., Sacramento.

BUILDING CONTRACTS SACRAMENTO COUNTY.

ALTERATIONS
NO. 311 NINETEENTH ST. L & S in BUK K, L 3rd and 4th Sts., Sacramento. Painting, etc., for remodeling interior of building.
Owner.....Pastime Athletic Club,
712½ J St., Sacramento.
Architect...None.

Contractor G. E. Harvie, 221 T St.,
Sacramento.

COST, \$1500

ALTERATIONS

NO. 500 S ST., on W $\frac{1}{2}$ of N $\frac{1}{2}$ of Lot
1 S, T. 5th and 6th Sts., Sacramento.
Move building and place on new
foundation (Building to be moved
from No. 1222 10th St.)

Owner.....W. L. Da Roza, 1618 7th
St., Sacramento.

Architect...None.

Day's work. COST, \$1000

GARAGE

NOS. 210-12-14 N ST., on Lot 2 N. O. 2nd
and 3rd Sts., Sacramento. All work
for public garage with concrete floor
and galvanized iron roof.

Owner.....Clara M. Hanrahan, Fruit-
vale, Cal.

Architect...None.

Contractor...T. E. Clark, 817 U St., Sac-
ramento.

COST, \$2000

GASOLINE TANK

NO. 1520 F ST., on W 60 feet Lot 3 F,
G, 15th and 16th Sts., Sacramento.
Place gasoline storage tank in side-
walk.

Owner.....H. L. Briggs, 1520 F St.,
Sacramento.

Architect...None.

Day's work. COST, \$2200

PAVEMENT, ETC.

W LINE 30TH STREET on Y street to
a point about 100 feet S 4 of S line
of Magnolia Ave on Y street and
Sacramento Ave., Sacramento. Flr
pavement with a flush coat and 1 $\frac{1}{2}$
inches of sheet asphaltum.

Owner.....Pacific Gas & Electric Co.,
11th & K Sts., Sacramento.

Architect...None.

Contractor...Clark & Henery Constr.
Co., Ochsner Bldg., Sac-
ramento.

Filed Nov. 14, '16. Dated Nov. 11, '16.
COST, 7 $\frac{1}{2}$ cts. per sq. ft.

DWELLING

RINCON AVE, Lot 2822, Elmhurst, Sac-
ramento. One-story 3-room and bath
dwelling.

Owner.....A. J. Senna, 2216 11th St.,
Sacramento.

Architect...None.

Contractor...C. J. Hopkinson, 1313 25th
St., Sacramento.

COST, \$955

GARAGE

NO. 2416 I ST., Sacramento. All work
for private garage.

Owner.....W. A. Green.

Architect...None.

Contractor...G. E. Harvie, 2212 T St.,
Sacramento.

COST, \$350

STABLE

E $\frac{1}{2}$ LOT 6 C, D. 8th and 9th Sts., Sac-
ramento. Two-story stable building.

Owner.....Kane & Trainor, 6th St.
Cor. F, Sacramento.

Architect...None.

Contractor...The McGilivray Constr.
Co., 1007 7th St., Sac-
ramento.

Filed Nov. 15, '16. Dated Nov. 11, '16.
COST, \$6270

FRAME DWELLING

LOT 3022, Elmhurst, Sacramento. One
story frame dwelling.

Owner.....Just Martin, 5030 Manza-
nita St., Sacramento.

Architect...None.

Day's work. COST, \$1000

NOTICE OF NON-LIABILITY.

SACRAMENTO COUNTY.

RECORDED ACCEPTED
Nov. 15, 1916—NW $\frac{1}{4}$ OF SE $\frac{1}{4}$ OF
Sec T 8 R 4, Sacramento. M E
Strait to whom it may concern....

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

BANK BUILDING

LOTS 9 AND 11 BLK east of
Center St., Stockton. All work for
furnishing, installing and completing
all interior and exterior ornamental
iron and bronze work for 9-story
bank and office building.

Owner.....Farmers' & Merchants'
Bank.

Architect...Geo. W. Kelham, Sharon
Bldg., San Francisco.

Contractor...Rudger Merle Co., 198
Bay, San Francisco.

Filed Nov. 9, '16. Dated Nov. 4, '16.
On 1st and 15th of each month 75%

36 days after.....Balance
TOTAL COST, \$13,750

Bond, \$6875. Surety, Fidelity & De-
posit Co. of Maryland. Limit, Dec. 20,
1916. Amount of damage. Plans and
specifications filed.

ALL PLUMBING WORK ON ABOVE

Contractor...Frederick W. Snook Co.,
596 Clay, San Francisco.

Filed Nov. 9, '16. Dated Nov. 4, '16.
On 1st and 15th of each month 75%

36 days after.....25%
TOTAL COST, \$10,825

Bond, \$5412.50. Surety, The Aetna Ac-
cident & Liability Co. Limit, Jan. 1,
1917. Forfeit, amount of damage. Plans
and specifications filed.

ALL SHEET METAL WORK ON above.

Contractor...Forrester Cornice Works,
269 Potrero Ave., S. F.

Filed Nov. 9, '16. Dated Nov. 8, '16.
Payments same as above.....

TOTAL COST, \$5100

Bond, \$2700. Surety, United States Fi-
delity & Guaranty Co. Limit, start on
cashes not later than Dec. 26, 1916.
Forfeit, amount of damage. Plans and
specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA

BRIDGE—Reinforced concrete. Cost
not stated. Ventura, Ventura Co., Cal.
Engineer, County Surveyor, Ventura.
Owners, Ventura County. Bids will be
opened on December 5th at 11 a. m. for
the construction of Wheeler Canyon
bridge on Foothill road, three miles
from Haines Siding, Ventura County.
The work consists of one 30-foot bridge
consisting of one new rubble masonry
abutment with timber deck and all the
necessary earth fill, guard fence, gutter
drains, etc.

STREET IMPROVEMENTS—Cost not
stated. Santa Ana, Orange Co., Cal.
Engineer, County Surveyor, Santa Ana.
Owners, Orange County. Bids will be
received by the Board of Supervisors
up to 2 p. m. of December 6th for con-
structing 2.53 miles of 18-foot wide
concrete pavement between Brea and
Olinda, in accordance with plans and
specifications, obtainable from the
County Surveyor upon deposit of \$3, to
be returned. Certified check for 5 per
cent required. W. B. Williams is the
County Clerk.

DIRECT TO YOU

Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor
what quantity of each you may need for immediate delivery, you can depend
upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled
with fair prices as our standard. We have the quantity and the variety on hand for
immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

BRIDGE—Reinforced concrete. Cost as stated. San Luis Obispo, San Luis Obispo Co., Cal. Engineer, County Surveyor, San Luis Obispo. Owners, San Luis Obispo County. All bids received by the County Supervisors for the construction of a bridge on the Polytechnic School road have been rejected. The bids were as follows: Theo. M. Maino, \$3,145; W. L. Gilham & Sons, \$2,926; Midland Bridge Co. of Kansas City Mo., \$5,200.

STREET PAVING—Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Sealed bids will be received by the Clerk of the Board of Supervisors until 2:30 p. m. December 5, 1916, for the paving of Casitas, La Crosse, Montalvo, Saticoy and Sese bridges. The work consists of 45,000 square feet of paving with asphalt concrete (Warrentite). Plans and specifications are on file in the office of the Clerk of the Board of Supervisors and in the office of the County Surveyor. J. B. McCloskey is the Clerk.

Contracts Awarded.

HOSPITAL COTTAGE—1 story, frame and concrete, \$36,536. Patton, San Bernardino Co., Cal. Architect, State Architect George B. McDouall. Sacramento. Owners, State of California. Contractors, Cresmer Mfg. Co., Riverside. Contract price, \$36,536.

HIGHWAY CONSTRUCTION—\$29,349. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Contractors, Brashear-Burns Co., Van Nuys Bldg., L. A. Contract price, \$29,349.

PORTLAND AND OREGON

STORES AND LOFTS—3 story and base, mill construction, \$30,000. Portland, Ore. Architects, Houchaling & Dougan, Henry Bldg., Portland. Owners, Rodney and Burnside, Contractors, Trenchall & Parelius, Builders' Exchange, Portland. Contract price, \$30,000.

SEATTLE AND WASHINGTON

APARTMENT HOUSE—3 story and base, brick and steel, \$70,000. Seattle, Wash. Architect, R. Hamilton Rowe, Northern Bank Bldg., Seattle. Owners, Securities Construction Co., Securities Bldg., Seattle. Location, 1th avenue and Bell street. Will contain 15 apartments of two, three and four rooms. Plans complete and figures being taken.

POST OFFICE—2 story and base, brick and stone. Cost as follows. Wenatchee, Wash. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids opened by the Treasury Department for the construction of the U. S. post office at Wenatchee resulted as follows: First figures, limestone; second figures, sandstone; Pacific States Construction Co., \$99,763, \$101,323; Welch Bros. & Hanniman, \$86,333, \$86,323; Olson & Johnson, \$85,695, \$87,195; W. D. Lovell, \$81,483, \$81,183; Hennricksen & Co., \$79,698, \$80,798; W. H. Maxwell, \$95,860, \$97,700; T. E. Young, \$87,000, \$87,000; John Wallin, \$78,092, \$80,521; Puget Sound B. & D. Co., \$87,100, \$87,300; Sound Construction Co., \$79,634, \$81,631. T. E. Young, John Wallin and the Puget Sound Bridge and Dredging Co. also bid \$88,000, \$80,300 and \$88,900 on Wilkeson Sandstone, respectively. John

Wallin, 850 South Fifth street, Tacoma, is apparently the low bidder.

MARKET—1 story and base, brick, \$10,000. Seattle, Wash. Architect, H. Buchinger, Seattle. Owners, Frye & Co. Contractor, Martin Schuehle, 9316 7th avenue, South Seattle. Contract price, \$10,600.

FIGURES OPENED FOR BENICIA STORE HOUSE.

R. S. K. MacMillen Presents Lowest Figures for Government Job at Benicla Arsenal.

Bids were opened at the Benicia Arsenal Tuesday morning for the construction of a two-story reinforced concrete storage building, designed by Architect Chester H. Miller, Oakland. R. S. K. MacMillen, 153 Duncan street, San Francisco, presented the lowest figures at \$21,600 for the building and a tramway, and \$19,270 for the building without the tramway. Following is a complete list of the bids:

Store House, Benicia.	
Gutleben Bros.	\$25,292
Trevia & Pasqualetti.....	23,960
W. N. Concanan Co.....	25,446
O. Monson	27,587
Macrea & Layaz.....	25,990
Grace & Bernieri.....	23,495
Pringle-Dunn & Co.....	26,295
L. G. Berger & Son.....	24,272
R. S. K. MacMillen.....	21,600
	19,270

RECEIVE FIGURES FOR MELROSE SCHOOL HOUSE.

All Bids Referred to Legal Department And Award of Contract to be Made at Monday's Meeting.

The following figures were opened by Trustees of the Melrose Heights School District on Monday night for the construction of a two-story frame addition, designed by Architect John J. Donovan, Perry Bldg., Oakland. All bids were referred to the legal department and another meeting of the Trustees will be held on Monday next at which the contract will be awarded. Following is a complete list of the bids received:

Melrose Heights School Addition.			
Bidder	No. 1	No. 2	No. 3
Schnebley, Hostraw-ser & Pedgriff.....	\$13,603	\$1,174	\$1,605
Peter M. Schmidt....	12,950	1,590	1,900
W. T. Thornally.....	13,285	1,326	1,700
G. S. Armstrong.....	11,949	1,250	1,709
F. T. Bignami.....	12,570	1,087	1,654
Robert Glaze	12,835	2,310	1,990
R. W. Littlefield.....	12,765	1,250	1,750

CHINESE RAILWAY EXTENSION.

The contract, between the Chinese Government and American interests for the building of more than 1000 miles of railway is the second large scheme of railway extension entered upon during the present year in China, after a two years' suspension of activity brought about by the war. There are now 6,467 miles of railway in operation, with 2300 miles under construction, though "construction" has made very little progress in the last two years. Altogether, the Government's railway program calls

for 14,500 miles of railway, of which 6000 miles will be begun when the state of the international money market permits. Concessions have been distributed among all the powers. Since 1913 contracts provide for nearly 2000 miles of railway under French supervision, 2100 miles under British supervision, several hundred miles in Shantung under German supervision, a Japanese extension of fifty-two miles in Southern Manchuria and 660 miles of Russian lines in Northern Manchuria. The first contract was signed in March. The balance sheet for the Chinese Government railway in 1915 showed a profit of more than \$8,000,000 in receipts of a little more than \$5,000,000.—New York Evening Post.

INCREASING CALIFORNIA EXPORTS TO CENTRAL AMERICA.

How the factories of California may largely increase the exports of their goods to countries on the west coast of the Central American republics, showing the natural advantages that would help factory owners of this State to secure the business of those countries which is now beginning to go to eastern states manufacturers, will be told at the luncheon meeting of the Home Industry League of California, on Thursday, November 16, at the Palace Hotel. The general public is invited by the League to be present.

The speaker will be the Hon. C. A. Harp, who has just returned to his Oakland home after an extensive business visit to those countries, and who will deliver the talk under the auspices of the Foreign Trade division of the United States government department of commerce.

Mr. Harp will show how big a business there is available in those places today for California builders of small boats, gasoline and kerosene engines, and makers of the accessories; how a second Singapore is going up rapidly, on account of the Panama Canal, on the peninsula of Osa, and how California manufacturers can grasp the opportunity of establishing supply depots there.

The imminent decision to build a new trans-continental canal, through Nicaragua, to accommodate the overflow of business through the Panama Canal, will also be explained by Mr. Harp, who will illustrate his talk with newly-taken pictures of the principal places and industries concerned.

WESTERN TOUR OF PROMINENT LUMBER MANUFACTURERS.

CHICAGO, Ill., Nov. 5.—Formal announcement has been made of the detailed plans for the western tour of prominent eastern lumber manufacturers, under the auspices of the National Lumber Manufacturers Association. The trip will be by directors or the national association to Washington, Oregon and California, and is intended to secure suggestions for the improvement of present plans for the national campaign for the promotion of the use of lumber, both through educational channels and by magazine and newspaper publicity. All of those making the trip are manufacturers who have learned from experience the value of newspaper advertising.

It has long been felt that the coast

manufacturers should be able to give valuable suggestions from their wide experience on best methods of promoting the use of wood, and the trip of the eastern directors of the association is with the two objects of getting these suggestions and of telling the westerners what is already being accomplished.

The schedule of the trip follows:

Spokane, Monday and Tuesday, Nov. 13 and 14.

Seattle, Wednesday and Thursday, Nov. 15 and 16.

Tacoma, Friday and Saturday, Nov. 17 and 18.

Portland, Monday and Tuesday, Nov. 20 and 21.

San Francisco, Thursday and Friday, Nov. 23 and 24.

The first day of each day's stay in a city will be devoted to conferences, the second day to completion of these conferences and to the inspection of logging and manufacturing in each locality. It is expected that some of the western lumbermen may make the trip from Spokane to San Francisco with the easterners, or at least make part of the trip.

The number in the party is not as yet definitely known. It is certain that President R. H. Downman of New Orleans, of the national association will head the party. With him will be C. S. Keith, of Kansas City, president of the Southern Pine Association; R. B. Goodman, Goodman, Wis., head of the promotion bureau of the hemlock manufacturers, whose efforts resulted in a \$25,000 annual appropriation for the advertising of that wood in three northern states; and A. R. Turnbull, president of the North Carolina Pine Association, which is also doing much to promote the sale of lumber in the east. Mr. Downman was the pioneer in lumber advertising, having promoted the first big lumber campaign, that for cypress. Mr. Keith was a leader in the movement for advertising southern pine, and the success of newspaper advertising will be only one of the phases to be discussed by these gentlemen when they visit the west.

Several other directors of the national association have tentatively promised to make the trip, but have not as yet been able to definitely arrange their personal affairs to make the trip.

NEW LOS ANGELES FACTORIES.

LOS ANGELES—Twelve new industries were established in Los Angeles during September, according to the monthly report of the industrial bureau of the Chamber of Commerce. The new industries are, Aeroplane factory, artificial flowers, fancy cakes, auto supplies, ironing boards, caskets, boiler compound, wall and closet beds, bed products, mops, wrenches, riding bits and spurs. In addition to the foregoing Industrial Commissioner A. W. Kinney visited 43 manufacturing concerns; interviews were held at the bureau with 249 individuals who were furnished with industrial information and 17 factory prospects were taken under consideration.

BOX FACTORY PLANNED.

EUREKA, Cal.—A new industry for Eureka, which may in time prove one

of its large manufacturing establishments, and which has the financial backing of local men, is the box factory and moulding mill which will within a short time commence operations in the building known as the Eureka Mechanical Shop on Washington street.

The capitalization of the firm is not known although it is understood to be considerable. The president of the new company is W. T. Crane, the secretary, P. McKenzie, and the manager, J. E. Shields, formerly of the Cottrell Moulding Mill. Other men interested in the factory are Samuel Broderick, shingle manufacturer; W. A. Hepler and A. Tomlinson.

Much of the machinery now in the mechanical shop will be utilized for the moulding mill and machinery to be used in the manufacture of boxes is expected soon.

For the manufacture of boxes it will be necessary to have spruce lumber brought here. The firm expects a shipment of 200,000 feet of spruce from the north within a short time. This is taken to mean that it will be but a matter of a few weeks until operations are actually commenced.

It is understood that with the commencement of operations about 18 or 20 men will be employed. Later, however, this force is expected to be considerably larger.

PLANS FILED FOR STATE BUILDING.

At noon yesterday forty sets of competitive plans had been filed at Sacramento for the new State Building to be erected in the Civic Center. The time for receiving plans closed Wednesday night at midnight. Probably at least ten more sets of plans will be received.

SCARCITY OF ELECTRIC MATERIALS REPORTED.

Owing to the scarcity of electric materials, applications for electrical inspection filed with the Department of Electricity have fallen off considerably the past few days.

Many contractors complain of the shortage of number 12 and 6 wire while others speak of the lack of bushings. The Superintendent of Wiring of the Gas & Electric Appliance Co. states that they know of no scarcity although the price has somewhat advanced, and with the exception of number 6 wire they have no difficulty in filling their orders.

Yesterday up to 2:15 P. M. 24 wiring applications were filed with the Department as against 1 fixture applications.

HOUSES NO LONGER COMPLETE WITHOUT GARAGES.

Fifty years ago nearly every gentleman who could afford a horse had one, and outside of congested centers there was a stable in connection with most residences. Society is returning by another lane with a different vehicle to that same state of mind, and real estate developers and investors must take that fact into their calculations. Even if a buyer does not wish to keep a car, he will be wise if he looks ahead to the time when he may possibly wish to

dispose of his property quickly, for the public taste in this direction is certain to extend and continue indefinitely, because the automobile combines both utility and pleasure, the same as the horse. The automobile, in a word, has become a fixed and permanent part of the home life. Nearly every man who thinks of having a house of his own includes a garage in his thoughts. The city planner or landscape architect who does not make a place for it in his scheme is behind the times.—Improvement Bulletin.

SALVAGE OF SUNKEN SHIPS.

RIO DE JANEIRO, Brazil.—Interest has been aroused here in technical circles by a recent lecture at the Club de Engenharia (Engineers' Club) of Rio de Janeiro, by Dr. Sylvio Pellico Portella, concerning his invention for the salvage of sunken ships. It is claimed by him that the invention is applicable to ships sunk at almost any depth, so long as divers are able to reach them, and that it is effective in putting a wreck afloat, no matter what its position on the sea floor.

The invention consists of a tender of special model, which is equipped with floats of waterproof material. These are neatly folded, but later when inflated with air they assume all sorts of shapes—parallelopipeds, spheres, cylinders, etc. They are carried down by divers and attached to various portions of the sunken vessel, both within and without, still retaining their connection by means of hose with the tender ship. When all are properly fastened in place they are inflated by air pressure from above, like the tires of an automobile. As they swell they are said to gradually displace the water within and about the wreck, and it is said that by their own buoyancy they float it to the surface.

The claim is made that the invention had two trials in Paris.

INCREASED SALES OF AMERICAN HARDWARE IN PERU.

Conditions produced by the European war have been particularly favorable to American hardware manufacturers in the markets of Peru. Their position there has been considerably strengthened, even in the face of curtailed purchases during the war period. The United States already occupied a favorable position, for in the normal year 1913 Peru's imports of that class of goods were valued at \$2,617,007, and of the total amount this country furnished \$1,040,749 worth. England's share was \$852,357, and that of Germany was \$479,964. These were the nearest rivals.

A report on sales of American hardware in this South American country has been published by the Bureau of Foreign and Domestic Commerce as the third of a series on the hardware markets of the world. It emphasizes the fact that the excellent reputation for quality previously established for our hardware has greatly assisted American manufacturers and exporters in the Peruvian field since the war started.

This third report in the series, like the first two, is concerned with the general conditions governing the hardware trade and with the practical details concerning the sale of each particular article of hardware. Among the chapters are: Extent to which

NATIONAL SERVICE APPROVED BY MEN OF THE BORDER.

Chief of Staff Writes Secretary of National Service Telling of Support of the Movement.

Headquarters Seventh Division, National Guard, Camp Stewart, El Paso, Texas.

November 6, 1916.

Mr. H. H. Sheets,
Secy. & Treasurer, Ass'n. for National Service,
Metropolitan Bank Bldg., Washington, D. C.

My dear Mr. Sheets:

I am in receipt of your favor dated October 31, 1916, and also clippings and reports showing the nation-wide campaign your Association is waging for National Service. The term National Service is certainly well chosen, for if we are ever going to have preparedness in its broader sense, we must have better service from our Government officials and employees generally; each citizen must be interested in, and fully acquainted with this Government and be willing to serve it if needed, either in a civil or military capacity.

Over ninety-nine per cent of National Service will ordinarily be rendered in time of peace. A very large percentage must be rendered in civil pursuits, if we understand the term National Service correctly. It involves a higher standard of citizenship and a higher standard of living in both peace and war.

There is no question but that there is growing up throughout this country today a strong party of younger men who are going to demand higher efficiency in Government. The American, who has led his competitors so generally throughout the world in civil pursuits, is not going to remain satisfied with a poor system of National Defense developed by a Government simply drifting along the line of least resistance. I do not say this in criticism of any particular Government, for, as you know, we have always lacked a military policy.

The troops with whom I am serving have made an enviable record on the border, yet there are many soldiers here who have no moral right to be serving with the colors as long as there is no National emergency upon us and as long as there are thousands of stalwart young men at home free from responsibilities and entirely available for service. Married men and older men with responsibilities should be called only in the event of an emergency when the younger men have gone before them, and they should not be called until actually needed families of married soldiers who have come to the border are well known to the Department. The experience of this Division has demonstrated that the truest patriotism has been shown by those with greatest home responsibilities. If those who can best afford to be at the front are to be made available, there must be some system of compulsion.

Before us, Nations have tried to establish systems of National Defense without including in them a positive means for bringing forward the necessary human element, but it cannot be done. When our citizens learn that this Government of the people must be supported by the people each in proportion to his worldly goods, his age and his strength, then will we have preparedness in its broadest sense, and this Nation can proceed safely along its course. A Nation which will not eventually discipline itself up to such a standard cannot long endure.

I appreciate the great work your Association is doing under the efficient leadership of General Young and yourself, and I thank you for the support you have given my Bill for National Service.

With very kindest regards, believe, me,

Very sincerely yours,

(SIGNED)

GEORGE VAN HORN MOSELEY,
Chief of Staff,
Seventh Division, National Guard

GOVERNMENT PUBLICATIONS FOR SALE.

The following were among the publications received in stock for sale by the Superintendent of Documents at Washington during the week ended November 4, 1916:

Peruvian Markets for American Hardware (Foreign and Domestic Commerce Miscellaneous Series 29).—Official statistics showing what articles of hardware were imported by Peru from the United States, Great Britain, Germany, France, and Belgium in 1913 and 1914, with practical suggestions to American manufacturers looking toward the expansion of their trade. Price, 10 cents.

Markets for American Hardware in Chile and Bolivia (Foreign and Domestic Commerce Bureau, Miscellaneous Series 41).—Field survey by United States commercial experts of the Chilean market, giving detailed information for practically all the important articles included under the term "hardware," for which there is a promising field for American manufacturers. Price, 25 cents.

WHY BUILDINGS OCCASIONALLY COLLAPSE.

"A number of so-called wall bearing wooden-beam construction buildings, are being continuously erected in large cities, which are not safe," writes William K. Kramer in the New York Times.

This is due to various reasons, such as: speculative builders trying to beat the high cost of labor and materials by cutting the work and slighting specifications and building code, lack of inspection on the part of owners and authorities, and, in many cases, utter lack of experience on the part of the builder.

"On speculative work any man or group of speculators can organize what is called a building company. The usual method is to purchase ground and arrange for a loan, buy a set of plans, and proceed with the letting of subcontracts, peddling them to the lowest bidders and driving hard bargains. In most cases the construction com-

pany does its own mason and carpenter work, that of course, is done as cheap as possible, mortar usually is of a poor quality, consisting of sand with about half the proportion of lime and cement called for in the code, time often is lazily staked and used before it has had time to cool and season. The bricks are generally laid without wetting, and the result is no tensile strength or bond between mortar and brick.

"When a story height is reached the beams are slapped on green walls, sometimes another story is erected in eight hours thereafter. I have seen numerous cases where the wall anchors that secure walls to floors were omitted, purely due to negligence. On a steel skeleton construction the risk is much less, as the frame will hold the building together even if carelessness is used on mason work.

"There are hundreds of so-called contractors who have had little experience in building. This condition can be remedied by legislation compelling examination for qualification, strict inspection and impartiality by the building department and more superintendence by architects instead of merely drawing up and selling plans and specifications. Unless we have reforms like these the high cost of material, labor, and the speculator's desire to make big profits and quick turnovers are going to injure the building trade even more than they already have done. I have had eighteen years' practical experience as a mason and building superintendent and know these conditions are true."

CHIMNEYLESS HOUSES.

The utilization of electrical current is destined to be the true obviate of the smoke evil in cities. This is not a fanciful conceit. In Scotland, where dollars are by no means disregarded, there is already a town lighted and heated by electricity. To quote from the Electrical World: "Bungalows without chimneys, completely equipped for electric heating, cooking and lighting, are features of a new 'electrical garden suburb,' as it is called, at Drumbreck, near Glasgow, Scotland. The houses of this interesting settlement are of four, five and six rooms, and are finished in stucco and roofed with asbestos tiling. These dwellings were designed particularly for all-electrical service, and the absence of chimneys adds, indeed, to the simplicity and symmetry of the architecture."

WOOLAND MAY GET MILK CONDENSARY.

WOOLAND (Yolo Co., Cal.) A \$75,000 milk condensary is a live prospect for Yolo County. A company that owns and is now operating three condensaries, two in Utah and one in Idaho, is desirous of establishing a one in California, making a chain of four plants.

The statement was made at the Farm and Town Club that the company is prepared to invest from \$75,000 to \$150,000 in the enterprise according to the volume of milk it is assured of obtaining. A committee conversant with the subject was appointed to make a canvass to determine whether the required number of cows can be secured within a reasonable time.

Hardware is used: General factors affecting American trade: Features of goods that win favor: System of conducting trade: Methods of entering markets: Packing: Credit information: Usual method of financing sales: and 15 chapters on particular lines of hardware, such as artisans' tools and supplies, mining tools, agricultural hardware, cutlery, builders' hardware, and shelf hardware.

"Peruvian Markets for American Hardware." Miscellaneous Series No. 39, contains 61 pages, and may be purchased for 10 cents from the Superintendent of Documents, Washington, D. C., or from the district offices of the Bureau of Foreign and Domestic Commerce.

PERUVIAN STEAMSHIP LINE OPENS OFFICE IN COLON.

COLON, Panama, Oct. 20. The Peruvian Steamship Co. (Compania Peruana de Vapores y Dique de Callao) has established its own agency on the Isthmus of Panama, with its head office in Colon, where communications should be addressed to the general agent of this company. It has opened an office also in the city of Panama. The Peruvian Line maintains a service between Cristobal, Canal Zone, and West Coast ports as far south as Callao, with sailings each way about once a week.

ARCHITECTURAL FEATURES IN DESIGN.

Engineers in this country should exert more influence in the development of architecturally pleasing effects in the design of structures than they have done in the past. Frequently the pressure brought to bear upon them by owners or officials of corporations and municipalities who control the design of engineering construction and insist upon mere utility and, sometimes, upon lowest first cost, is hard to resist. It is encouraging to note cases in which this pressure has been successfully resisted and overcome. Engineering work should not be wholly utilitarian. In all cases where natural surroundings require it, where the consistent development of a great architectural plan is possible, or where the presence of appreciative observers is probable, the element of general architectural appearance should be given consideration. We are still far behind European engineers in this respect. Surely the great natural wealth of this country can be better applied in this direction than we have yet succeeded in applying it.—Engineering Record.

BUSINESS HOUSES IN AMERICAN SAMOA.

Commercial Agent E. G. Babbitt has forwarded from San Francisco a list of general stores in Pago Pago, Leone, and Manu'a American Samoa, that was furnished him by the governor of that territory. This list may be had by interested manufacturers and exporters upon application to the Bureau of Foreign and Domestic Commerce or its district and co-operative offices. Refer to file No. 164.

FOREST FIRE SEASON ENDS IN WEST AND BEGINS IN EAST.

WASHINGTON—Although final figures are not yet available, reports received by the Forest Service indicate that the forest fire season in the West and North is practically at an end. At the same time, say the officials, the fall fire season is just beginning on the National Forests in the Southern Appalachian.

The difference in the occurrence of the fire seasons, it is explained, is caused by the difference in the character of the forests and of the climate in the two regions. In the North and West the forests are composed almost entirely of conifers and are located at comparatively high altitudes or high latitudes. The greatest fire danger in these regions, the foresters say, occurs during the late spring and summer months, when the rainfall is light. During the rest of the year, there is, as a rule, enough rain and snow to prevent fires from starting. On some of the forests in southern California, however, the fall rains are sometimes late in coming and the fire-fighting organization must often remain on duty until late in November.

In the Southern Appalachians, however, the situation is practically reversed. The forest is largely composed of hardwoods and the heaviest rainfall occurs in the spring and summer and about two months in late winter. As a result, there are two distinct fire seasons. The first of these occurs in the fall, when there is usually little rain and the ground is covered with the dry fallen leaves, which are very inflammable. The fall fire season lasts until about December 15, when the winter rains set in. In the later winter months, the woods dry out and in February or March the spring season begins, and continues until the spring rains come or the trees and plants put out new leaves and become too green to burn readily.

A fire in the spring is much more disastrous than at any other time of the

year, according to the foresters. The new shoots on the trees are very tender and easily injured, and if a fire occurs after the "sap starts," it usually kills all the young trees and many of the older ones in the forest. While timber is always damaged by a fall fire, unless the fire is severe many trees will put out new growth in the following spring.

In the West, it is reported, snow has fallen in many localities and the Forest rangers are taking up other duties and are enjoying the let-up in the arduous work of fire fighting. The rangers in the East, on the other hand, are making their final plans for the coming season and are starting their patrol.

SIAMESE HARDWOODS.

In Siam the rosewoods are worked more particularly from the regions lying northeast and east of Bangkok and are exported in the form of roughly trimmed round logs, the average size of which is 12 to 24 inches in circumference and 80 to 120 inches in length. The rosewood forests have been heavily overexploited, and as the Siamese government is now taking measures to protect this wood by requiring workers to take out permits and by fixing a minimum girth at which it may be felled, restriction in general output is likely to ensue. The ebony woods are found to the west of Bangkok in the district of Kanburi, Petchaburi, and to the south toward the Malay peninsula. They also are exported in the form of roughly trimmed logs 12 to 20 inches in circumference and 80 to 120 inches in length.

The exploitation of these woods is not a regular industry in Siam, but forms one of the desultory occupations of the people when they are not engaged in rice growing. The wood is bought by Chinese, who are either middlemen or agents of Bangkok Chinese firms, and, as it will not float, it is brought to Bangkok by boat or by train. It is sold by weight, the unit for export being usually 100 piculs

Two Fine Building Lots, N. Cragmont Berkeley for Sale.

These lots command an unobstructed panoramic view of Oakland, Berkeley and San Francisco Bay. Convenient to cars.

New homes being erected on all sides. Both lots 40 feet front and varying depths of 140 to 200 feet. Street work and sidewalks done. Gas and electricity to lot line.

Address C. F. E., care this office.

Letter Heads, Envelopes, Etc., neatly printed.

Builder Printing Co.

Tel. Douglas 2372

(about 6 tons), and the average price in Bangkok ranges from £23 10s (\$109.50) to £37 10s (\$182.50) for rosewoods and about £22 10s per piculs for ebonies. The ebonies are apparently more uniform in quality than the rosewoods. None of these woods appear to be dealt with in Bangkok in the sawn form.—The Timberman.

SAFEGUARDS IN BUILDINGS.

The man who intends to build will not take heed of the man who has had an unfortunate experience in building, because he feels that he is shrewd enough to look after his own interests and safeguard his own rights, notwithstanding the fact that he is engaging for the time being in a business enterprise that is totally foreign to him. If he sets out to buy a five cent loaf of bread he gets a loaf of bread for 5 cents. If he sets out to build a residence for \$25,000 there are no good reasons why he should not be able to do it for that amount. He should definitely know two things—first, exactly what he is going to get for the price he expects to pay and, second, the outside limit of cost for the completed structure. To demand these safeguards is perfectly fair and natural, for in every phase of business today, except building, one knows just what the cost of any specified piece of work will be.—Noble Foster Hoggson in Countryside Magazine.

SACRAMENTO BUILDING TOTALS.

SACRAMENTO, Cal.—The report of William B. Rohl, City Building Inspector, for the month of October, 1916, shows an increase of twenty-one per cent in building activity over the same month of the preceding year. During the month just passed 160 permits were issued calling for an expenditure of \$120,162 in new and reconstructed buildings as against 120 permits and an aggregate of \$99,277 as the expenditure for October, 1915.

ENGINEERING WORKS SOLD.

OAKLAND, Cal.—The Gorham Engineering works, located near the Park street bridge, in East Oakland, has been purchased by the Skandia-Pacific Oil Engine Company. The net price is approximately \$100,000. The deal was closed recently, and it is understood the plant will be greatly enlarged to take care of the present orders, and for the future building of the celebrated Skandia-Sem-Diesel engines, the exclusive American rights for which are held by this concern.

The larger owners of the new concern are J. Hyerdahl Hansen of San Francisco, and J. Lindeborg, president of the Pioneer Mining Company of Alaska, and head of the Scandinavian Bank of Seattle. The new concern holds contracts to the extent of \$500,000 for engines.

The Gorham concern, which established this industry, was incorporated in 1912 for \$50,000 and the assets are worth \$150,000. W. P. Gorham a resident of Alameda, is the president, and his son, W. R. Gorham, has been resident manager. The new company is incorporated in Nevada for \$1,000,000.

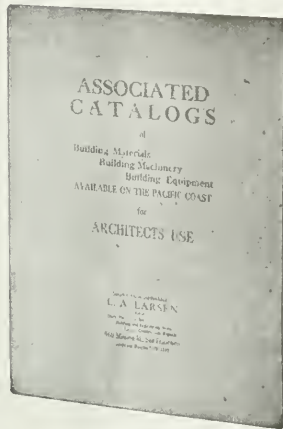
Associated Catalogues.

Here is where the Architect usually files the circulars, catalogues, announcements, etc., that come to his office. He can't take care of them. There are too many of them.

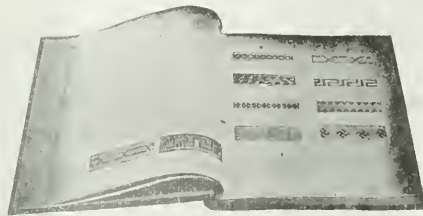


the Remedy:

Associated Catalogues is a collection of catalogues of Building Materials, Building Equipment and Building Machinery available on the Pacific Coast, bound in one volume, thoroughly indexed for instant reference for Architects use.



Every Architect, Consulting Engineer and Large Corporation Purchasing Agent on the Pacific Coast will receive a copy Free. When



Size of pages, 11x14 inches.

the Architect is preparing his plans and specifications, he wants to know how to specify your goods. It's up to you, Mr. Dealer, to make it easy to specify your products.

Associated Catalogues presents the solution. Price per page \$30.00.

Send for specimen pages.

L. A. LARSEN, Publisher

560 Mission St.,

San Francisco

Branch Offices: Los Angeles, Seattle, Portland.

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

CONSTRUCTION WORK ABROAD.

HONOLULU.

Contract Awarded for Nurses' Home.

The Pacific Engineering Company has been awarded the contract to build the nurses' dormitory at the Children's Hospital. Its bid was \$21,987, and, according to the agreement, the building will be finished within five and a half months.

The structure is to be entirely of concrete and modern in every respect. A feature of the building is a large sleeping porch on the second floor at the rear, where all the nurses will sleep, using their rooms only for the purpose of dressing.

HONOLULU.

To Start Sewer System at Schofield.

Officers of the quartermaster's department, Hawaiian department, state that plans are practically completed for calling for bids on the big sewer system at Schofield Barracks, which will mean an expenditure of practically \$40,000. Plans for the system have been under way for seven years, but not until a few weeks ago was an appropriation set aside for the work.

Bids are also to be called for soon on material for 18 officers' quarters, four field officers' quarters and five ready-made houses. Rock crushers and planing mills for the work of construction about to begin under the recent appropriation will be erected as soon as bids have been received and considered.

FAST ELECTRIC TRAINS TO SACRAMENTO

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
*9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
*1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

* Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.

OAKLAND, ANTIOCH & EASTERN RAILWAY
Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. P.'s People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; telephone Oakland 1725.

STOP Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VALUE TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

To the Building and Engineering News 560 Mission Street, San Francisco

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____

Cut this out and mail to-day

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 48

Publication Office,
500 Mission St.

San Francisco, Cal., November 29, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

**PYROPHOR is a
Tool Steel** which

is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

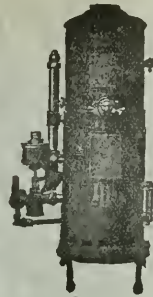
Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"

Automatic
Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Sutter 5231

Member

Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE

68 POST STREET

Foxcroft Building

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

839-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2807
Oakland, Oakland 8941

THE

Safe Deposit Vaults

of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junotion Market, Mason and Turk Streets

Telephone Market 1935

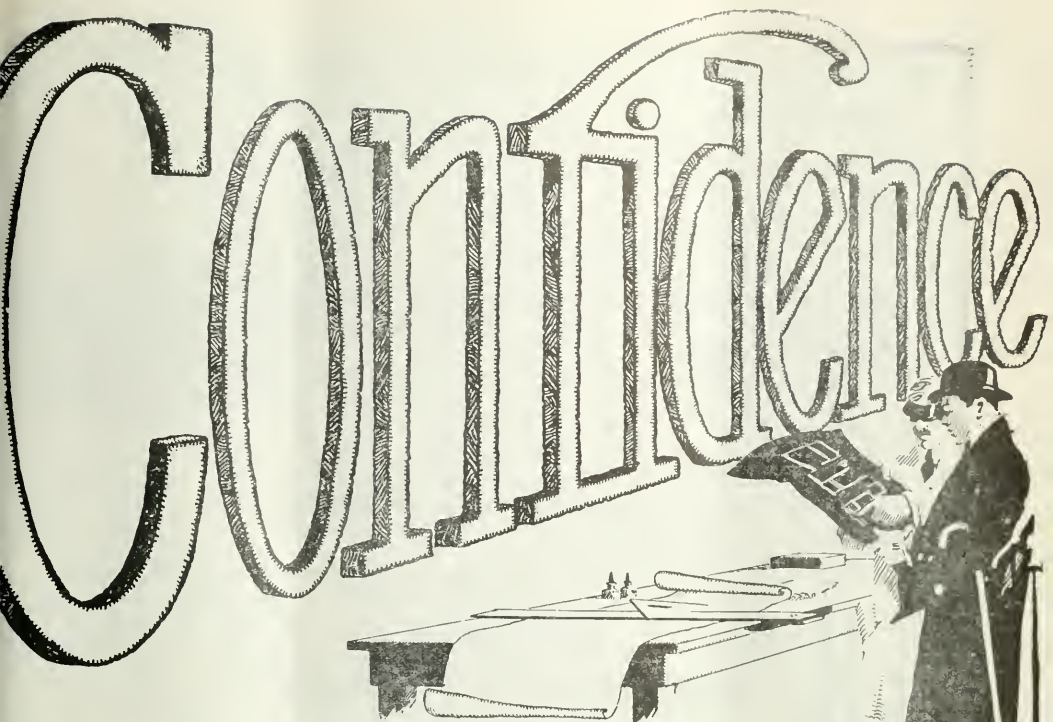
Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Est. Cough and Octavia

SAN FRANCISCO, CAL.



You take no chances of losing your client's confidence when you promise the quick delivery of "Pacific" Plumbing Fixtures.

The convenient location of our factories insures prompt deliveries.

And all "Pacific" Plumbing Fixtures are guaranteed forever against any defects in workmanship or materials.

"Pacific"



Plumbing Fixtures

For Sale By All Jobbers

Main Offices and Showroom,
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. November 29, 1916

Sixteenth Year, No. 48



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879

ISSUED EVERY WEDNESDAY.

L. C. LAUSEN,
Publisher and Proprietor,
W. D. Manville, News Editor,
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
550 Mission Street,
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	
Apartment Houses	4
Banks	4
Bonds	4
Bricks	4
Churches	4
Court Houses	5
Factories and Warehouses	5
Fire Houses and Jails	5
Flats	5
Fresno, Modesto Stanislaus and Central California	22-23
Garages	5
Government Work and Supplies	5-6
Halls and Society Buildings	5-6
Hospitals	5-6
Hotels	6
Irrigation Projects	6
Libraries	6
Los Angeles and Southern California	25
Marine, Costa and Sonoma Counties	22
Oakland and Alameda County	18-19-20-21
Portland and Oregon	25
Power House	6
Residences	6-7
Sacramento, Stockton and Northern California	23-24
San Francisco	10-11-12
San Jose and the Santa Clara Valley	13-14-15-16-17
Schools	21-22
Sealed Proposals	7
Seattle and Washington	25
Select Architects for San Francisco State Building	20
Sewers and Street Work	7-8
Stores and Offices	8
Theatres	8

Representatives of National Lumber Manufacturers In San Francisco.

Looking to closer relations between allied interests in the Lumber trade from forest to consumer, a party of representatives of various Lumber Associations consisting of Mr. R. H. Downman, President, The National Lumber Manufacturers Association, New Orleans, La.; Mr. C. S. Keith, President Southern Pine Association, Kansas City, Mo.; Mr. F. E. Weyerhaeuser, Northern Pine Association, St. Paul, Minn.; Mr. R. B. Goodman, Head of the Hemlock Promotion Campaign of the Northern States, Goodman, Wis., and Mr. A. R. Turnbull, President North Carolina Pine Association, Norfolk, Va., are to be in San Francisco today.

In order to meet and discuss matters that all might better understand the aims and purpose of this great movement, a meeting of all the various lumber interests will be held at the Palace Hotel today at 12:30 o'clock.

The meeting will be preceded by a luncheon and the afternoon devoted to business talks.

In discussing some phases of the lumber industry Mr. M. A. Harris, of the Van Arsdale-Harris Lumber Co., said to a representative of the "Builder," "that the Lumber Interest of the whole United States must take notice that whether we like it or not, the day is here in which the lumbermen must keep closely in touch with congress and the various departments at Washington. If we wait in each case until something injurious to our interests has occurred, we will have little or no chance to rectify mistakes. If we co-operate fully and freely with the Washington officials at all times, the chances are very much less that detrimental measures and policies will be adopted without our having a chance to give them consideration. This has been strikingly exemplified in the developments of recent months."

Co-operation, not only with other manufacturers, but with the governmental authorities as well, was thus advocated by President R. H. Downman, of New Orleans, of the National Lumber Manufacturers before western lumbermen in Portland recently. With other eastern and southern lumbermen, leaders in the lumber manufacturing regions east of the Rockies, he came west to ask for suggestions from western manufacturers for the carrying forward of the new national plan for the promotion of the lumber industry, through advertising and special work toward giving better service to the consumers, of the nation's forest products, and to tell the success of the work already done.

"Following a preliminary investigation covering a year, the Interstate Commerce Commission last July held in Chicago a general hearing upon the entire question of the classification of forest products, throughout the United States. Briefs by counsels will be filed with Commission during November. It is expected that oral arguments will be made in December, and a final decision announced by the Commission some time in 1917.

"For the first time in history, every branch of the lumber manufacturing industry presented a unanimous front upon a traffic question, and there is no question but that the outcome of the case will be much more favorable to the industry than if it had been handled without the direction and assistance of the National Lumber Manufacturers Association.

"The lumber industry has presented its first big case to the Federal Trade Commission also through the National Association and its decision, which may now be expected any time, should set a precedent for dealing with all industries founded upon natural resources. If the commission finds, as the overwhelming evidence will compel it to find, that there is no 'Trust' detrimental to the consumer among the lumber manufacturers, but that on the contrary both the industry and the public and the forests of the future have suffered from the results of cut-throat competition in the manufacture and sale of lumber, and that only through legalized co-operation can the rational use and conservation of our timber resources be brought about, a new policy of tremendous value and importance will have been instituted by the government.

"The Federal Trade Commission, the Forest Service and the Bureau of Foreign and Domestic Commerce are working together to solve problems in the production and distribution of lumber. The Bureau of Foreign and Domestic Commerce has not sufficient funds, so it is proposed that in co-operation with the National Lumber Manufacturers Association, six men be sent to Europe as soon as possible to furnish prompt and reliable information upon the character and extent and demand for American lumber immediately after the close of the war. The bulk of the money for this investigation will have to be furnished by the lumbermen, if it is made, but there is no question that the lumbermen should rise to this opportunity to extend their business."

The following Committee has charge of today's meeting:

A. A. BAXTER,
M. A. HARRIS,
OTIS JOHNSON,
E. A. BLOCKLINGER,
L. H. PIERSON,
E. A. SELFRIDGE, JR.,
Committee.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 6 story and base, steel and brick, \$125,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. Location, northwest Eddy and Hyde streets, covering an area of 75 by 87½ feet. Will contain three stores and a total of 100 rooms. Apartments arranged in one, two and three rooms. Plans being prepared.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$14,000. Architect, W. G. Hind, 46 Kearny street, S. F. Owner, W. G. Hind. Location, west Sixth north Bryant. Will contain two stores and twelve apartments of two and three rooms. Plans complete and segregated figures being taken.

SAN FRANCISCO—Apartment house, 4 story and base, reinforced concrete, \$37,500. Architect, none. Owner, Michael Dempniak, 1574 Jackson St., S. F. Location, north Eddy west Lark in, covering an area of 25 by 120 feet. Will contain twenty-four suites of two and three rooms. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Apartment house, 2 story and base, brick veneer, \$50,000. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Location, west Oak street north 14th. Will contain a large number of two, three and four room apartments. Plans complete and owner taking subfigures.

Contracts Awarded

SEATTLE, WASH.—Apartment house, 3 story and base, brick and frame, \$30,000. Architect, V. W. Voorhes, Elitel Bldg., Seattle. Owner, M. P. Lindros. Contractor, Charles Horn, 1061 East Lynn street, Seattle. Contract price, \$30,000.

BANKS

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Bank, 2 story and base, reinforced concrete, \$40,000. Architect, Thomas B. Edwards, Bank Bldg., Burlingame. Owners, Bank of South San Francisco. Location, Grand and Lincoln avenues, covering an area of 50 by 75 feet. Plans being prepared.

BONDS

TERRA BELLA, TULARE CO., CAL.—The directors of the Terra Bella Irrigation District have sold the \$2,500,000 bond issue and a contract for constructing the system of canals, ditches, etc., has been let to a San Francisco contractor.

WATERFORD, STANISLAUS CO., CAL.—The Waterford Irrigation District has sold the \$465,000 bond issue to the Union Savings Bank of Modesto. A contract for a portion of the proposed work to be financed by the sale of the bonds has been let.

COLUSA, COLUSA CO., CAL.—The \$85,000 grammar school bond issue carried. A new building will be erected.

CHOWCHILLA, MADERA CO., CAL.—An election has been called for December 6th to vote bonds of \$50,000 for the erection of a new school. No architect to design plans for the proposed structure to be erected has been selected.

REDWOOD CITY, SAN MATEO CO., CAL.—Bonds of \$15,000 have been voted by the West Union School District and a new school building will be erected from the sale of the bonds.

SUNNYVALE, SANTA CLARA CO., CAL.—The election held to vote bonds for municipal improvements carried as follows: \$15,000 for the water system; \$4,000 for the municipal buildings; \$7,000 for the town hall, and \$4,000 for the fire department.

SAN DIEGO, SAN DIEGO CO., CAL.—Bonds of \$682,000 for the construction of a concrete dam at Lower Otay have been voted and from plans prepared by M. M. O'Shaughnessy, San Francisco City Engineer, the work will be placed under way on the sale of the bonds.

The \$50,000 issue for the construction of bridges over the San Diego River failed to receive the necessary majority.

EAGLE ROCK, LOS ANGELES CO., CAL.—Bonds of \$75,000 have been voted for the purchase of a private water system.

SAN JACINTO, RIVERSIDE CO., CAL.—Bonds of \$25,000 were voted last week for sewer and street improvements.

SAN DIMAS, LOS ANGELES CO., CAL.—County Flood Control Engineer J. W. Reagan has prepared preliminary plans for a dam 125 feet high and 265 feet long, with 13-foot roadway on top, to impound about 2,400 acre-feet of water, to be constructed in San Dimas Canyon, costing about \$275,000. The work will be done under the proposed \$3,600,000 bond issue.

MARIPOSA, MARIPOSA CO., CAL.—Bonds of \$12,000 have been voted to provide for the erection of a new school building.

RIVERSIDE, RIVERSIDE CO., CAL.—A bond issue of \$550,000 has been suggested for park improvements.

HANFORD, KINGS CO., CAL.—Plans are progressing for a \$200,000 bond issue for street improvements. Edward Lynch of Glendale has been selected as engineer to prepare plans for the work.

OCEAN BEACH, LOS ANGELES CO., CAL.—Bonds of \$12,000 have been voted for ocean front improvements.

RED BLUFF, TEHAMA CO., CAL.—The Tehama County Grand Jury has recommended that a bond issue of \$150,000 be called to provide funds for the construction of a new County Court House.

BRIDGES, DAMS AND HARBOR WORK

HANFORD, KINGS CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor Hanford. Owners, Kings County. At the last meeting of the Kings County Supervisors the Board instructed Surveyor Dufield to prepare plans and specifications for a concrete bridge to span the canal of the Lemoore Canal and Irrigation Company one-half mile west of Hardwick.

At the last meeting the Supervisor, instructed County Surveyor Dufield to prepare plans and specifications for a cement bridge to be constructed over the west branch of the Last Chance Canal four miles west of this city.

MERCED, MERCED CO., CAL.—Bridge, timber construction. Cost not stated. Engineer, County Surveyor Merced. Owners, Merced County. Bid will be opened on December 5th for the construction of a wooden bridge or concrete abutments and piers over Black Rascal Creek on the McKee road in Road District No. 1 to be known as Bridge No. 53.

Contracts Awarded.

GROVILLE, BUTTE CO., CAL.—Bridges, 2, reinforced concrete, \$2,170. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, O. A. Petter, Oroville. Contract price, \$2,170.

CHURCHES.

SAN FRANCISCO—Church, 2 story and base, steel and concrete, \$150,000. Architects, Shea & Lofquist, Bankers Investment Bldg., S. F. Owners, St. Peter's and St. Paul's Church. Location, north Filbert east Powell, covering an area of 100 by 150 feet. Plans for the steel work complete and figures being taken. Concrete foundation work complete. Other parts of the work to be let following the award of the steel contract.

RICHMOND, CONTRA COSTA CO., CAL.—Church, 1 and 2 story, frame, \$10,000. Architect, Francis A. Reid Concord. Owners, First Christian Church. Revised plans are now being prepared to bring the cost of the building within the amount available. Bids received recently showed the building to cost in the neighborhood of \$15,000.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Church, 2 story and base, Class B construction. Cost not stated. Architect, Roland F. Sauter, San Marcos Bldg., Santa Barbara. Owners, First Presbyterian Church. Main portion of the building will cover an area of 80 by 150 feet. A wing, one story high will cover an area of 25 by 58 feet. Plans complete and figures being taken. Bids close on December 3th.

WHITTIER, LOS ANGELES CO., CAL.—Church, 1 and 2 story and base,

ck, \$55,000. Architect, H. M. Patter-
n, O. T. Johnson Bldg., L. A. Own-
ers, Friends Church of Whittier, Lon-
don, Philadelphia and Washington
sects. Plans complete and segregated
ares being taken.

COURT HOUSES.

MERCEDES, MERCED CO., CAL. —
Court house furniture. Cost not stat-
ed. Architect, none. Owners, Merced
county. Bids will be opened on De-
cember 5th for furnishing metal fur-
niture for various offices in the county
court house.

FACTORIES AND WAREHOUSES

SAN FRANCISCO — Factory and
warehouse, 4 story and base, rein-
forced concrete, \$60,000. Engineers,
Donald & Kahn, Rialto Bldg., S. F.
Owners, San Francisco Commercial Co.,
used to Goodyear Rubber and Tire
Location, south Mission west Laf-
ayette covering an area of 105 by 100
ft. Plans complete and sub-con-
tracts being awarded.

OAKLAND, CAL. — Factory, 4 story
base, brick. Cost not stated. Engi-
neer's name not given. Owners, Cal-
ifornia Cotton Mills, Cotton and Rail-
road avenue, Oakland. Location, Cot-
ton and Railroad avenues, covering an
area of 250 by 150 feet. Plans are be-
ing prepared and owners will let all
contracts. Work to be started within
three or four weeks.

HUNTINGTON PARK, LOS ANGE-
LES CO., CAL. — Factory buildings,
time and corrugated iron, \$100,000.
Architects, Peoples & Cheney, Haas
Bldg., L. A. Owners, Warman Steel
Co. The main building will
cover an area of 113 by 250 feet. Plans
are being prepared.

HUNTINGTON PARK, LOS ANGE-
LES CO., CAL. — Factory group, brick
and frame. Cost not stated. Archi-
tect's name not given. Owners, Axel-
son Bros. Machine Co., 1406 North San
rlando street, L. A. The buildings
will include a main machine shop, 128
by 375 feet; office building, 32 by 120
ft.; lathe building, 30 by 50 feet;
storage shop, 25 by 75 feet; pattern shop
and pattern storage buildings, each 25
by 80 feet; garage, 25 by 100 feet; and
an foundry, 100 by 165 feet. Plans
complete and figures being taken.

OXNARD, VENTURA CO., CAL. —
Warehouse, 2 story, brick and steel.
Cost not stated. Architect, none. Own-
ers, American Beet Sugar Co., Oxnard.
Will cover an area of 150 by 150 feet,
complete and figures being taken.

CHINO, SAN BERNARDINO CO.,
CAL. — Warehouse and factory, 3, 1 and
2 story, reinforced concrete. Cost not
stated. Architect, L. M. Edmunds,
Chino. Owners, American Beet Sugar
Co. There will be an addition to the
gar warehouse, 160 by 66 feet; a
machine shop, 60 by 154 feet; and a
apply warehouse, 50 by 75 feet. Plans
are being prepared.

Contracts Awarded

LOS ANGELES, CAL. — Terminal
buildings, 4, 2 and 8 story, reinforced
concrete. Cost not stated. Architect
John Parkinson, Security Bldg., L. A.
Owners, Los Angeles Union Terminal
Co. Contractors, Wurster Construction
Co., San Diego. Contract price not
stated.

FIREHOUSES AND JAILS

VISALIA, TULARE CO., CAL. — Jail,
2 story and base, Class A construc-
tion, \$45,000. Architect, Ernest J.
Kump, Kowal Bldg., Fresno. Owners,
Tulare County. Will contain sheriff's
office and jail quarters. Plans com-
plete and figures being taken. Bids
close December 18th.

FLATS.

SAN FRANCISCO — Flats, 2 story and
base, frame, \$5,500. Architect, none.
Owner, W. J. Keenan, Masonic avenue
and Fulton street, S. F. Location,
northwest Atalaya and Fulton. Will
contain four flats of four and five
rooms. Plans complete and work to be
done by Day Labor.

GARAGES

SANTA MARIA, SANTA BARBARA
CO., CAL. — Garage, 1 story, brick, \$3,-
500. Architect, L. F. Hyde, 2745 26th
avenue, Oakland. Owner, Mr. Fletcher.
Designed for a private garage. Plans
complete and figures being taken.

GOVERNMENT WORK & SUPPLIES

Puget Sound, Wash., Remodeling Roof.

The following bids were received by
the chief of the bureau of yards and
docks, Navy Department, Washington,
D. C., November 13 for remodeling roof
of building No. 58 at the navy yard,
Puget Sound, Wash.:

Item 1, price and time for the work,
complete, in accordance with plans and
specifications; 2, work, complete, with
bidder's modifications; 3, price and
time for work, complete, in accordance
with plans and specifications, except
that structural steel may be taken
from stock or warehouse.

Gurmann Dahl, 5646 47th avenue
southwest, Seattle, Wash., item 1, \$27,-
720; 150 days; lumber \$20 per M ft.

The Martin & Dougan Construction
Co., 627 Northern Park Building, Seat-
tle, Wash., item 3, \$24,000; 90 days;
lumber \$22 per M ft.

John Galher, 616 Mutual Life Build-
ing, Seattle, Wash., item 3, \$23,987; 65
days; lumber \$30 per M ft.

J. C. Rochford, 4184 Arcade Build-
ing, Seattle, Wash., item 1, \$25,758; 200
days; lumber \$14.50 per M ft.

M. A. Benbennick, 718 8th street,
Bremerton, Wash., item 3, \$26,309; 4
months.

Christopher Kuppler, 1309 7th ave-
nue north, Seattle, Wash., item 1, \$24,-
935; 120 days; lumber \$16 per M ft.

Swenson & Co., 3065 Arcade Build-
ing, Seattle, Wash., item 1, \$26,500;
time 7 months; 2, \$24,500, time 7
months; 3, \$25,256, time 7 months;
lumber \$15 per M ft.

Erikson & Larson, 5011 Meridian
avenue, Seattle, Wash., item 3, \$24,899,
90 days; 1, \$24,322, 120 days; deduct
\$1,400 if steel sash manufactured by
the Detroit Steel Products Co. is used;
lumber \$21 per M ft.

Henrikson & Co., 231 Globe Building,
Seattle, Wash., item 1, \$24,391 and
\$25,311 for Mesker Bros. iron operating
device; 2, \$23,331; 3, \$23,788; time, 120
days.

Booker, Keihle & Whipple, Central
Bldg., Seattle, Wash., item 2, \$28,-
622, \$28,332, \$26,074, and \$26,101; 3,
\$25,949; lumber \$25 per M ft; 125 days.

Idaho, Post Office.

The contract for remodeling, etc.,
and constructing an extension to the
U. S. post office at Boise, Idaho, has
been awarded to Welch Bros. & Han-
dman, Kalispel, Mont. at \$32,874;
time, 14 months.

Billings, Mont., Painting Plastering.

The following bids were received by
the supervising architect, Treasury
Department, Washington, D. C., Nov.
13 for painting plastering in the U. S.
public building at Billings, Mont.:

J. A. Webb, Hickory, N. C., \$1,800.

J. P. Sullivan, Chicago, Ill., \$2,440.

D. J. Inman, Danville, Ill., \$2,603.

Grohne Contracting Co., Joliet, Ill.,
\$2,733.

Henry Lehmann & Sons, Omaha,
Neb., \$3,450.

Sacramento, Cal., Repairs, Etc.

The contract for repairs, etc., in the
U. S. post office at Sacramento, Cal.,
has been awarded to Charles Vanino,
at \$1,786.

Tiburon, Cal., Dredging.

The following bids were received on
Nov. 13 by the chief of the bureau of
yards and docks, Navy Department,
Washington, D. C., for dredging at the
naval coal depot, Tiburon, Cal.:

Item 1, work, complete; 1-A, time for
completion of work based on estimated
quantity; 2, price per cu yd for dredg-
ing and disposal of bed rock in area G;
2-A, time for completion of work based
on estimated quantity under item 2.

R. A. Perry, 414 13th street, Oakland,
Cal., item 1, 18c cu yd; 1-A, 20 days; 2,
\$3.90; 2-A, 60 days.

San Francisco Bridge Co., 14 Mont-
gomery street, San Francisco, Cal., item
1, 19.3c; 1-A, 150 days; 2, \$5.19; 2-A,
50 days.

Pacific Coast Dredging and Reclama-
tion Co., 112 Market street, San Fran-
cisco, Cal., item 1, 12.9c; 1-A, 30 days;
2, \$3.25; 2-A, 45 days.

M. C. Harris 23 California street,
San Francisco, Cal., item 1, 19c; 1-A,
40 days; 2, \$4; 2-A, 15 days.

HALLS AND SOCIETY BUILDINGS.

WATSONVILLE, SANTA CRUZ CO.,
CAL. — Club house, 1 story and base,
frame, \$5,000. Architect, Ralph Wyck-
off, Pajaro Valley Bank Bldg., Watson-
ville. Owners, Watsonville Women's
Club. Will contain reception room, so-
cial halls and offices. Plans being pre-
pared.

HOSPITALS.

OAKLAND, CAL. — Hospital cottages,
6, 1 story, concrete and frame, \$100,-
000. Architect, Henry H. Meyers, Kohl
Bldg., S. F. Owners, Alameda County.
Revised figures are now being called
for on the construction of the six cot-
tages to be erected at the Alameda
Tubercular Hospital. Bids will be
opened on December 4th.

BEND, ORE. — Hospital, 3 story and
base, reinforced concrete, \$75,000. Ar-
chitects, Beezer Bros., Northern Bank
Bldg., Portland. Owners, Sisters of
Charity. Will contain both wards and
private rooms, operating rooms, nurses'
quarters and office. Plans are being
prepared.

Contracts Awarded.

SAN FRANCISCO—Hospital Disinfectors, \$7,690. Architect, none. Owners, City and County of San Francisco. Contractor, Herman Lawson, 344 4th avenue, S. F. Contract price, \$7,690.

HOTELS.

STOCKTON, SAN JOAQUIN CO., CAL.—Hotel and stores, 3 story and base. Class C construction, \$25,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Garibaldi Hotel Co. Location, southeast Lafayette and Center streets. Will contain three stores on the ground floor and a total of 80 rooms. Plans are being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—Hotel alteration, 3 story, brick, \$15,000. Architect, Walter King, San Joaquin Bldg., Stockton. Owner, J. C. Caine. Location, east Central between Main and Market streets. Work will consist of interior and exterior alterations. Plans are being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—Hotel alteration, 2 story and base, brick, \$20,000. Architect, Walter King, San Joaquin Bldg., Stockton. Owners, Mutual Investment Co. Location, Market street between San Joaquin and Sutter streets. Work will consist of both interior and exterior alterations and the installation of a steam heating system. Plans are being prepared.

CHEHALIS, WASH.—Hotel, 4 story and base, brick and concrete, \$65,000. Architect, C. E. Troutman, Aberdeen, Wash. Owner, William West, Chehalis. Will cover a considerable ground area and has been designed for a high class hotel. Plans will be ready for figures about January 15th.

Contracts Awarded.

LOS ANGELES, CAL.—Hotel, 12 story and base. Class A construction, \$82,500. Architects, Morgan, Walls & Morgan, Van Nuys Bldg., L. A. Owner, Frank Simpson. Contractors, Alta Planning Mill Co., 830 McGarry street, L. A. Contract price, \$82,860.

IRRIGATION PROJECTS

WATERFORD, STANISLAUS CO., CAL.—Irrigation work. Cost not stated. Engineer, Chief Engineer, Waterford Irrigation District. Owners, Waterford Irrigation District. Bids will be opened on December 19th at 10 a. m. for constructing portions of main canals of the Waterford Irrigation District—Proposals will be received on two separate sections of the work, which shall be known and described as follows, to wit: Section 1—Which is those portions of the upper main canal of the Waterford Irrigation District lying between Engineer's Station 0 plus 00 and 50 plus 50, and Engineer's Station 56 plus 00 and 200 plus 00, comprising in all the excavation of approximately 45,000 cubic yards of open excavation. Section 2—Which is that portion of the upper main canal of the Waterford Irrigation District lying between Engineers Station 50 plus 50 and 16 plus 00, comprising in all the excavation of approximately 2,200 linear feet of 8-foot diameter tunnel and 9,800 cubic yards of portal excavation.

MODESTO, STANISLAUS CO., CAL.—Irrigation work. Cost not stated. En-

gineer, Chief Engineer Herrmann, Modesto. Owners, Modesto Irrigation District. Bids will be received until December 5th at 10 a. m. for the construction of three reinforced concrete structures in Lateral No. 4 of the Modesto Irrigation District.

LONG BEACH, LOS ANGELES CO., CAL.—Drainage system, \$84,936. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Contractor, James Kennedy, Washington Bldg., L. A. Contract price, \$84,936.

WATERFORD, STANISLAUS CO., CAL.—Irrigation canal, \$36,000. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Contractors, G. W. Price Co., 33 Stevenson street, S. F. Contract price, \$36,000.

MERCED, MERCED CO., CAL.—Drainage systems, \$32,000 and \$65,000. Engineer, County Surveyor, Merced. Owners, Livingston and Atwater Drainage Districts. Contractors, Shattuck-Edinger Co., Marsh-Strong Bldg., Richmond. Contract price Livingston District, \$32,000 and Atwater District, \$65,000.

TERRA BELLA, TULARE CO., CAL.—Irrigation project, \$376,619.40. Engineer, Stephen E. Kieffer, Mechanics' Institute Bldg., S. F. Owners, Terra Bella Irrigation District. The contract for the construction of the first unit of the Terra Bella Irrigation District has been awarded to W. A. Kramer, Rialto Bldg., S. F., he being the low bidder at \$376,619.10, which is below the estimate of Chief Engineer Stephen E. Kieffer. There were five bids for the construction work. No. 1 for all steel pipe in distributing and collecting systems. No. 2 for all wood pipe in distributing and collecting systems. No. 3 for steel pipe in distributing system and reinforced concrete in collecting system. On these arrangements the bids worked out as follows:

Shattuck-Edinger Co., \$417,355.97, \$121,359.57, 3 incomplete; C. C. Moore & Co., \$392,504.04, \$102,679.92, \$382,719.00; W. A. Kramer, \$391,142.46, \$407,681.05, \$376,619.40; James Kennedy, \$111,257.85, \$405,961.10, 3 incomplete; Rogers Bros. Co., \$444,108.25, \$440,380.53, \$441,020.55.

LIBRARIES.

OAKDALE, STANISLAUS CO., CAL.—Library, 1 story and base, brick. Cost not stated. Architect, Hugh V. Davis, 1617 Weldon avenue, Fresno. Owners, Stanislaus County. Bids will be received on December 12th at 2 p. m. for a branch county library. Plans can be secured from the County Clerk.

POWER HOUSES.

SAN RAFAEL, MARIN CO., CAL.—Water pipe, \$10,000. Engineer, A. R. Baker, San Rafael. Owners, Marin Municipal Water District. At the last meeting of the Marin Municipal Water District Directors a resolution was adopted directing the superintendent to contract for about 11,000 feet of 6-inch iron water pipe for use in building a connection between the San Rafael plant and the Mill Valley plant so that surplus water from Mill Valley can be used to care for any shortage in the water supply during the dry seasons.

Contracts Awarded.

SAN RAFAEL, MARIN CO., CAL.—Water tunnel, concrete, \$257,400. Engineer, A. R. Baker, San Rafael. Owners, Marin Municipal Water District. Contractors, McLaren & Peterson, Sharon Bldg., S. F. Contract price, \$257,400.

RESIDENCES

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owners, Costello & Feebeck, 204 San Carlos avenue, S. F. Location, east 17th avenue north Balboa. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$2,500 each. Architect none. Owner, W. J. Keenan, Masonic and Fulton, S. F. Location, west Alaya north Fulton. Each house will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owners, Johnson & Johnson, 844 14th street, S. F. Location, west 21st avenue south Clement. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$3,000 each. Architects, Koenig & Christiansen, Humholdt Bank Bldg., S. F. Owner, A. Harrington, 10 Judah street, S. F. Location, west 26th avenue north Cabrillo. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, O. R. Thayer, 240 Montgomery street, S. F. Owners name withheld. Location, Claremont Court. Will contain six rooms, two baths and separate garage. Plans being prepared.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$5,000 each. Architect, O. R. Thayer, 240 Montgomery street, S. F. Owner's name withheld. Location, St. Francis Wood. Each house will contain six rooms, two baths and separate garage. Plans complete and figures to be called for shortly.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, C. A. Hall, 1318 5th avenue, S. F. Location, west 10th avenue south Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, A. T. Morris, 501 11th avenue, S. F. Location, west 11th avenue south Anza. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and 1 1/2 story and base, frame, \$2,500 each. Architect, none. Owner, Fernando Nelson, 2701 Lincoln Way, S. F. Location, east 29th avenue north Irving and east Arguello Boulevard north Parnassus. Each dwelling will contain six rooms, bath and basement

garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, J. M. Peters, 1010 Balboa street, S. F. Location, west 12th avenue south Cabrillo. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 3 story and base, frame, \$22,339. Architect, J. F. McCain, S. F. Owner, Mrs. K. Phieriot 660 Market street. Location, southeast Gough and Washington streets, covering an area of 45 by 60 ft. Will contain fourteen rooms, three baths and conservatory. Separate garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—residences, 2, 2 story and base, frame, \$5,000 each. Architect none. Owners, Blake Bros., Oakland Bank of Savings, Oakland. Location west Acacia south Brookside. Each house will contain seven rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, H. C. Pfanz, 320 Forest street, Oakland. Location, east Miles avenue north Hudson. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$1,500. Architect, none. Owner, C. F. Sabelman, 1130 Monterey avenue, Berkeley. Location, west Monterey north Hopkins. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Glenn R. Bell, 1568 Franklin street, Oakland. Location, south 40th east Grove. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, A. D. Darling, 2264 East 12th street, Oakland. Location, northeast East 29th street and 23rd avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, C. S. Nichols, 2768 Baker street, Berkeley. Location, west 66th avenue south Arthur. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Owner, G. H. Noble, 2250 Central avenue, Alameda. Location, 2205 and 2207 Pacific avenue. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$3,500 each. Architect, E. W. Cannon, Central Bank Bldg., Oakland. Owner's name withheld. Location, Lakewood Park. Each house will contain six rooms, bath and sleeping porch. Plans complete and figures being taken.

FREDMONT, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,000. Architect, none. Owner, Dr. W. J. McCracken, 1327 Broadway, Oakland. Location, Lakewood Park. Will contain seven rooms, bath, sleeping porch and separate garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, Charles A. Werner, 2416 10th street, Berkeley. Location, west Wallace south Ward. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, frame, \$6,500. Architect, O. R. Thayer, 240 Montgomery street, S. F. Owner's name withheld. Will contain seven rooms, bath, sleeping porch and separate garage. Plans being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, Walter King, San Joaquin Bldg., Stockton. Owner, A. L. Salback. Location, Yosemite street between Poplar and Acacia. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$3,200. Architect, none. Owner, Hans P. Anderson, Fresno. Location, Alta Vista Tract. Will contain six rooms, bath, sleeping porch and a garage. Plans complete and work to be done by Day Labor.

SCHOOLS

SACRAMENTO, CAL.—School, 3 story and base, reinforced concrete, \$175,000. Architects, Shea & Lofquist, Bankers' Investment Bldg., S. F. Owners, City of Sacramento. Location, block bounded by 17th 18th, I and F streets. Will contain twenty-four class rooms. Plans complete and approved by Board of Education.

CHOWCHILLA, MADERA CO., CAL.—School, 2 story and base. Class C construction, \$15,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Chowchilla High School District. Will contain six class rooms and an auditorium. Plans are being prepared.

MERCED, MERCED CO., CAL.—Schools, 1, 2 story and 2, 1 story, brick and concrete, \$150,000. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Merced Union High School District. These architects have just been selected to prepare plans and details of construction and designs have not been fully determined.

MODESTO, STANISLAUS CO., CAL.—School, 1 story and base. Class C construction \$23,000. Architects, De Remer & Hewitt, Title Insurance Bldg., L. A. Owners, City of Modesto. Location, Washington and I streets. Revised plans for this work have been completed and new figures are now being called. Bids will be opened on December 19th.

WATSONVILLE, SANTA CRUZ CO., CAL.—School, 1 story and base, frame, \$14,000. Architect, Ralph Wyckoff, Pajaro Valley Bank Bldg., Watsonville. Owners, City of Watsonville. Plans have been completed for this grammar school building and figures are now being taken. Bids will be opened on November 29th.

contracts Awarded.

LOS ANGELES, CAL. College building—Reinforced concrete and brick, \$100,000. Architect, Albert C. Martin, Higgins Bldg., L. A. Owners, St. Vincent's College. Contractors, Los Angeles Planning Mill Co., 1812 Industrial street, L. A. Contract price \$400,000.

MARYSVILLE, YUBA CO., CAL.—School, 1 story and base, frame, \$18,000. Architect, Julia Morgan, Merchant's Exchange Bldg., S. F. Owners, City of Marysville. Contractor, I. C. Evans, Marysville. Contract price, \$18,000.

MILL VALLEY, MARIN CO., CAL.—School retaining walls, etc., \$2,649. Architect, none. Owners, Mount Tamalpais Union High School, Contractor, A. O. Field, 1665 20th avenue, S. F. Contract price, \$2,649.

SEWERS, STREET WORK & WATER SYSTEMS

FORT MILEY, CAL.—Road improvements. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids will be opened on December 5th at 11 a. m. for altering the present road system at Fort Mile. An official proposal appears in another column of this issue.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on December 5th for street work authorized under the following resolutions: That the roadway of University avenue, from West street to Third street, be graded, concrete curbs and gutters be constructed; a cast iron and concrete culvert with cast iron manhole and granite header block; the roadway be paved with asphaltic wearing surface 2 inches thick, laid on a concrete foundation 6 inches thick.

That the roadway of University avenue, from a line 100 feet westerly from and parallel to the western line of Grove street west to the south extension of the center line of West street, be graded; concrete curbs and gutters constructed; a cast iron and concrete culvert with two cast iron manholes and two granite header blocks; a vitrified pipe sewer be constructed in Grant street, from University avenue to the storm sewer in Addison street; a reinforced concrete catch basin be constructed and the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete foundation 6 inches thick.

ORANGE, ORANGE CO., CAL.—Road improvements. Cost not stated. Engineer, County Surveyor, Orange. Owners, Orange County. Bids will be opened on December 6th at 2 p. m. for the construction of a 20-foot wide earth road, surfaced with clay; approximately 25,000 cubic yards of sand 7,500 yards of clay surfacing and 1,163 feet of pile trestle commencing at westerly city line of Huntington Beach, thence northwesterly parallel to the Pacific Electric Railway three miles.

VENTURA, VENTURA CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor Ventura. Owners, Ventura County. Until 11:30 a. m. December 5 bids will be received by the Board of Supervisors for constructing 6.01 miles of road on Division 4, Piru to county line, according to

plans and specifications and profiles which may be obtained at the office of the County Highway Commission upon depositing \$5. The approximate quantities are 36,200 cubic yards excavation, including borrow; 464 cubic yards concrete; 62 linear feet 42-inch corrugated iron pipe; 25,360 pounds reinforcing steel. J. B. McCloskey, County Clerk.

BAKERSFIELD, KERN CO., CAL.—Road roller. Cost not stated. Engineer, County Surveyor Bakersfield. Owners, Kern County. All bids received by the Kern County Board of Supervisors for furnishing a gasoline road roller were rejected as being too high. It is probable that the roller will be purchased in the open market.

REDWOOD CITY, SAN MATEO CO., CAL. Highway improvement. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Bids will be received on December 8th at 10 a. m. for the construction of two concrete culverts near the Belmont Military Academy, Belmont. And also for the construction of approximately 28,200 square yards of surface on certain roads in the First Road District of San Mateo County.

COLUSA, COLUSA CO., CAL. Street improvements. Cost not stated. Engineer, City Engineer, Colusa. Owners, City of Colusa. The City Trustees have passed resolutions of intention to grade and gravel Jay street, between 8th and 9th; Oak street, A to 1st; Park-hill, 2nd to 3rd; Jay street, 11th to 12th; 9th street, Jay to Oak, and laying of concrete sidewalk in 6th street, from the south line of Jay street to the north line of Webster street.

CHICO, BUTTE CO., CAL. Street paving. Cost not stated. Engineer, City Engineer, Chico. Owners, City of Chico. Bids will be opened on December 5th at 8 p. m. for the paving of all that part of Broadway fronting the Children's Playground that lies between the curb on the westerly side thereof and the center line of said street, and extending from the northerly line of First street, city of Chico, to the bridge across Big Chico Creek, excepting therefrom that part already paved by the State highway.

EVERETT, WASH.—Highway construction, \$167,292.60. Engineer, County Surveyor W. C. Bickford, Everett. Owners, Snohomish County. Mark Odell, Seattle, submitted the lowest figure for paving Road No. 30 and will probably be awarded the contract.

Contracts Awarded

SACRAMENTO, CAL.—Street work. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commissioners have awarded a contract to the McGilivray Construction Co., Capitol National Bank Bldg., Sacramento, for the following work: That 13th street, from T street to U street, be improved by constructing concrete curb, concrete gutter grading the space between the property line and curb; placing 6-inch, vitrified, ironstone sewer pipe drains; placing 2-inch cast iron gutter drains with 6-inch, ironstone sewed pipe elbows attached, reconstructing one existing concrete manhole, grading the roadway and constructing thereon an asphaltic pavement, consisting of a hydraulic concrete founda-

tion 4 inches thick, an asphaltic cement flush coat, an asphaltic concrete flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

SACRAMENTO, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commissioners have awarded a contract to A. Olsen, 2724 1st avenue, Sacramento, for the following work: That 13th street, from R street to X street, be improved by constructing concrete concrete curbs, concrete manholes, complete, with cast iron curbs and covers; placing 16 cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; constructing 6-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb, and constructing concrete sidewalks.

FRESNO, FRESNO CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. The City Council has awarded contracts to Thompson Bros., 1514 H street, Fresno, for the following work: That the alley in block 90 from the northwest line of Tuolumne street to the southeast line of Stanislaus street, be graded and curbed with redwood curbing, and paved with a pavement consisting of a cement concrete base 4 inches thick and a bitulithic wearing surface 2 inches thick. Also, that First street, from Illinois avenue to Tulare avenue, be graded, curbed and macadamized, concrete gutters 2 feet wide and 7 inches thick shall be built for each gutter of the street, of the same kind of concrete as specified for curbs, and the top of said gutters shall be eight inches below top of curbs; also that one 21-inch by 6-inch corrugated iron culvert, No. 12 gauge, shall be laid with 4-inch concrete base and connecting gutter entrances across First street, in the north gutter line of Iowa avenue, for \$1,755.

SAN FRANCISCO. Street improvements. Cost as follows. Engineer, City Engineer City Hall, S. F. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works: The improvement of Phelan avenue and Ocean avenue, between Judson avenue, produced, by grading, construction of concrete curbs, reconstruct existing concrete curbs, an asphalt pavement at the intersection of Phelan avenue and Ocean avenue, artificial stone sidewalks, brick catch basins with cast iron frames, gratings and traps, and 16-inch, vitrified, salt-glazed, ironstone pipe culverts; 12-inch, vitrified, salt-glazed, ironstone pipe and appurtenances; 20 Y branches and 5 brick manholes; and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadways thereof. Awarded to Blanchard-Brown Co., 660 Market street, S. F., for \$19,263.40.

The improvement of Academy street, between Charles street and Fairmount street, by grading, construction of concrete curbs; an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 13 Y branches and 1 brick manhole; and an asphalt pavement, consisting of a

6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The State Improvement Co., Crocker Bldg., S. F., for \$3,696.70.

The improvement of Arthur avenue, between 3rd street and Quint street, produced: construction of granite curbs basalt block gutters, and by the construction of basalt block pavement on sand with gravel and asphalt filler on the roadway thereof. Awarded to The City Street Improvement Co., 166 Geary street, S. F., for \$15,080.38.

STORES AND OFFICES

ANTIOCH, CONTRA COSTA CO., CAL.—Stores, 1 story and base, brick, \$7,500. Architect, none. Owner, O. E. Elongel, Antioch, leased to the Pacific Tel. and Tel. Co. Location, 4th and G streets, covering an area of 25 by 85 feet. Work will be done by Day Labor.

LOS ANGELES, CAL.—Stores and lofts, 8 or 10 story and base. Class A construction. Cost not stated. Architect, W. J. Dodd, Brockman Bldg., L. A. Engineer, William Richards. Owner, J. J. Hagerty. Location, Grand avenue. Only preliminary sketches have been prepared and further details will be given later.

LOS ANGELES, CAL.—Stores and lofts, 6 story and base, reinforced concrete. Cost not stated. Architects, Dodd and Richardson Brockman Bldg., L. A. Owner Lee A. Phillips, Shirley Ward et al. Location, west 7th between Hill and Olive. Will cover a considerable ground area. Preliminary plans only and further details to be given later.

LOS ANGELES, CAL.—Stores and lofts, 4 story and base. Class A construction. Cost not stated. Architects, Dodd & Richardson, Brockman Bldg., L. A. Owner, Lee Phillips. Location, west 7th east Grand avenue, covering an area of 45 by 135 feet. Plans being prepared.

LOS ANGELES, CAL.—Stores and lofts, 4 story and base. Class A construction. Cost not stated. Architects, Dodd & Richardson, Brockman Bldg., L. A. Owner, Lee Phillips. Location, southwest 7th and Olive streets, covering an area of 163 by 225 feet. Plans are being prepared.

SEATTLE, WASH.—Stores and film exchange, 2 story and base, reinforced concrete, \$50,000. Architect, E. C. Kinnear, Hotel Savoy, Seattle. Owners, G. Kinnear Estate. Location, northeast 4th avenue and Stewart street, covering an area of 108 by 120 feet. Plans being prepared.

Contracts Awarded

HOLLISTER, SAN BENITO CO., CAL.—Department store, 3 story and base, reinforced concrete. Cost not stated. Architect, William Binder, Rea Bldg., San Jose. Owners, Grangers' Union. Contractors, Oregon Construction Co., Hollister. Contract price not stated.

THEATRES

SAN FRANCISCO. Theatre and ice rink, 2 story and base. Class A construction. Cost not stated. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner's name withheld. Location, southeast Market and 8th streets. The building is proposed to be erected on the McCreary Estate property, and the

terms of the lease have not as yet been agreed to. Further mention will be made of the work.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA, CIRCULAR 1102—Proposals for Steel, Planchished Iron, Steel Castings, Copper, Brass, Bronze, Copper Tubing, Tin, Lead Pipe, Steel Cable, Wire, Electric Wire, Solder, Steel Pins, Pipe Fittings, Pipe Straps, Steel Pipe, Chain, Track, Scales, Boat Spikes, Nails, Bolts, Nuts, Screws, Anchors, Chain Shackles, Vises, Wrenches, Reamers, Dies, Files, Cup Hooks, Crucibles, Riddles, Grindstone, Scales, Tool Handles, Oars, Water Gauges, Radio Sets, Reflectors, Electric Fittings, Asbestos Lumber, Fibre Tubing, Rubber Rolls, Insulating Cloth, Tapes, Rutchings, Blocks, Washers, Gaskets, Paper Clips, Labels, Silica Grit, Silica Sand, Silica Wash, Fire Clay, Ferro-Silicon, Lime, Carbide, Acetone, Graphite, Sal Ammoniac, Glue, Paraffine Wax, Gold Leaf, Linhage, Liquid Filler, Lard Oil, Japan Drier, Wood Alcohol, Lampblack, Red Lead, Varnish, Paints and White Oak.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m., December 8, 1916**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1102) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL I. BROWN, major, corps of engineers, U. S. Army, general purchasing officer.

PROPOSALS FOR STONE WORK.

STONE WORK—U. S. Engineer Office, 725 Central Building, Los Angeles, Cal.—Sealed proposals for setting stone with a lever at Yuma, Ariz., will be received here until **11 a. m., December 15, 1916**, and then opened. Information on application.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 21, 1916.—**SEALED PROPOSALS** will be opened in this office at **3 P. M., December 22, 1916**, for the construction complete of the United States Post Office at Bakersfield, California. Drawings and specifications may be obtained after November 25, 1916, from the Custodian of site at Bakersfield, California, or at this office, in the discretion of the Acting Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect.

PROPOSALS FOR TELEPHONE LINES.

TELEPHONE LINES—Sealed proposals indorsed "Proposals for Telephone Lines" and "Transmission Lines" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m., December 18, 1916**, and then and there publicly opened. For telephone cable connection between the Pacific Coast Torpedo Station Keyport, Wash., and the Puget Sound Navy Yard, also an electric power transmission line from the Olympic Power Company's main line to the radio building at the above named torpedo station. Plan and specification can be obtained on application to the bureau or to the commandant of the navy yard named. E. R. HARRIS, chief of bureau.

QUARTERMASTER SCHEDULE.

SAN FRANCISCO SCHEDULE 129, commanding, Fort Mason, U. S. Army, San Francisco, Cal.—Sealed proposals will be received here until **December 8, 1916**, under schedule 129 for furnishing 56 dozen memo books, 1,900

pounds Norway iron, 400 pounds flat iron, 150 pounds black leather, 24 oil-skins, 200 gallons olive-drab paint, 250 reams wrapping paper, 100 pounds rivets and burrs, 100 pounds sal ammoniac, 100 pounds soft soap, 1,600 pounds sal soda, 100 pole straps, 100 pounds insulating tape, 50 pounds do, 1,100 pounds twine, 490 gallons varnish, 200 pounds scaling wax, 300 mess bowls, 100 scullion's canisters, 250 float balls, 500 Puller bars, 500 feet rubber belting, 1,200 feet do, 200 feet leather belting, 250 return heads, 100 solder balls, 100 stiffened bends, 98 bibbs, 114 flaps, 1,000 stove bolts, 1 pharmaceutical, 12 lettering brushes, 12 scratch brushes, 14 stripping brushes, 96 tube brushes, 25 pipe fittings, 10 cross tuffing brushes, 5 carriage makers' clamps, 50 rocks, 36 grease cups, 10,000 paper disks, 50 pipe fittings, 26 flags, 10 ammonia gauges, 1 pair binoculars, 500 pounds glue, 50 pounds graphite, 250 chip guards, 500 head balers, 200 feet chemical engine hose, 2 pieces fire extinguisher hose, 21 pieces do, indicator, 24 battery jars, 1000 bolts, 1000 knobs, 1000 washers, 10,500 pounds nails, 8,000 pounds oakum, 50 gallons rubber oil, 2,635 gallons paint, 3,600 pounds dry red lead, 15,000 pounds white zinc (in oil), 500 sheets filler paper, 25,000 packages toilet paper, 114 battery pans, 20 parts for Vulcan ice machine, 114 do, 1 pair pliers, 2,400 stove polish bars, 6 acid receptacles, 12 stationery rug, 21 crosscut saws, 6 pairs handles, 6 screw drivers, 15 hydrometer syringes, 25 house thermometers, 115 pneumatic tires, 120 auto inner tubes, 6 pairs tweezers, 100 pipe fittings, 50 ammonia valves, 52 ancle valves, 50 gate valves, 10 sash valves, 120 gallons varnish, 1 volimeter, 1 volt ammeter, 250 bibb washers, 500 pounds floor wax, 26 Stillson wrenches, 6 bit braces, 200 gallons crude kerosene, 72 carpenters' rules, 27 chisels, 62 files, 35 gaskets, 21 horse machine parts, 50 feet iron pipe, 2 reducers, 8 separators, 4 tees, 27 do, 10 unions, 200 feet copper wire, 7 gate valves, 5 sash valves, 12 syphon balls, 11 do, 1000 pounds rubber, 1000 engineers' books, 1 red sash brush, 4 paint brushes, 36 cans, 1 clamp, 12 corks, 1,000 filter disks, 1,100 do 100 corks, 500 elbow valves, 25 rubber washers, 35 ball floats, 25 rubber gaskets, 36 harness hooks, 8 hydrometers, 1 back-saw machine, 36 pounds packing, 14 files, 12 plane parts, 50 parts for Vulcan ice machine, 500 steel nails, 250 feet pipe, 24 floor pulps, 2 steel rollers, 5 saws, 2 steel scales, 2 pairs scissors, 2 cross brace screws, 144 harness snaps, 100 parts for 50 rubber stoppers, 50 pounds friction tape, 85 pounds insulating tape, 10 galvanized iron ties, 10 ties, 6 valves, 26 washers, 1,000 do, 8 parts for horse mowing machine, 16 parts for 12 horse brushes, 1000 do, 1000 do, 10 pounds steel wool, 500 deck or better brushes, 72 inkstands, 400 dozen overalls, pipe, 12 dozen rulers, 2,000 vaphs, needles and 238 other sundries. For further information, address JOHN T. KNIGHT, Col., Q. M. Corps, D. Q. M.

CALL FOR BIDS ON FENCING.

SANTA BARBARA, CAL. Bids will be received by the Board of Supervisors up to **10 A. M., of December 4**, for enclosing 100 acre highway through the lands of Mrs. J. J. Stanwood in the Third Road District; also separate bids for fencing the Harris Station-Lampore road through the lands of Mrs. J. J. Harris, et al, in the Fifth Road District. Specifications are on file at the office of the clerk, and may be obtained from the county surveyor on deposit of \$10 for each set. Certified check for 10% with each bid required. C. A. HUNT is the clerk.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1100—Proposals for Dredge Tumbler, Engine Truck Springs, Brake Shaft Brackets, Lamp Posts, Pig Lead, Electric Fittings, Conduit and Fittings, Electric Fittings, Marine Hardware and Equipment, Locks, Bolts, Hinges, Hasps, Screws, Collars, Grommets, Tacks, Nuts, Taper Pins, Drawer Pulls, Bed

Gasters, Files, Dags, Tankle Blocks, Chain Blocks, Shell Brackets, Buckets, Brown Ice Tanks, Grindstones, Tool Handles, Ladders, Latches, Lantern Globes, Soldering Poles, Tallow Pots, Oilers, Rules, Steel Tapes, Rat Traps, Welding Spectacles, Boring Machine, Milling Machine, Lathe, Gas Engine, Spruce and Pine Lumber, Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m., December 2, 1916**, at which time they will be opened in public for furnishing the above-mentioned articles. Blanks and general information relating to this circular (No. 1100) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; EARL I. BROWN, major, corps of engineers, U. S. Army, general purchasing officer.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—**SEALED PROPOSALS**, in triplicate, for altering road at Fort Miley, Cal., will be received here until **11 A. M., December 5, 1916**, and then opened. Further information on application.

PROPOSALS FOR CRANE.

"CRANE—Sealed proposals indorsed "Proposals for Floating Crane" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m., December 11, 1916**, and then and there publicly opened. For a 250-ton floating revolving crane for the navy yard, Mare Island, Cal. Specifications can be obtained on application to the bureau or commandant of the navy yard named. E. R. HARRIS, chief of bureau.

The time of opening proposals for a 250-ton floating revolving crane for the navy yard, Mare Island, Cal., under specification No. 2259 is hereby extended from **November 11, 1916**, to **December 11, 1916**, at **11 o'clock a. m.**, E. R. HARRIS, chief of bureau of yards and docks.

The time of opening of proposals for locomotive job crane of 50 gross tons capacity and under, specification No. 21 at the naval station, Pearl Harbor, T. H., is hereby extended to **11 o'clock a. m., November 27, 1916**, E. R. HARRIS, chief of bureau of yards and docks.

PROPOSALS FOR Q. M. SUPPLIES.

SAN FRANCISCO Q. M. SCHEDULE 116, Office of the Depot Quartermaster, U. S. Army, Fort Mason, San Francisco, Cal.—Sealed proposals will be received until **November 23, 1916**, under schedule 116 for furnishing 200 pounds asbestos, 100 tube brushes, 50 barrel bolts, 10 dozen drill bits, 600 counterpanes, 238 manure forks, 840 gallons enamel paint, 185 pounds black, blue and brown number, 500 dozen copying pencils, 125 iron wire seats, 200 silver scissors, 300 calendar stands, 100 pounds tacks and 2,500 towels. For further information address JOHN T. KNIGHT, colonel, quartermaster corps, depot quartermaster.

PROPOSALS FOR NEEDLE VALVES.

The Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until **2 o'clock p. m., December 12, 1916**, for furnishing needle valves for the north tunnel of the Roosevelt Dam Salt River project, Arizona. For particulars address the United States Reclamation Service, Washington, D. C., or the Denver, Colo. MORRIS BERN, acting director.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

STREET IMPROVEMENTS—Cost as follows: San Francisco, Engineer, City Engineer, City Hall, S. F., Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works: The improvement of Phelan avenue and Ocean avenue, between Judson avenue, produced, by grading, construction of concrete curbs reconstruct existing concrete curbs, an asphalt pavement at the intersection of Phelan avenue and Ocean avenue artificial stone sidewalks, brick catch basins with cast iron frames, gratings and traps, and 16-inch, vitrified, salt-glazed, ironstone pipe culverts; 12-inch, vitrified, salt-glazed ironstone pipe and appurtenances; 20 Y branches and 5 brick manholes, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation on a 2-inch asphaltic wearing surface on the roadways thereof. Awarded to Blanchard-Brown Co., 660 Market street, S. F., for \$19,263.40.

The improvement of Academy street, between Charles Street and Fairmount street, by grading, construction of concrete curbs, an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 12 Y branches and 1 brick manhole, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The State Improvement Co., Crocker Bldg., S. F., for \$3,696.70.

The improvement of Arthur avenue, between 3rd street and Quint street, produced: construction of granite curbs, basalt block gutters, and by the construction of a basalt block pavement on sand with gravel and asphalt filler on the roadway thereof. Awarded to The City Street Improvement Co., 166 Geary street S. F., for \$15,080.38.

APARTMENT HOUSE—6 story and base, steel and brick, \$125,000. San Francisco, Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. Location, northwest Eddy and Hyde streets, covering an area of 75 by 87½ feet. Will contain three stories and a total of 100 rooms. Apartments arranged in suites of one, two and three rooms. Plans being prepared.

APARTMENT HOUSE—3 story and base, frame, \$14,000. San Francisco, Architect W. G. Hind, 46 Kearny street, S. F. Owner W. G. Hind. Location, west Sixth north Bryant. Will contain two stories and twelve apartments of two and three rooms. Plans complete and segregated figures being taken.

APARTMENT HOUSE—4 story and base, reinforced concrete, \$37,500. San Francisco, Architect, none. Owner, Michael Dempniak, 1574 Jackson St., S. F. Location, north Eddy west Larkin covering an area of 55 by 120 feet. Will contain twenty-four suites of two and three rooms. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$3,000, each. San Francisco, Architect, none. Owners, Costello & Feerick, 204 San Carlos avenue, S. F. Location, east 17th avenue north Balboa. Each dwelling will contain seven bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 2 story and base, frame, \$2,500 each. San Francisco, Architect, none. Owner, W. J. Keenan, Masonic and Fulton streets, S. F. Location, west Atalaya north Fulton. Each house will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco, Architect, none. Owners, Johnson & Johnson, 444 14th street, S. F. Location, west 21st avenue south Clement. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 2 story and base, frame, \$3,000 each. San Francisco, Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, A. Harrington, 10 Judah street, S. F. Location, west 26th avenue north Cabrillo. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco, Architect, O. R. Thayer, 240 Montgomery street, S. F. Owner's name withheld. Location, Claremont Court. Will contain six rooms, two baths and separate garage. Plans being prepared.

RESIDENCES—2, 2 story and base, frame, \$5,000 each. San Francisco, Architect, O. R. Thayer, 240 Montgomery street, S. F. Owners name withheld. Location, St. Francis Wood. Each house will contain six rooms, two baths and separate garage. Plans complete and figures to be called for shortly.

RESIDENCE—2 story and base, frame \$3,000. San Francisco, Architect none. Owner, C. A. Hall, 1318 5th avenue, S. F. Location, west 10th avenue south Balboa. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco, Architect, none. Owner, A. T. Morris 501 11th avenue, S. F. Location, west 11th avenue south Anza. Will contain rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 2 story and 1½ story and base, frame, \$2,500 each. San Francisco, Architect, none. Owner, Fernando Nelson, 2761 Lincoln Way, S. F. Location, east 29th avenue north Irving and east Arguello Boulevard north Parnassus. Each dwelling will contain six rooms bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,000. San Francisco, Architect, none. Owner, J. M. Peters, 1010 Balboa street, S. F. Location, west 12th avenue south Cabrillo. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame \$22,399. San Francisco, Architect, J. F. McCain, S. F. Owner, Mrs. K. Thieriot, 660 Market street. Location, southeast Gough and Washington streets covering an area of 45 by 60 feet. Will contain fourteen rooms, three baths and conservatory. Separate garage. Plans complete and work to be done by Day Labor.

CHURCH—2 story and base, steel and concrete, \$150,000. San Francisco, Architects, Shea & Lofquist, Bankers' Investment Bldg., S. F. Owners, St. Peters and St. Paul's Church. Location, north Filbert east Powell, covering an area of 100 by 150 feet. Plans for the steel work complete and figures being taken. Concrete foundation work complete. Other parts of the work to be let following the award of the steel contract.

FACTORY AND WAREHOUSE—4 story and base, reinforced concrete, \$60,000. San Francisco, Engineers, MacDonald & Kahn, Rialto Bldg., S. F. Owners, San Francisco Commercial Co., leased to Goodyear Rubber and Tire Co. Location, south Mission west Lafayette, covering an area of 105 by 100 feet. Plans complete and sub-contracts being awarded.

FLATS—2 story and base, frame, \$8,500. San Francisco, Architect, none. Owner, W. J. Keenan, Masonic avenue and Fulton street, S. F. Location, northwest Atalaya and Fulton. Will contain four flats of four and five rooms. Plans complete and work to be done by Day Labor.

THEATRE AND ICE RINK—2 story and base, Class A construction. Cost not stated. San Francisco, Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner's name withheld. Location, southeast Market and Eighth streets. The building proposed to be erected on the McCreary Estate property, and the agreed to. Further mention will be made of the work.

ROAD IMPROVEMENTS—Cost not stated. Fort Miley, Cal. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids will be opened on December 5th at 11 a. m. for altering the present road system at Fort Miley. An official proposal appears in another column of this issue.

Contracts Awarded.

HOSPITAL DISINFECTORS—\$7,630. San Francisco, Architect, none. Owners, City and County of San Francisco. Contractor, Herman Lawson, 344 4th avenue, S. F. Contract price, \$7,630.

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

Owner	Contractor	Amt.
Borkheim	Borkheim	300
Hearst	Hearst	1400
Sheaf	Sheaf	1000
Hotel Plaza	Brumfield	400
Cal. Mercantile	Moriarty	450
Moore	Moore	1900
Aydukovich	Aydukovich	450
Central Coal	Owner	450
Schmidt	Schmidt	700
Smith	Mager	2000
Hart	Stiefel	1470
Phelan	Phelan	400
Pehrson	Pehrson	1200
Clinton	Nelson	5100
Kolander	Denke	29500
Fritsch	Martin	5330
Sullivan	Malillard	425
Antoniadis	Brumfield	400
Musto	Emanuel	1300
Seannavino	Seannavino	2600
National City	Cobby	300
Grethel	Grethel	400
Simon	Simon	400
Nicholson	Nicholson	400
James	Arli	425
Jackson	Montgomery	6000
Smith	Smith	2300
Smith	Smith	2300
Smith	Smith	2600
Smith	Smith	2600
Winship	Wagner	900
Mealey	Collins	—
Same	Pinkerton	—
Same	Sunset	—
Same	Lorden	—
S. P.	Bienfield	—
Wallace Est.	Henderson	22900
Schroeder	Owner	—
Same	Camp	—
Same	Hogberg	—
Same	Lacey	—
Same	Atlas	—
Same	W. H. Furnace	—
Same	American Elec	—
Same	Schaffer	—
Keenan	Keenan	2500
Same	Same	2500
Same	Same	2500
Same	Same	2500
Ennis	Ennis	800
Polk	Black	500
Polk	Crothers	500
Huth	Seghieri	650
Harrington	Harrington	2000
Same	Same	3000
Same	Same	2000
Same	Same	2000
Arenson	Carlin	800
Carpiella	Montani	1075
Terrier	Born	29300
Trane	Weneard	10360
Nelson	Nelson	9500
Same	Same	9500
Same	Same	9500
Same	Same	2000
Johnson	Johnson	2000
Peters	Peters	3000
Ganser	Ramann	800
Mare	Mare	900
Shannon	Shannon	1250
Schilling	Schilling	600
Damenink	Damenink	37500
Morris	Morris	9000
Hall	Hall	9000
Hind	Hind	15000
Kretz	Kretz	3750
Oris	Oris	5580
Field	Field	500
Bandelke	Bandelke	150
Chambers	Pink	475
Engle	Engle	750
Wagner	Wagner	400
Costello	Forrick	3000
Same	Same	3000
Spencer	Spencer	1500
Conner	Conner	1950
Marple St. Bldg	G. C. Leon	5000

ALTERATIONS
 (341) NO. 536 TENTH AVE. Alter and add to dwelling.
 Owner.....W. I. Borkheim, Premises.
 Architect.....None.
 Day's work.....COST, \$500

ALTERATIONS
 (342) NO. 679 MARKET. Alter front, tile floor and erect 2 partitions.
 Owner.....Hearst Estate, Hearst Bldg San Francisco.
 Architect.....D. J. Patterson, 46 Kearny, San Francisco.

Contractor.....Mahony Bros., Crocker Bldg., San Francisco.
 COST, \$100

ALTERATIONS
 (3343) NO. 6431 CALIFORNIA. Raise dwelling, concrete foundation, etc.
 Owner.....Orren & Catherine Sheaffer 6430 California, S. F.
 Architect.....None.
 Day's work.....COST, \$1000

ELECTRIC SIGN
 (3344) NW POST AND STOCKTON.
 Electric sign.
 Owner.....Hotel Plaza, Premises.
 Architect.....None.
 Contractor.....Brumfield Elec. Sign Co., 18 7th, San Francisco.
 COST, \$400

ALTERATIONS
 (3345) SW EDDY AND SCOTT. Cement floor, etc.
 Owner.....California Mercantile Co., — California, S. F.
 Architect.....None.
 Contractor.....Dan Moriarty, 217 6th Ave. San Francisco.
 COST, \$450

ALTERATIONS
 (3346) NOS. 224-226 VAN NESS AVE.
 Alter sales room.
 Owner.....L. C. Moore Estate, 133 Kearny, San Francisco.
 Architect.....None.
 Day's work.....COST, \$500

FRAME DWELLING
 (3347) W FORTY-SIXTH AVE 175 S Irving. One and one-half-story and basement frame dwelling.
 Owner.....Lazar Aydukovich, 1378 46th Ave., San Francisco.
 Architect.....None.
 Day's work.....COST, \$1900

ALTERATIONS
 (3348) NO. 340 STEWART. Place sheds in conformity with Building Laws.
 Owner.....Central Coal Co., Premises.
 Architect.....None.
 Day's work.....COST, \$450

FRAME DWELLING
 (3349) E WOOL 100 N Eugenia. One-story and basement frame dwlg.
 Owner.....J. C. Schmidt, 65 Ellsworth, San Francisco.
 Architect.....None.
 Day's work.....COST, \$700

ADDITION
 (3350) E FAIR OAKS 60 N 25th. Add to and alter dwelling.
 Owner.....Mrs. M. Smith, 387 Fair Oaks, San Francisco.
 Architect.....None.
 Contractor.....Mager Bros., 110 Jessie, San Francisco.
 COST, \$2000

ALTERATIONS
 (3351) SE TWENTY-THIRD AVE & California. Alter store and dwlg.
 Owner.....Thomas Hart, 2840 California, San Francisco.
 Architect.....None.
 Contractor.....John V. Stiefel, 184 23rd Ave., San Francisco.
 COST, \$1470

ALTERATIONS

(3352) NOS. 766-768 MARKET. Alter store front.
 Owner.....Jas. D. Phelan, 603 Phelan Bldg., San Francisco.
 Architect.....C. Gotschalk, Phelan Bldg San Francisco.
 Day's work.....COST, \$100

FRAME DWELLING

(3353) W HOWTH 75 N Mt. Vernon. One-story and basement frame dwlg.
 Owner.....G. I. Pehrson, Premises.
 Architect.....None.
 Day's work.....COST, \$1200

FRAME RESIDENCE

(3354) W SEVENTEENTH AVE 25 N California N 75xW 75. Carpenter, mill, plastering, hardware, mantels, electric fixtures, shades, etc. tinting, papering and painting, etc., for two-story frame residence.
 Owner.....Delmar Smith Clinton 253 Montgomery, S. F.
 Architect.....None.
 Contractor.....Emil Nelson, 430 26th Ave., San Francisco.
 Filed Nov. 18, '16. Dated Nov. 15, '16.
 White coat plaster on and 2nd coat on fronts, brown coat on basement, glazed windows in place.....\$1312.50
 All mill work in place.....1262.50
 Completed and accepted.....1262.50
 Usual 35 days.....1262.50
 TOTAL COST, \$5100.00
 Bond, \$2325. Surety, Massachusetts Bonding & Insurance Co. Limit, 45 days after Nov. —. Forfeit, \$25. Plans and specifications filed.

FRAME APARTMENTS

(3355) S SACRAMENTO 142-9 E Franklin E 55xS 127-84. All work for three-story and basement frame apartments.
 Owner.....Max and Dora Kolander, Benedict Apts., Sacramento and Polk, S. F.
 Architect.....E. H. Denke, 1317 Hyde, San Francisco.
 Contractor.....F. G. Denke, 1317 Hyde, San Francisco.
 Filed Nov. 18, '16. Dated Nov. —, '16.
 2nd floor joists.....\$531.25
 Enclosed and roof on.....5531.25
 1st coat plaster on.....5531.25
 Completed.....5531.25
 Usual 35 days.....7375.00
 TOTAL COST, \$29,500.00
 Bond, \$14,750. Sureties, E. H. and Ella H. Denke. Limit, 90 days. Forfeit, \$2.50. Plans and specifications filed.

ALTERATIONS

(3356) NO. 2550 BROADWAY. All work for alterations to residence.
 Owner.....A. R. Fritsch, 433 California, San Francisco.
 Architect.....Albert Farr, 63 Post, S. F.
 Contractor.....William Martin, 110 Jessie, San Francisco.
 Filed Nov. 18, '16. Dated Nov. 17, '16.
 As work progresses.....75%
 Usual 35 days.....25%
 TOTAL COST, \$6833
 Bond, \$3417. Surety, New Amsterdam Casualty Co. Limit, 75 days. Forfeit, none. Plans and specifications filed.

CONCRETE FLOOR

(3357) NOS. 1051-55 GRANT AVE. Concrete floor.
 Owner.....Sullivan Estate Co., Flatiron Bldg., S. F.
 Architect.....None.

Contractor..Rasmussen Maillard, 110
Jessie, San Francisco.

COST, \$425

ELECTRIC SIGN

(3358) NO. 183 ELLIS. Electric sign.
Owner.....Chris. Antoniadis, Prem.
Architect...None.
Contractor..Brumfield Elec. Sign Co.,
15 7th, San Francisco.

COST, \$400

INTERIOR FINISH

(3359) NO. 124 GRANT AVE Interior
finish for store.
Owner.....Joseph Musto Estate.
Architect...None.
Contractor..L. & E. Emanuel, 144 12th,
San Francisco.

COST, \$1800

FRAME APARTMENTS

(3360) S GROVE 165 E Gough. Three-
story and basement frame (12) apart-
ments.
Owner.....T. Scannavino, 270 Guy
Ave., San Francisco.
Architect...Louis Mastropasqua, 580
Washington, San Francisco
Day's work. COST, \$12,000
NOTE:—Building is ready for plaster

LIGHT FIXTURES, ETC.

(3361) NO. 430 CALIFORNIA. Orna-
mental plastering, ceiling, light fix-
tures, etc., on 1st floor.
Owner.....National City Co., 424 Cal-
ifornia, San Francisco.
Architect...Ward & Blohme, Alaska
Commercial Bldg., S. F.
Contractor..J. W. Cobby, 180 Jessie,
San Francisco.

COST, \$3000

REPAIRS

(3362) NO. 405 WALLER. Repair
bakery.
Owner.....P. Grethel, Premises.
Architect...None.
Day's work. COST, \$400

ADDITION

(3363) NO. 742 NINTH AVE. Add
porch.
Owner.....Mary Simon, 729 9th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$400

REPAIRS

(3364) NO. 219 TARA. Repair cottage
Owner.....E. Nicholson, 56 Valley,
San Francisco.
Architect...None.
Day's work. COST, \$100

ALTERATIONS

(3365) NO. 615 BROADWAY. New
partitions doors and shelving.
Owner.....P. J. Ubes, Flatiron Bldg.,
San Francisco.
Architect...None.
Contractor..The Arli Co., 1527 Pine,
San Francisco.

COST, \$125

REPAIRS

(3366) SE EDDY AND FRANKLIN.
Repair fire damage to frame apart-
ments.
Owner.....Mrs. Jackson & Estate,
1646 Fell, San Francisco.
Architect...T. Paterson Ross, 310 Cal-
ifornia, San Francisco.
Contractor..E. J. Montgomery, 1320
Broadway, San Francisco.

COST, \$6000

FRAME RESIDENCE

(3367) N SOUTHWOOD 243 W Mira-
mar. One-story and basement frame
residence.
Owner.....F. and W. Smith, 35 Delano
Ave., San Francisco.
Architect...None.
Contractor..Smith Bros., 35 Delano
Ave., San Francisco.

COST, \$2300

FRAME RESIDENCE

(3368) N SOUTHWOOD 268 W Mira-
mar. One-story and basement frame
residence.
Owner.....F. and W. Smith, 35 Delano
Ave., San Francisco.
Architect...None.
Contractor..Smith Bros., 35 Delano
Ave., San Francisco.

COST, \$2300

FRAME RESIDENCE

(3369) N SOUTHWOOD 193 W Mira-
mar. One-story and basement frame
residence.
Owner.....F. and W. Smith, 35 Delano
Ave., San Francisco.
Architect...None.
Contractor..Smith Bros., 35 Delano
Ave., San Francisco.

COST, \$2600

FRAME RESIDENCE

(3370) N SOUTHWOOD 278 W Mira-
mar. One-story and basement frame
residence.
Owner.....F. and W. Smith, 35 Delano
Ave., San Francisco.
Architect...None.
Contractor..Smith Bros., 35 Delano
Ave., San Francisco.

COST, \$2600

ALTERATIONS

(3371) NO. 360 POST. New show win-
dows, partitions, marble work, etc.
Owner.....Winship Estate, Premises.
Architect...W. H. Weeks, 72 Post,
San Francisco.
Contractor..Dan R. Wagner, 110 Jessie
San Francisco.

COST, \$900

BRICK WORK, ETC.

(3372) SW POWELL AND WASHING-
ton. Brick work for three-story and
basement brick (9) apartments and
stores.
Owner.....Mealey & Collins, 46 Kear-
ny, San Francisco.
Architect...W. G. Hind, 46 Kearny,
San Francisco.

Day's work. COST, \$—

PLUMBING ON ABOVE.

Contractor..J. H. Pinkerton, 2266 Ful-
ton, San Francisco.

COST, \$—

STRUCTURAL IRON ON ABOVE

Contractor..Sunset Iron Works, 1124
Polson, San Francisco.

COST, \$—

MILL WORK ON ABOVE.

Contractor..J. P. Lorden Mill Co., 451
5th, San Francisco.

COST, \$—

NOTE:—Cost of entire building will
amount to \$25,000.

PAVEMENT

(3376) KING, bet. Gale and Second.
All work for 11,000 square feet basalt
block pavement.
Owner.....Southern Pacific Co, Flood
Bldg., San Francisco.

Architect...None.

Contractor..D. L. Bierfield & Co., The
Ian Bldg., San Francisco.
Filed Nov. 20, '16. Dated Sept. 25, '16.
Usual 35 days after completed and
accepted

TOTAL COST, 32 cents per sq. ft. for
new basalt block pavement and 16 cent
per sq. ft. for secondhand basalt block
pavement.

Bond, \$1750. Surety, California Casu-
alty Co. Limit, 30 days after com-
mencing. Forfeit, none. Plans and
specifications filed.

EXCAVATING, ETC.

(3377) SW EDDY AND VAN NESS
Ave W 125x8 120. Excavating, con-
crete construction and carpentry
work for building.

Owner.....Isabel Sprague, Trustee of
W. T. Wallace Trust Estat
422 Montgomery, S. F.

Architect...Willis Polk & Co., Hobart
Bldg., San Francisco.

Contractor..W. D. Henderson, Monad-
nock Bldg., San Francisco.

Filed Nov. 20, '16. Dated Nov. 17, '16.
On or before 15th of each month 75%

Usual 35 days. COST, \$23,900

TOTAL COST, \$22,900
Bond, \$11,450. Surety, New Amsterdam
Casualty Co. Limit, Jan. 31, 1917. For-
feit, \$20. Plans and specifications filed

BRICK APARTMENTS

(3378) W LEAVENWORTH 85 N Post.
Carpentry work for four-story and
basement brick Class "C" (8) apart-
ments.

Owner.....J. B. Schroeder.
Architect...Falch & Knoll, Hearst
Bldg., San Francisco.

Day's work. COST, \$—

EXCAVATING AND CONCRETE

work on above.
Contractor..Camp & Carillon, 180 Jes-
sie, San Francisco.

COST, \$—

BRICK WORK ON ABOVE.

Contractor..Hogberg & Ludwig, 180
Jessie, San Francisco.

COST, \$—

PLUMBING ON ABOVE.

Contractor..E. V. Lacey.

COST, \$—

HEATING AND VENTILATING

on above.
Contractor..Atlas Heating & Ventilat-
ing Co., 72 Freelon, S. F.

COST, \$—

SHEET METAL WORK ON

above.
Contractor..Western Furnace & Cor-
nice Co., 1645 Howard, S. F.

COST, \$—

ELECTRIC WORK ON ABOVE

Contractor..American Elec. & Eng. Co.,
1723 Polk, San Francisco.

COST, \$—

STRUCTURAL IRON AND FIRE

escapes on above.
Contractor..L. Schaffer, 364 10th, S. F.

COST, \$—

NOTE:—Entire cost of building will
amount to about \$25,000.

FRAME DWELLING

(3386) W ATALAYA 41-8 N Fulton.
Two-story and basement frame dwlg.
Owner.....W. J. Keenan, Masonic and

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not FOUR WHEEL DRIVE.

On the F-W-D Truck every wheel is a **Driving Wheel**. The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. So the F-W-D lasts years longer. The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“ Every Owner a Booster ”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;

Salt Lake City

Fulton, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME DWELLING
 (3387) W ATALAYA 100 N Fulton.
 Two-story and basement frame dwlg.
 Owner.....W. J. Keenan, Masonic and
 Fulton, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME DWELLING
 (3388) W ATALAYA 129-2 N Fulton.
 Two-story and basement frame dwlg.
 Owner.....W. J. Keenan, Masonic and
 Fulton, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME DWELLING
 (3389) W ATALAYA 70-10 N Fulton.
 Two-story and basement frame dwlg.
 Owner.....W. J. Keenan, Masonic and
 Fulton, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME DWELLING
 (3390) SE LAIDLEY AND MATEO.
 One-story and basement frame dwlg.
 Owner.....Thos. Ennis, 216 Richland
 Ave., San Francisco.
 Architect...None.
 Day's work. COST, \$800

ADDITION
 (3391) NO. 2835 FILBERT. Add to and
 alter dwelling.
 Owner.....A. C. Bach, Premises.
 Architect...None.
 Contractor...Robt. G. Black, 914 Buena
 Vista Ave., Alameda.
 COST, \$500

CEMENT FOUNDATION
 (3392) NO. 323 MORAGA. Cement
 foundation and ratproofing.
 Owner.....C. Brock, Premises.
 Architect...None.
 Contractor...F. Crothers, 1426 10th Ave.,
 San Francisco.
 COST, \$100

EXCAVATE, ETC.
 (3393) NOS. 201-219 FREDERICK.
 Excavate, cement floors, etc.
 Owner.....B. Huth, 633 Broadway,
 San Francisco.
 Architect...J. A. Porporato, 619 Wash-
 ington, San Francisco.
 Contractor...A. Seghieri & Bros., 35
 Cook, San Francisco.
 COST, \$650

FRAME RESIDENCE
 (3394) W TWENTY-SIXTH AVE 25 N
 Cabrillo. Two-story and basement
 frame residence.
 Owner.....A. Harrington, 10 Judah,
 San Francisco.
 Architect...Koenig & Christiansen,
 Humboldt Bank Bldg, S. F.
 Day's work. COST, \$3000

FRAME RESIDENCE
 (3395) W TWENTY-SIXTH AVE 75 N
 Cabrillo. Two-story and basement
 frame residence.
 Owner.....A. Harrington, 10 Judah,
 San Francisco.
 Architect...Koenig & Christiansen,
 Humboldt Bank Bldg, S. F.
 Day's work. COST, \$3000

FRAME RESIDENCE
 (3396) W TWENTY-SIXTH AVE 50 N
 Cabrillo. Two-story and basement
 frame residence.

Owner.....A. Harrington, 10 Judah,
 San Francisco.
 Architect...Koenig & Christiansen,
 Humboldt Bank Bldg, S. F.
 Day's work. COST, \$3000

FRAME RESIDENCE
 (3397) W TWENTY-SIXTH AVE 100 N
 Cabrillo. Two-story and basement
 frame residence.
 Owner.....A. Harrington, 10 Judah,
 San Francisco.
 Architect...Koenig & Christiansen,
 Humboldt Bank Bldg, S. F.
 Day's work. COST, \$3000

EXCAVATION, ETC.
 (3398) N MISSION 225 W Fourth 50x
 90. Excavation, grading, bulkhead-
 ing, etc. for building.
 Owner.....A. Aronson.
 Architect...M. I. Schwartz, Nevada
 Bank Bldg, San Francisco.
 Contractor...John Carlin, 77 Hoff Ave.,
 San Francisco.
 Filed Nov. 21, '16. Dated Nov. 21, '16.
 Work 50% completed.....\$200
 Completed and accepted.....300
 Usual 35 days.....200
 TOTAL COST, \$500
 Bond, none. Limit, 25 days after Nov.
 23. Forfeit, none. Plans and specifica-
 tions, none.

FRAME FLATS
 (3399) N BROADWAY 127-6 W Jones
 W 22xN 60. All work for two-story
 and basement frame flats.
 Owner.....Gaetano Carniglia, Prem.
 Architect...L. Traverso, 854 Union,
 San Francisco.
 Contractor...Serafino Montani, 1753
 Greenwich, San Francisco
 Filed Nov. 21, '16. Dated Nov. 20, '16.
 Enclosed and roof on.....\$1006.25
 Brown coated 1006.25
 Completed and accepted..... 1006.25
 Usual 35 days..... 1006.25
 TOTAL COST, \$4025.00
 Bond, \$2612.50. Sureties, L. Boicelli
 and Jos. A. Florio, Limit, \$6 days from
 Nov. 21. Forfeit, none. Plans and
 specifications filed.

FRAME RESIDENCE
 (3400) SE WASHINGTON & GOUGH
 S 45-24x E 137-6. All work for three
 story and basement frame residence.
 Owner.....Kathleen Y. Thieriot, 1919
 California, S. F.
 Plans by Contractor.
 Contractor...S. A. Born Bldg. Co., 660
 Market, San Francisco.
 Filed Nov. 22, '16. Dated Nov. 21, '16.
 Frame up and sheathing on.....\$5599.75
 Brown coated 5599.75
 Completed 5599.75
 Usual 35 days..... 5599.75
 TOTAL COST, \$22,349.00
 Bond, none. Limit, 100 days. Forfeit,
 none. Plans and specifications filed.

FRAME COTTAGES
 (3401) SW MISSION AND COLLEGE
 Terrace W 100xS 52-8. All work for
 four one and one-half-story frame
 cottages.
 Owner.....J. H. Kruse, 23rd & Folsom,
 San Francisco.
 Architect...Jos. M. Geary, 2581 Post,
 San Francisco.
 Contractor...C. Wengard, 1286 34th Ave.,
 San Francisco.
 Filed Nov. 22, '16. Dated Nov. 21, '16.
 Frame of each building up, \$647.50
 each \$2590
 Each building brown coated, 647.50
 each 2590

Each building completed and ac-
 cepted, \$647.50 each..... 259
 Usual 35 days..... 239
 TOTAL COST, \$10,36
 Bond, none. Limit, 120 days. Forfeit
 none. Plans and specifications filed.

FRAME DWELLING
 (3402) W TWENTY-SEVENTH AVE
 275 S Lincoln Way. Two-story frame
 dwelling.
 Owner.....Fernando Nelson, 2701 Lin-
 coin Way, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME DWELLING
 (3403) E ARGUELLO BLVD 142 N
 Parnassus Ave. Two-story and base-
 ment frame dwelling.
 Owner.....Fernando Nelson, 2701 Lin-
 coin Way, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME DWELLING
 (3404) E ARGUELLO BLVD 69 S Cali-
 fornia. Two-story and basement
 frame dwelling.
 Owner.....Fernando Nelson, 2701 Lin-
 coin Way, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME DWELLING
 (3405) E TWENTY-NINTH AVE 265
 S Irving. One and one-half-story
 frame dwelling.
 Owner.....Fernando Nelson, 2701 Lin-
 coin Way, San Francisco.
 Architect...None.
 Day's work. COST, \$2000

FRAME RESIDENCE
 (3406) W TWENTY-FIRST AVE 25 S
 Clement. Two-story and basement
 frame residence.
 Owner.....Johnson & Johnson, 844
 14th, San Francisco.
 Architect...None.
 Day's work. COST, \$2900

FRAME RESIDENCE
 (3407) W TWELFTH AVE 150 S Ca-
 brillo. Two-story and basement
 frame residence.
 Owner.....J. M. Peters, 1010 Balboa,
 San Francisco.
 Architect...None.
 Day's work. COST, \$3000

FRAME DWELLING
 (3408) N CABRILLO 95 W 22nd Ave.
 One-story and basement frame dwlg.
 Owner.....Jas. F. Gonsler, 2150 Ca-
 brillo, San Francisco.
 Architect...None.
 Contractor...Henry Baumann, 623 22nd
 Ave., San Francisco.
 COST, \$800

ALTERATIONS
 (3409) NO. 2319 BUCHANAN. Alter
 residence.
 Owner.....Henri Marx, 133 Geary,
 San Francisco.
 Architect...W. G. Hind, 46 Kearny,
 San Francisco.
 Day's work. COST, \$900

FRAME DWELLING
 (3410) N SHAFTER 225 E Keith.
 One-story and basement frame dwlg.
 Owner.....T. L. Sharmen, 1440 Shafter
 Ave., San Francisco.
 Architect...None.
 Day's work. COST, \$1350

REPAIRS

(3411) **E LAGUNA** 50 S Lombard.
General repairs for laundry.
Owner.....Mary Schilling, 2209 Jack-
son, San Francisco.
Architect...None.
Day's work. COST, \$800

APARTMENTS

(3412) **N EDDY** 275 W Larkin. Four-
story and basement reinforced con-
crete (24) apartments.
Owner.....Michael Dempniak, 1574
Jackson, San Francisco.
Architect...None.
Day's work. COST, \$37,500

FRAME RESIDENCE

(3413) **W ELEVENTH AVE** 200 S Anza.
Two-story and basement frame resi-
dence.
Owner.....A. T. Morris, 501 11th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$2900

FRAME RESIDENCE

(3414) **W TENTH AVE** 25 S Balboa.
Two-story and basement frame resi-
dence.
Owner.....C. A. Hall, 1318 5th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$3000

FRAME APARTMENTS

(3415) **W SIXTH** 75 N Bryant N 50x
W 90. All work for three-story frame
building, store and apartments.
Owner.....W. G. Hind, 46 Kearny,
San Francisco.
Architect...None.
Contractor...A. E. Hind, 46 Kearny,
San Francisco.
Filed Nov. 23, '16. Dated Nov. 22, '16.
Roof on\$3500
Brown coated 3500
Completed and accepted 3500
Usual 35 days..... 3500
TOTAL COST, \$14,000
Bond, \$7000. Sreties, J. H. McCallum
and E. O. Benner. Limit, 90 days. For-
feit, none. Plans and specifications
filed

CONCRETE BUILDING

(3416) **W VAN NESS AVE** 50 N Pine.
Plumbing and electric work for a
three-story concrete building.
Owner.....A. C. Kuhn, Wehner Road,
San Jose, Cal.
Architect...W. H. Weeks, 75 Post,
San Francisco.
Contractor...Otto Kuriz, 445 Stevenson,
San Francisco.
Filed Nov. 23, '16. Dated Nov. 15, '16.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$3759
Bond, \$1579.50. Surety, Massachusetts
Bonding & Insurance Co. Limit, 120
days. Forfeit, \$10. Plans and speci-
fications filed.

ELEVATORS

(3417) **ON VAN NESS AVE** near Pine.
All work for one electric freight
elevator, 1 electric garage elevator
and 2 hand power dumb waiters for
building.
Owner.....A. C. Kuhn, Wehner Road,
San Jose, Cal.
Architect...W. H. Weeks, 75 Post,
San Francisco.
Contractor...Otis Elevator Co., Beach
& Stockton, San Francisco.
Filed Nov. 23, '16. Dated Nov. 16, '16.
On shipment of engine..... 1/2

Engine in permanent position. 1/4
Completed 1/4
TOTAL COST, \$5580
Bond, limit, forfeit, none. Plans and
specifications filed.

CONCRETE CURBS, ETC.

(3418) **OAKDALE AVE.**, bet. Quinl
and Phelps and termination of Dun-
shie street. All work for concrete
curbs and asphalt pavement approxi-
mately 600 lineal feet concrete curb
and 15,000 sq. ft. asphalt pavement.
Owner.....Southern Pacific Co., Flood
Bldg., San Francisco.
Architect...None.
Contractor...Flinn & Treney Contract-
ing Co., 1st National Bank
Bldg., San Francisco.
Filed Nov. 23, '16. Dated July 10, '16.
Usual 35 days after completed and
accepted.....All money due
TOTAL COST—Concrete curb, 65 cts.
per lineal ft.; asphalt pavement, 1 cts.
per square foot.
Bond, \$2000. Surety, Massachusetts
Bonding & Insurance Co. Limit, 140
days. Forfeit, none. Plans and speci-
fications filed.

COMPLETE FLAT

(3419) **NO. 321 UNION.** Complete
basement flat.
Owner.....Theo. Wores.
Architect...M. G. Bugbee, 619 Wash-
ington, San Francisco.
Contractor...F. H. Field, 23rd Ave and
23rd St., Oakland.
COST, \$500

FRAME DWELLING

(3420) **W MADISON** 200 S Stillman.
One-story and basement frame dwlg.
Owner.....Marie Rapalsky, 116 Madis-
on, San Francisco.
Architect...None.
Day's work. COST, \$450

SHOW WINDOWS

(3421) **NO. 49 GEARY.** New show
windows.
Owner....."Cherry's" 1009 Market,
San Francisco.
Architect...None.
Contractor...Fink & Schindler Co., 228
13th, San Francisco.
COST, \$475

ALTERATIONS

(3422) **NO. 111 EMBARCADERO.** Alter
saloon.
Owner.....L. P. Rosovich, 2817 Bush,
San Francisco.
Architect...None.
Contractor...Kusich & Spiletak, 581
Valencia, San Francisco.
COST, \$750

ALTERATIONS

(3423) **NO. 561 GRANT AVE.** Alter
store.
Owner.....Moon Fong, 868 Stockton,
San Francisco.
Architect...None.
Contractor...Wong Shang, 827 Sacra-
mento, San Francisco.
COST, \$100

FRAME RESIDENCE

(3424) **E SEVENTEENTH AVE** 150 N
Balboa. Two-story and basement
frame residence.
Owner.....Costello & Feerick, 204 San
Carlos Ave., San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME RESIDENCE

(3425) **E SEVENTEENTH AVE** 125 N
Balboa. Two-story and basement
frame residence.
Owner.....Costello & Feerick, 204 San
Carlos Ave., San Francisco.
Architect...None.
Day's work. COST, \$3000

MILL WORK

(3426) **LOCATION NOT GIVEN.** Mill
work, except sash for a sun porch at
Hotel Whitecomb.
Owner.....James Otis Trustee, 310
California, San Francisco.
Architect...Wright & Rushforth, 354
Pine, San Francisco.
Contractor...Spencer Street Planning
Mill, 50 Spencer St., S. F.
Filed Nov. 24, '16. Dated Nov. 23, '16.
Material delivered complete and
accepted\$1350
Completed and accepted..... 450
TOTAL COST, \$1800
Bond, \$900. Surety, U. S. Fidelity &
Guaranty Co. Limit, 90 days. Forfeit,
\$10. Plans and specifications filed.

ALTERATIONS

(3427) **NW FULTON & DIVISADERO**
60x117. Alterations to frame build-
ing, except wall beds, finish hard-
ware on 2nd floor and painting.
Owner.....William Crocker.
Architect...None.
Contractor...A. M. Wallen, 251 Kearny,
San Francisco.
Filed Nov. 24, '16. Dated Nov. 22, '16.
Frame of kitchens up, rat proof-
ing and store floor laid..... 796.85
Rough plumbing & electric work
in 796.90
Plastering completed 796.85
Completed and accepted..... 796.90
Usual 35 days..... 1062.50
TOTAL COST, \$4250.00
Bond, \$1500. Sureties, P. J. Carney and
Gustave Peterson. Limit, 75 days.
Forfeit, none. Plans and specifications
filed.

ADDITIONS

(3428) **MARKET AND FOURTH.** All
work for additions and omissions
to steel and iron work as provided in
former contract for theatre building.
Owner.....Market Street Realty Co.
Architect...Alfred Henry Jacobs, 110
Sutter, San Francisco.
Contractor...Golden Gate Iron Works,
1541 Howard, S. F.
Filed Nov. 21, '16. Dated Nov. 21, '16.
On approval by architect.....\$2500
Completed and accepted..... 1250
Usual 35 days..... 1250
TOTAL COST, \$5000
Bond, \$7500. Surety, New Amsterdam
Casualty Co. Limit, forfeit, none.
Plans and specifications filed.

LEASE.

SAN FRANCISCO COUNTY.

Nov. 23, 1916—**NW EIGHTH AND**
Brannan; No. 900 Brannan. Moses
Ellis, Trustee Moses Ellis Real Estate
Trust to F. J. Marty. 5 years. \$10-
500.
Nov. 21, 1916—**NO. 5310 GEARY.** John
Chas Thomas to John H. De Cuir and
Frances de Cuir. 1 years. \$26 per
month, etc.
Nov. 21, 1916—**NO. 1029 MARKET.** A.
J. Valladi to Alek Mastoras and An-
tonio Hadyopoulos. 3 years. \$80 per
month.

CESSATION OF LABOR.

SAN FRANCISCO COUNTY.

Nov. 23, 1916—SE HAYES AND OCTAVIA E 62-6xS 120. Daniel M Moran to F H Masow and J M Morrison (as Masow & Morrison) work ceased Nov. 1, 1916

NOTICE OF NON-LIABILITY.

SAN FRANCISCO COUNTY.

Nov. 20, 1916—NOS. 1051-1055 GRANT Ave. Sullivan Estate Co as to improvements on leased property...

INCORPORATIONS.

SAN FRANCISCO COUNTY.

Imperial Realty Co. Capital Stock, \$100,000; subscribed, \$300; shares, \$100 each. Directors—D. Livingston, E. Livingston, I Brown, 1 share each. Place of business, San Francisco.

Pacific Concrete and Mosaic Works. Capital Stock, \$5,000; subscribed, \$3; shares, \$1 each. Directors—M. Bertolino, J. Diestel, A. W. Liechti, 1 share each. Place of business, San Francisco

CONTRACT LET FOR STORE FIXTURES.

The contract has been awarded by Cherry's Clothing Company to the Fink & Schindler Company to install the new store front and store fixtures at their new store at 48 Geary street.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED

Nov. 4, 1916—W TENTH AVE 125 S Balboa S 25x120. Alfred T Morris to whom it may concern. Nov. 4, 1916 Nov. 4, 1916—W MISSISSIPPI 216 S 20th 25x100. Philip W Montrouil to whom it may concern. Nov. 2, 1916 Nov. 4, 1916—E LYON 153-07 N Green N 40-03 E 69-2 S 30 W 8-83 S 10 W 61-115. Chas L and Olga Barrett to William W Rednall. Nov. 2, 1916 Nov. 4, 1916—SE NORTH POINT & Powell E 206-3xS 275. James F Leahy, vice president of Simmons Co., lessee to Lindgren Co. Oct. 30, '16 Nov. 4, 1916—N SECOND & FEDERAL NE 229xNW 160. M J Cebrian to Larsen & Sampson. Oct. 31, 1916 Nov. 4, 1916—SW FOLSOM AND 26TH W 170 S 150-94 m or 1 S 86 deg 35 min E 175 m or 1 N 173. Board of Trustees of Cogswell Polytechnic College by John H Sammi, Sec to Lange & Bergstrom. Oct. 25, 1916 Nov. 6, 1916—W JONES 167-6 S Green S 25xW 110. A S Mausaunt to R H McKenzie. Oct. 30, 1916 Nov. 6, 1916—W TWELFTH AVE 100 S Cabrillo S 25xW 120. Jno M Peters to whom it may concern. Nov. 4, 1916 Nov. 6, 1916—SW ELLIS AND HYDE W 57-6xS 82-6. D & S Investment Co to Roy Mauvais. Nov 1; H Maundrell, Oct. 28; The Turner Co. Nov. 1, 1916 Nov. 6, 1916—S BUSH 166 E Jones E 54-6xS 137-6. Clyde S Payne to Fidelity Constr Co. Nov. 3, 1916 Nov. 6, 1916—SE BLUXOME 359 NE 6th NE 70xSE 125. F S Moody and

Moody Estate Co to whom it may concern. Nov. 4, 1916 Nov. 6, 1916—NW ARLINGTON 30 NE Natick NE 30xNW 75 being Lot 14 Jones Add'n to Fairmount. John and Mary Mowat to whom it may concern. Nov. 1, 1916 Nov. 6, 1916—E SANSOME 139-23 S California — 46-7 m or 1 by 137-6. Martin Sachs Co to whom it may concern. Nov. 6, 1916 Nov. 6, 1916—W THIRTY-FOURTH AVE 200 S Balboa S 25xW 120. Leigh & Schultz to whom it may concern. Nov. 6, 1916 Nov. 8, 1916—NW CABRILLO and 12th Ave N 29xW 90. Margarettha J. Koenig to whom it may concern. Nov. 8, 1916 Nov. 8, 1916—N VALLEJO 240-734 W Scott, W 27-6xN 137-6. Grayson Dutton to J S Hannah. Oct. 20, 1916 Nov. 8, 1916—S NEWCOMB AVE 200 E Mendall, E 25xS 100. Jean Rey to J. B. Bourdeau and L. P. Lauchen. Oct. 31, 1916 Nov. 8, 1916—E FILLMORE 100 S Broadway, 37-6x63-9. Anna Hadlik to Otto Carson. Nov. 8, 1916 Nov. 8, 1916—W HOWARD 127-6 S 21st, W 132-1 more or less S 90 E 132-6 more or less N 90. St. John's Lutheran Congregation to L. A. Kern. Nov. 4, 1916 Nov. 9, 1916—S FARRALONES 175 E Plymouth E 75xS 125 Ptn Lots 1 and 2 Blk "K" R R Hd Ass'n. D Houle to whom it may concern. Nov. 2, 1916 Nov. 9, 1916—W UTAH 250 N 24th. Emil Lager to Joel Johnson. Nov. 9, 1916 Nov. 10, 1916—SW FOLSOM AND 26th W 170 S 150-94 m or 1 S 86 deg 35 min E 175 m or 1 N 173. John H Sammi, Sec. of Board of Trustees of Cogswell Polytechnic College to Lange & Bergstrom. Nov. 3, 1916 Nov. 10, 1916—E BRYANT 57-234 N Army N 30xS 75. Amalia Kestler to J Witzelberger. Nov. 10, 1916 Nov. 10, 1916—LOTS 13 TO 15, Ashbury Terrace Sub No. 2. Co-operative Home Bldrs Co, Inc to whom it may concern. Nov. 8, 1916 Nov. 10, 1916—N SACRAMENTO 177-6 W Van Ness Ave. Theodora Newman or Theodora E Newman to Hemminga Bros, Inc. Nov. 10, 1916 Nov. 10, 1916—W TWENTIETH AVE 350 S Geary S 25xW 120. Alfred Nov. 9, 1916—SW BUSH AND MASON W 62-6xS 57-6. M A Little to M A Little. Nov. 9, 1916 Nov. 13, 1916—E TWENTIETH AVE 200 S Geary. Francis Mitchell to Grover George. Nov. 13, 1916 Nov. 13, 1916—LOT 17 SUB LOTS 3, 4, 9, 10 MIK 3 Belle Roche City for the Crescent Mill & Lumber Co. C Palma to Ghiotto Bros. Nov. 11, 1916 Nov. 14, 1916—SW ELLIS AND HYDE W 57-6xS 82-6. D & S Investment Co to Wedel Elec Co. Nov. 10, J Looney. Nov. 14, 1916 Nov. 14, 1916—N CALIFORNIA 137-6 from SE Jones and McAllister E 137-6xS 137-6. Towne Realty Co to Gas & Electric Appliance Co. Nov. 14, 1916 Nov. 15, 1916—NOS. 735 TO 745 Mission. Shields Estate Co. Ira W Cohurn. Nov. 14, 1916 Nov. 15, 1916—W FORTY-THIRD AVE 100 S Cabrillo. John J Binet & Co to whom it may concern. Nov. 10, 1916 Nov. 15, 1916—W TWENTY-FIRST AVE 250 S California 25x120. Martin F Nolan to whom it may concern. Nov. 8, 1916

Nov. 15, 1916—E RITCH 75 N Harrison N 25xS 80. Fong Mow and Pong Suey to W E Greene. Nov. 14, '16 Nov. 14, 1916—SW ELLIS AND HYDE W 57-6xS 82-6. D & S Investment Co to whom it may concern. Nov. 14, 1916 Nov. 16, 1916—NO. 665 THIRTY NEAR Townsend. M J Brandenstein & Co to Wm Bateman. Nov. 16, 1916 Nov. 16, 1916—NE RUSSELL AND Eastman 20x55. Louis Pastorino to whom it may concern. Nov. 15, '16 Nov. 16, 1916—W BATTERY 45-10 N Pine N 140-2 W 137-6 E 137-6. Kenneth MacDonald Jr to C E Lamburth. Nov. 16, 1916 Nov. 16, 1916—SE TWENTIETH Ave and California 25x95 — California 95 E 20th Ave S 100 E 25 N 100. Edward E Ginley to whom it may concern. Nov. 16, 1916 Nov. 16, 1916—SE CUMBERLAND & Dolores S 89 E 105 S 25 E 25 N 114 W 150. Second Church of Christ Scientist, Inc. to Central Iron Wks. Nov. 16, 1916 Nov. 17, 1916—S VALLEJO 112-6 W Octavia W 25 S 137-6 E 3 N 37-6 E 25 N 100. Minnie Morgenthal (as Gdn Estate Anton James Morgenthal, minor) to O E Nelson. Nov. 13, 1916 Nov. 17, 1916—NE NEWCOMB AVE 100 NW Rankin NW 50xNE 100; Lots 29 and 30 Blk 262 O'Neil & Haley Tract. Clemente Torres to William Miller. Nov. 15, 1916 Nov. 17, 1916—LOT 37 Blk 25 Crocker Amazon Tract. United States Bldg Realty & Invest Co to whom it may concern. Nov. 13, 1916 Nov. 17, 1916—SW CALIFORNIA & 23rd Ave W 32-6xS 75. E A Sinclair to Ruegg Bros. Nov. 11, 1916 Nov. 18, 1916—E SEVENTEENTH AV 75-11 N Clement N 50xS 120. Otto E Anderson to whom it may concern. Nov. 14, 1916 Nov. 18, 1916—FIRST AND ALICE, Okd. Southern Pacific Co to Ransome-Crummey Co. Nov. 17, 1916 Nov. 18, 1916—SE 40 LOT 1 ELK 12 Map Boulevard Park, Okd. Soren C Besgard to J A Jensen. Nov. 17, 1916 Nov. 18, 1916—NW REVERE AVE 75 NW Keith NW 25xNE 100 Ptn Lot 15 Blk 349 South S. F. Hd & R R Ass'n. F W Coates to T L Sharmar. Nov. 8, 1916 Nov. 18, 1916—E TWENTY-SECOND Ave 75 S Clement — 50 E 12 N 25 W 37-6 N 25 W 82-6. Johnson & Johnson to whom it may concern. Nov. 15, 1916 Nov. 18, 1916—S DUNCAN 133 E Noe E 27xS 114. Jeremiah Sugrue to whom it may concern. Oct. 28, 1916 Nov. 18, 1916—W CHERRY 50-4 N Washington N 25 W 67-23 S 28-4 E 71-6. Marian Huntington to O C Holt. Nov. 14, 1916 Nov. 20, 1916—S WASHINGTON 153 W Polk W 25xS 127-6. Minnie A Hoin to whom it may concern. Nov. 20, 1916 Nov. 20, 1916—W TWENTY-FOURTH Ave 75 S California S 25xW 57-6. Louis Thoke to whom it may concern. Nov. 15, 1916 Nov. 20, 1916—S MAYNARD 250 E Crant E 25xS 100 Ptn Lot 6 Blk 9, College Homestead Association. Ignatius J and Catherine A Zabriske to E F Helms and S J Sterner. Nov. 15, 1916 Nov. 20, 1916—SW THIRTY-NINTH

Ave and Clement S 33-4xW 90.
Benjamin B Rich to Pockman &
Co.....Nov. 9, 1916
Nov. 20, 1916—W TWELFTH AVE
250 N Balboa N 25xW 120. Jose
Castanier to Chas Schwarz. Nov. 17, '16
Nov. 20, 1916—SE GREEN AND
Kearny 34x47. Giovanni Forte and
Frank Anastasi to P C Amoroso.....
Nov. 18, 1916
Nov. 21, 1916—NO. 436 O'FARRELL
Eureka Benevolent Society to
Moore & Watson.....Nov. 20, 1916
Nov. 21, 1916—E FIFTEENTH AVE
234-6 N Anza N 24-1½ E 117-9¼
m or 1 SE 24-6 m or 1 W 121-4½ m
or 1. William Bahrs to whom it
may concern.....Nov. 16, 1916
Nov. 21, 1916—SW TWENTY-THIRD
Ave and California. Shumate
Pharmacy to T H Meek Co.....
Nov. 15, 1916
Nov. 21, 1916—S SEVENTEENTH 75
W San Bruno Ave W 100xS 100.
The California School of Mechan-
ical Arts to Robert Trost. Nov. 13, '16
Nov. 21, 1916—S CALIFORNIA 32-6
W Eleventh Ave W 25x100. Jas
H Conner to whom it may concern
.....Nov. 21, 1916
Nov. 21, 1916—W PALM AVE 262-8 S
Euclid S 35-4x120. Lloyd B Ham
to whom it may concern. Nov. 21, '16
Nov. 21, 1916—S CARRILLO 82-6 W
11th Ave W 25x100. James H Con-
ner to whom it may concern.....
Nov. 21, 1916
Nov. 22, 1916—N BROADWAY 125 W
Broderick N 137-6 W 137-6 E 55.
Julia de L Welch to Schoenfeld
Marble Co.....Nov. 21, 1916
Nov. 22, 1916—S FELL 130 W Web-
ster 20x120. J Moshbacher to J S
Malloch.....Nov. 16, 1916
Nov. 22, 1916—N RUSH 137-6 W Mont-
gomery W 68-9xN 137-6. Shiels
Estate Co to Ira W Coburn.....
Nov. 20, 1916
Nov. 22, 1916—S LOBOS 75 W Ply-
mouth Ave W 25xS 125. Henry
Fremy and Josephine Vaisie to
Clovis Griffin.....Nov. 21, 1916
Nov. 23, 1916—NW EIGHTEENTH
Ave and Balboa N 25xW 82-6. Alton
R Lapham to whom it may concern
.....Nov. 22, 1916
Nov. 23, 1916—W NINTH AVE 200 S
Cabrillo S 25x120. Alfred T Morris
to whom it may concern. Nov. 14, 1916
Nov. 23, 1916—W STEINER 110 S
Green S 27-6xW 110. John Little
to whom it may concern. Nov. 22, 1916
Nov. 23, 1916—E DIVISADERO 23 S
Oak S 25xS 166-8. Carmelina Cav-
agnaro to G Ferroni & Sons.....
Nov. 21, 1916
Nov. 23, 1916—N MAYNARD 175 W
Congdon Ptn Bk & College Hd Asso-
ciation. James Quintas to Wm
H Grahn.....Nov. 14, 1916
Nov. 23, 1916—NW LARKIN & NORTH
Point N 27xW 412-6. D Ghirardelli
Co to Morrison & Co.....Nov. 20, 1916
Nov. 23, 1916—NE GEARY AND
Larkin N 80xE 47-6. Herman
Hogrefe to whom it may concern.
.....Nov. 21, 1916
Nov. 23, 1916—W BATTERY, bet.
Pine and California beg 45-10 N
Battery N 140-2xW 137-6. Kenneth
MacDonald Jr to Sibley Teaming &
Grading Co.....Nov. 22, 1916
Nov. 24, 1916—S CLEMENT 107-6 E
17th Ave E 25xS 100. Thos Hamill
to whom it may concern. Nov. 23, 1916
Nov. 24, 1916—W TRPAT AVE 155
N 22d N 30xW 122-6. Hare Tsharen
to whom it may concern. Nov. 24, 1916

Nov. 24, 1916—NE TWENTY-NINTH
Ave and Lake being Lot 9 Sub No.
2, Sea Cliff. Harry B and Laurence
D Allen to whom it may concern.....
Nov. 18, 1916
Nov. 24, 1916—E CHURCH (Dame)
375 N Randall N 25xE 125 Ptn Lot
6 Bk 23, Flint Hd Ass'n. Thomas
M Sweeney to whom it may concern
.....Nov. 23, 1916
Nov. 24, 1916—NW MADRID 75 SW
France Ave SW 25xNW 100. Chas
H Harger to whom it may concern
.....Nov. 23, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED **AMOUNT**
Nov. 10, 1916—S GEARY 68-9 W Oc-
tavia W 68-9xS 120. E A Howard
& Co vs Jacob Steur.....\$550
Nov. 10, 1916—E COLLINS 321-8 N
Geary N 25xE 120. A P Konkell,
\$168.50; Harry Costen and Wm D
Schultz, \$130 vs Jeanette and Wm
F Yates.....\$285.13
Nov. 10, 1916—E COLLINS 321-8 N
Geary N 25xE 120. Richmond Elec
Co, \$75; William F Senner, \$150 vs
Jeanette Yates and Wm F Yates.....
Nov. 10, 1916—E COLLINS 321-8 N
Geary N 25xE 120. Joost Bros,
\$140.23; Jacob Jacobsen, \$50 vs
Jeanette and Wm F Yates.....
Nov. 11, 1916—E OAKWOOD 213 S
18th S 25 E 90-3 m or 1 N 11 deg 10
min E 25 m or 1 W 87-3. Leonard
Lumber Co vs C and Mary Marchi
.....\$285.13
Nov. 13, 1916—E COLLINS 321-8 N
Geary N 25xE 120. Schwarz &
Gottlieb, \$129.75; Ickelheimer Bros,
Co, \$85 vs Jeanette & Wm F Yates
Nov. 14, 1916—E COLLINS 321-8 N
Geary N 25x120. Christenson Lum-
ber Co vs William F and Jeanette
Yates.....\$96.50
Nov. 13, 1916—NW CLARA 254-6 SW
Fifth SW 25xNW 80. Asher Elec
Co vs E F Helms, Wm A and
Gertrude M Brosnan.....\$45
Nov. 14, 1916—W THIRTY-FIRST
Ave 125 N Judah N 25xW 120. F S
Buckman vs Agnes Mulaney.....\$220
Nov. 15, 1916—NW CLARA 254-6 SW
Fifth SW 25xNW 80. R S Holding
vs E Helms and W Brosnan and
Gertrude Brosnan.....\$27
Nov. 15, 1916—NE ALLSTON WAY
99.98 SE Claremont Blvd SE 30xNE
100 Lot 16 Bk 2977 Merritt Terrace.
Wm A Clauser (as Royal Heat-
ing Co) vs C F Fallmer and F J
Hyland.....\$38.49
Nov. 15, 1916—NW CLARA 254-6 SW
5th SW 25xNW 180. A Sundberg
vs Wm A and Gertrude M Brosnan
and E F Helms.....\$52
Nov. 15, 1916—E OAKWOOD 213 S
18th S 25 E 90-3 m or 1 N 11
deg 70 min E 25 m or 1 W 87-3.
Frank Portman vs C and Mary
Marchi.....\$30
Nov. 16, 1916—NW CLARA 254-6 SW
Fifth SW 25xNW 80. Mission Lum-
ber Co, \$11.30; P Peterson, \$75 vs
Wm A and Gertrude M Brosnan.....
Nov. 16, 1916—S GEARY 68-9 W Oc-
tavia W 68-9xS 120. White Bros
vs J Steur and Progressive Inv Co.....\$35.66
Nov. 17, 1916—N SACRAMENTO 146-8
W Taylor N 120xW 27-6. Vehyle &
Collins vs Jos Bacceloco.....\$205.89

Nov. 17, 1916—N SACRAMENTO 119-2
W Taylor N 120xW 27-6. Vehyle
& Collins vs Henry Caillied Jr.....\$74
Nov. 17, 1916—W SAN JOSE AVE
23.53 N Havelock 25x100 m or 1 N
Havelock 350 m or 1 W San Jose
Ave 25x100 m or 1 N Havelock 375
m or 1 W San Jose Ave 25x100 m
or 1 N Havelock 400 m or 1 W San
Jose Ave 25x100 m or 1. Raffaele
Spinozzi, Carlo Spinozzi and Vin-
cenzo Imbresci vs A G & B Ghiotto
(as Ghiotto Bros) et al.....\$353.50
Nov. 17, 1916—NW CLARA 254-6 SW
Fifth 25xNW 80. Royal Lumber
Co vs E F Helms and W and Ger-
trude Brosnan.....\$18
Nov. 17, 1916—S GEARY 68-9 N Oc-
tavia W 68-9xS 120. Marshall &
Stearns Co vs Jacob Steur.....\$1617
Nov. 17, 1916—S GEARY 68-9 W Oc-
tavia W 68-9xS 120. W P Fuller
& Co vs Progressive Investment Co
J Steur and Jno J Solomin.....\$1700.22
Nov. 18, 1916—NW CLARA 254-6 SW
Fifth SW 25xNW 80. Cobbledick-
Kilbhe Glass Co vs W A and Ger-
trude M C Brosnan.....\$31
Nov. 18, 1916—S GEARY 68-9 W Oc-
tavia W 68-9xS 120. Tony Damico
vs J Steur and Progressive Invest
Co.....\$680
Nov. 18, 1916—E SEVENTEENTH AV
250 N Balboa N 25xE 125. L Cousin
vs Michael Costello and John Doe
Peerlick (as Costello & Peerlick).....\$155
Nov. 18, 1916—NW CLARA 254-6 SW
Fifth SW 25xNW 80. Phillip Wea-
ndunk vs Wm A and Gertrude M
Brosnan and E F Helms.....\$50
Nov. 20, 1916—N ALLSTON WAY 100
E Claremont Blvd E 30xN 100; Lot
16 Bk 2977 Merritt Terrace. A W
Dahlquist vs Frank and Nettie
Hyland.....\$80
Nov. 20, 1916—W SEVENTEENTH AV
25 N California N 75xW 75. R W
McDaniel vs F J Rodgers, The
Realty Invst Co, Albert A Russell
and D S Clinton.....\$200
Nov. 20, 1916—S BALBOA 82-6 E 21st
Ave E 25xS 100. J S Guerlin & Co
vs J P Fletcher, W T McHugh and
F Stephens.....\$218.20
Nov. 22, 1916—NW SPRUCE (AND
Sacramento 32-6x87-6. J P Hunter
vs Eugene Machol.....\$140
Nov. 22, 1916—N CLEMENT 55 W
15th Ave W 25xN 104-3. P A
Smith vs A Melander.....\$177.50
Nov. 22, 1916—E FORTY-FOURTH
Ave 137 m or 1 S Geary S 50xE 120.
The Greater City Lumber Co vs
Postal Realty Co, A McBurnes and
Geo Nenko.....\$43.50
Nov. 22, 1916—E FORTY-FOURTH
Ave 137 m or 1 S Geary S 50xE 120.
A McBurnes and Geo Nenko vs
Postal Realty Co.....\$139
Nov. 23, 1916—S DUNCAN 153 E Noe
E 27xS 114. E V Lacey vs Jeremiah
Sugrue.....\$74.50
Nov. 24, 1916—N LOBOS 75 E Ply-
mouth E 25xN 125. Clovis Griffin
vs Henry Fremy and Josephine
Vaisie.....\$550
Nov. 24, 1916—W SEVENTEENTH
Ave 25 N California N 75xW 75.
J S Guerlin & Co vs F J Rodgers,
The Realty Invst Co, Albert A
Russell, D S Clinton and F Ste-
phens.....\$315.55
Nov. 24, 1916—S KIRKHAM 57-6 W
46th Ave W 25xS 100. Peter M
Leonard vs Joseph and Martha
Klehora.....\$288.75

OAKLAND AND ALAMEDA COUNTY

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on December 5th for street work authorized under the following resolutions: That the roadway of University avenue, from West street to Third street, be graded, concrete curbs and gutters be constructed, a cast iron and concrete culvert with cast iron manhole and granite header block; the roadway be paved with asphaltic wearing surface 2 inches thick, laid on a concrete foundation 6 inches thick.

That the roadway of University avenue, from a line 100 feet westerly from and parallel to the western line of Grove street, west to the south extension of the center line of West St., be graded; concrete curbs and gutters constructed; a cast iron and concrete culvert, with two cast iron manholes and two granite header blocks; a vitrified pipe sewer be constructed in Grant street, from University avenue to the storm sewer in Addison street; a reinforced concrete catch basin be constructed and the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete foundation 6 inches thick.

APARTMENT HOUSE—2 story and base, brick veneer, \$50,000. Oakland, Cal. Architect, M. I. Diggs Syndicate Bldg., Oakland. Owner, F. G. Becker. Location, west Oak street north 11th. Will contain a large number of two, three and four room apartments. Plans complete and owner taking subfigures.

RESIDENCES—2, 2 story and base, frame, \$5,000 each. Oakland, Cal. Architect none. Owners, Blake Bros., Oakland Bank of Savings, Oakland. Location, west Acacia south Brookside. Each house will contain seven rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Oakland, Cal. Architect, none. Owner, H. C. Pfirang, 320 Forest street, Oakland. Location, east Miles avenue north Hudson. Will contain eight rooms two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$1,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, C. F. Sabelman, 1120 Monterey avenue, Berkeley. Location, west Monterey north Hopkins. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland Cal. Architect, none. Owner, Glenn R. Bell, 1568 Franklin street, Oakland. Location, south 40th east Grove. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland Cal. Architect, none. Owner, A. D. Darling, 2264 East 12th street, Oakland. Location, north east East 29th street and 23rd avenue. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, C. S. Nichols, 2568 Baker street, Berkeley. Location, west 66th

avenue south Arthur. Will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Alameda, Alameda Co., Cal. Architect, none. Owner, G. H. Noble, 2226 Central avenue, Alameda. Location, 2205 and 2207 Pacific avenue. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$3,500 each. Oakland, Cal. Architect, E. W. Cannon, Central Bank Bldg., Oakland. Owner's name withheld. Location, Lakewood Park. Each house will contain six rooms, bath and sleeping porch. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$1,000. Piedmont, Alameda Co., Cal. Architect, none. Owner, Dr. W. J. McCracken, 1327 Broadway, Oakland. Location, Lakewood Park. Will contain seven rooms, bath and sleeping porch and separate garage. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, Charles A. Werner, 2118 10th street, Berkeley. Location, west Wallace south Ward. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

FACTORY—4 story and base, brick. Cost not stated. Oakland, Cal. Engineer's name not given. Owners, California Cotton Mills, Cotton and Railroad avenue, Oakland. Location, Cotton and Railroad avenues, covering an area of 250 by 150 feet. Plans are being prepared and owners will let all contracts. Work to be started within three or four weeks.

HOSPITAL COTTAGES—6, 1 story, concrete and frame, \$100,000. Oakland, Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Revised figures are now being called for on the construction of the six cottages to be erected at the Alameda County Tubercular Hospital. Bids will be opened on December 4th.

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Am't.
2718	Abrahamson	Whalen	400
2719	Belt	Diggs	9200
2720	Alameda Co.	Littlefield	21000
2726	Moran	Warner	1200
2727	Thomas	Jarvis	1000
2728	Rothschild	Miller	700
2729	Darling	Darling	1900
2730	Bell	Bell	2000
2731	MacGregor	MacGregor	1600
2732	McCracken	McCracken	4000
2733	Sang	Young	700
2734	Swanauer	Sheridan	500
2735	Salinger	Salinger	400
2736	Nichols	Nichols	1600
2737	Title of Oakland	Schnebl	1475
2739	O'Brien	Lindsey	500
2750	Czokosnoski	Owner	150
2751	Blake	Blake	5000
2752	Same	Same	5000
2753	Pfirsang	Pfirsang	5000
2754	Lundberg	Lee	855
2755	Standinger	Nelson	600
2756	Michael	Michael	100
2757	Boyle Mkt	Nelson	6390
2758	O'Keefe	Chambers	2500
2761	McCarthy	Nunes	3635

ADDITION

(2718) NO. 375 TWELFTH, Oakland.

Brick addition.

Owner.....Abrahamson Bros., Okd.

Architect...None.

Contractor, Whalen Bros., 565 16th,

Oakland.

COST, \$400

DWELLING

(2719) CROSS ROADS & GOLDEN Gate Ave., Oakland. Two-story 12-room dwelling.

Owner.....C. L. Belt, 817 1/2 Syndicate Bldg., Oakland.

Architect...M. I. Diggs.

Contractor...M. I. Diggs, 5550 Broadway, Oakland.

COST, \$9200

ERICK WARD

(2725) COUNTY HOSPITAL SITE, Foothill Boulevard, Oakland. Brick and frame isolation ward.

Owner.....County of Alameda.

Architect...Chas. P. Weeks, Phelan Bldg., San Francisco.

Contractor...R. W. Littlefield, 565 16th, Oakland.

COST, \$21,000

ALTERATIONS

(2726) NO. 1065 FIFTY-FIFTH, Oakland. Alter two-story dwelling.

Owner.....T. W. Moran, Plaza Bldg., Oakland.

Architect...None.

Contractor...S. A. Warner, 5394 Princeton, Oakland.

COST, \$1200

ADDITION

(2727) NO. 450 SIXTY-SECOND, Oakland. Two-story addition.

Owner.....E. C. Thomas, Premises.

Architect...None.

Contractor...Walter Jarvis, 242 Oakland Ave., Oakland.

COST, \$1000

ALTERATIONS

(2728) NO. 5632 TELEGRAPH AVE., Oakland. Alterations.

Owner.....Jacob Rothschild, Premises

Architect...None.

Contractor...J. E. Miller, 1020 47th, Okd.

COST, \$700

DWELLING

(2729) NE E-TWENTY-NINTH AND 23rd Ave., Oakland. One-story six-room dwelling.

Owner.....A. D. Darling, 2264 E-21st,

Architect...None.

Day's work.

COST, \$1900

DWELLING

(2730) S FORTIETH 280 E Grove, Oakland. One-story 5-room dwlg.

Owner.....Glenn R. Bell, 1568 Franklin, Oakland.

Architect...None.

Day's work.

COST, \$2000

DWELLING

(2731) E FLEET 130 N Hampel, Oakland. One-story 4-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.

Day's work.

COST, \$1600

GARAGE

(2732) LAKEWOOD PARK Lot 14, Piedmont. One-story dwelling and garage.

Owner.....Dr. W. J. McCracken, 1327 Broadway, Oakland.

Architect...None.

Day's work.

COST, \$4000

REPAIRS

(2733) NO. 4407 LINDEN, Oakland. Fire repairs.

Wednesday, Nov. 29, 1916.

BUILDING AND ENGINEERING NEWS

19

Owner.....D. R. Young, 4510 Linden,
Oakland.
Architect...None.
Days work.....
COST, \$700

ALTERATIONS
(2734) NOS. 392 TO 399 ELEVENTH,
Oakland. Alterations.
Owner.....Dr. W. M. F. Schwaner,
Central Bank Bldg., Okd.
Architect...None.
Contractor...R. E. Sheridan, 387 11th,
Oakland.
COST, \$500

ALTERATIONS
(2735) NOS. 1117 TO 1125 BROADWAY
Oakland. Alterations.
Owner.....A. M. Salinger, 1119 Broad-
way, Oakland.
Architect...None.
Day's work.....
COST, \$400

DWELLING
(2736) W SIXTY-SIXTH AVE 350 S
Arthur, Oakland. One-story 6-room
dwelling.
Owner.....C. S. Nichols, 2768 Baker,
Berkeley.
Architect...None.
Day's work.....
COST, \$1600

ALTERATIONS
(2748) N SIXTH 100 E Washington,
Oakland. Alter fire house.
Owner.....City of Oakland.
Architect...John J. Donovan, Perry
Bldg., Oakland.
Contractor...Schnibly, Hostrawser &
Pedgrift, 6th and Jackson,
San Francisco.
COST, \$1427

ADDITION
(2749) NO. 495 TWENTY-FOURTH,
Oakland. Addition.
Owner.....J. K. Orelup, Premises.
Architect...None.
Contractor...C. G. Lindsay, 666 63rd,
Oakland.
COST, \$500

DWELLING
(2750) W 105TH AVE., bet Edes Ave
and Knight, Oakland. One-story 3-
room dwelling.
Owner.....Julius Czolksnoski, Prem.
Architect...None.
Day's work.....
COST, \$450

DWELLING
(2751) W ACACIA 500 S Brookside,
Oakland. Two-story 8-room dwlg.
Owner.....Blake Bros. Co., Oakland
Bank of Svgs Bldg., Okd.
Architect...None.
Day's work.....
COST, \$5000

DWELLING
(2752) E GOLDEN GATE AVE 600 S
Acacia, Oakland. Two-story 8-room
dwelling.
Owner.....Blake Bros. Co., Oakland
Bank of Svgs Bldg., Okd.
Architect...None.
Day's work.....
COST, \$5000

DWELLING
(2753) E MILES AVE 140 N Hudson,
Oakland. Two-story 8-room dwlg.
Owner.....H. C. Pfrang, 320 Forest,
Oakland.
Architect...None.
Day's work.....
COST, \$5000

REPAIRS
(2754) NO. 5723 DOVER, Oakland.
Fire repairs.

Owner.....M. L. Lundberg, Premises.
Architect...None.
Contractor...Jos. E. Lee.
COST, \$865

ADDITION
(2755) NO. 557 ATHENS AVE., Oak-
land. Two-story addition.
Owner.....J. Standinger, Premises.
Architect...None.
Contractor...J. C. Nielsen & Son, 849
Athens Ave., Oakland.
COST, \$600

ALTERATIONS
(2756) NO. 1092 SIXTY-SIXTH, Oak-
land. Alterations.
Owner.....R. Michel, Premises.
Architect...None.
Day's work.....
COST, \$100

CONCRETE MARKET
(2757) NE SECOND AND HARRISON
75x150. Concrete work, roofing, car-
penter and painting for one-story re-
inforced concrete market.
Owner.....Dante Market Co.
Architect...Chas. W. McCall, Central
Bank Bldg., Oakland.
Contractor...A. D. Nelson and Chas.
Forsyth, Oakland.
Filed Nov. 23, '16. Dated Nov. 22, '16.
Concrete forms in place.....\$ 988
Sheathed 1000
Walls, columns & girders poured 579
Roofed 800
Awning lumber in place..... 200
Completed, except concrete floors 225
Completed and accepted..... 1000
Usual 35 days..... 1598
TOTAL COST, \$6390

Bond, \$3195. Sureties, Mary E. Nelson
and Geo. A. Stammejoehann. Limit, 30
days. Forfeit, \$10. Bonus, \$10. Plans
and specifications filed.

DWELLING
(2758) S E-THIRTY-FOURTH 110 W
15th Ave., Oakland. One-story five-
room dwelling.
Owner.....Chambers & O'Keefe, Plaza
Bldg., Oakland.
Architect...None.
Contractor...J. F. Chambers, Plaza
Bldg., Oakland.
COST, \$2350

FRAME DWELLING
(2761) N ROSS 85 N 59th N 40 W
110.03 S 55 E 20.03 S 5 E 90, Oakland
All work for two-story frame dwell-
ing and garage.
Owner.....Nona C. McCartney, Okd.
Architect...None.
Contractor...Geo. W. Nunes, 5430 Dover,
Oakland.

Filed Nov. 24, '16. Dated Nov. 23, '16.
Frame up\$ 925
Brown coated 925
Completed 735
Usual 35 days..... 1100
TOTAL COST, \$3685

Bond, none. Limit, 100 days from Nov.
23. Forfeit, none. Plans and specifi-
cations filed.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Am't.
2726	El Dorado OH.	McDonald	4414
2727	Hall Scott	Owner	500
2728	Sahelman	Owner	1250
2723	Dice	Owner	2000
2737	Nicholls	Chapin	450
2738	Dull	Dildine	465
2759	Verner	Werner	1500
2760	Lee	Kollmer	1800

BRICK BUILDING

(2726) S BRISTOL 56-10 1/2 W Third
W 31-10 1/2 S 170-3 1/2 E 51-1 1/2 N 55-
10 1/2 E 17-4 1/2 N 67-1 1/2 W 36-7 1/2 N
46-5 1/4, Berkeley. Brick work, ce-
menting, finishing and setting cen-
ters and lintels for brick building.
Owner.....El Dorado Oil Works, Uni-
versity Ave and 2nd, Bkly.
Architect...None.
Contractor...William E. McDonald.
Filed Nov. 18, '16. Dated Nov. 16, '16.
One-fourth completed\$895.40
One-half completed 895.40
Three-fourths completed 895.40
Completed and accepted..... 895.40
Usual 35 days..... 895.40
TOTAL COST, \$4477.00
Bond, \$2238.50. Surety, Massachusetts
Bonding & Insurance Co. Limit, 30
days. Forfeit, \$20. Plans and specifi-
cations filed.

OFFICES
(2721) SNYDER AND FIFTH, Ber-
keley. One-story 4-room office bldg.
Owner.....Hall Scott Motor Car Co.,
Premises.
Architect...Edw. T. Foulkes, 2610 E-
14th, Oakland.
Day's work.....
COST, \$750

DWELLING
(2722) W MONTEREY — N Hopkins,
Berkeley. Two-story 7-room dwlg.
Owner.....C. F. Sahelman, 1120 Mon-
terey Ave., Berkeley.
Architect...None.
Day's work.....
COST, \$1250

DWELLING
(2723) N BUENA VISTA AVE 135 E
California, Berkeley. One-story 5-
room dwelling.
Owner.....B. A. Dice, 429 13th, Okd.
Architect...None.
Contractor...J. M. Dice, 429 13th, Okd.
COST, \$2000

GARAGE
(2737) NO. 158 HILL CREST ROAD,
Berkeley. Garage.
Owner.....Thos. H. Nicholls, 151 Hill
Crest Road, Berkeley.
Architect...None.
Contractor...L. E. Chapin, Security Bk.
Bldg., Oakland.
COST, \$450

ALTERATIONS
(2738) NO. 2400 BANCROFT WAY,
Berkeley. Alterations.
Owner.....Charles Dull.
Architect...None.
Contractor...Verne Dildine, 6243 College
Ave., Oakland.
COST, \$465

DWELLING
(2759) W WALLACE 245 S Ward, Ber-
keley. One-story 5-room dwelling.
Owner.....Chas. A. Werner, 2416 10th,
Berkeley.
Architect...None.
Day's work.....
COST, \$1500

DWELLING
(2760) NO. 2764 HILLEGASS AVE.
(rear), Berkeley. One-story 4-room
dwelling.
Owner.....Mrs. E. A. Lee, Premises.
Architect...None.
Contractor...Jacob Kollmer, 2813 Stuart,
Berkeley.
COST, \$1800

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Am't.
2734	Alameda	Anderson	64940
2739	Dray	Quist	400
2740	Kesson	MacRae	400
2741	Hasselgren	Owner	400
2742	Mason	Martin	500
2743	Robbins	Robbins	500
2744	Noble	Noble	1000
2745	Noble	Noble	2000
2746	Noble	Noble	1800
2747	Pond	Stewart	2000

CLASS "C" SCHOOL

(2724) VAN BUREN AND MOUND, Alameda. Two-story and basement Class "C" school to be known as Lincoln School.

Owner.....City of Alameda.

Architect...Cunningham & Politeo, 1st National Bank Bldg., S. F.

Contractor..Anderson & Ringrose, 320 Market, San Francisco.

COST, \$64,940

STORE

(2739) WORK ST. AND RAILWAY

Tracks, Alameda. One-story store.

Owner.....W. J. Dray, 5828 Howell, Oakland.

Architect...None.

Contractor..J. A. Quist, 445 40th, Okd.

COST, \$400

ALTERATIONS

(2740) NO. 1429 PARK, Alameda.

Alterations.

Owner.....A. A. Kesson.

Architect...None.

Contractor..C. MacRae, 2315 Encinal Ave., Alameda.

COST, \$400

ADDITION

(2741) THIRD AND PACIFIC AVE.,

Alameda. Addition.

Owner.....Chas. Hasselgren, 1632 3rd, Alameda.

Architect...None.

Day's work.

COST, \$400

ALTERATIONS

(2742) NO. 1532 ST. CHARLES, Alameda. Alterations.

Owner.....Mrs. Mason, 2030 O St., Sacramento.

Architect...None.

Contractor..P. B. Martin, 1543 Sherman Alameda.

COST, \$500

DWELLING

(2743) NO. 1521 BUENA VISTA AVE.

Alameda. One-story 2-room dwlg.

Owner.....S. S. Robbins, Premises.

Architect...None.

Day's work.

COST, \$500

DWELLING

(2744) NO. 2607 SAN JOSE AVE., Alameda.

One-story 3-room dwelling.

Owner.....G. H. Noble, 2220 Central Ave., Alameda.

Architect...None.

Day's work.

COST, \$1000

DWELLING

(2745) NO. 2207 PACIFIC AVE., Alameda.

One-story 6-room dwelling.

Owner.....G. H. Noble, 2220 Central Ave., Alameda.

Architect...None.

Day's work.

COST, \$2000

DWELLING

(2746) NO. 2205 PACIFIC AVE., Alameda.

One-story 5-room dwelling.

Owner.....G. H. Noble, 2220 Central Ave., Alameda.

Architect...None.

Day's work.

COST, \$1800

DWELLING

(2747) NO. 3220 STERLING AVE., Alameda. Two-story 6-room dwlg.

Owner.....J. K. Pond, 1515 Encinal Ave., Alameda.

Architect...None.

Contractor..G. Stewart, 3010 Central Ave., Alameda.

COST, \$2000

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED

Nov. 1, 1916—S BANCROFT WAY 450 E Dana, Bkly. N R Davidson to C H Warren.....Oct. 27, 1916

Nov. 2, 1916—LOT 18 BLK 4, Hopkins Terrace No. 4, Bkly. L H Duschak to Riddell Bldg Service Corp.....

Nov. 3, 1916—W POMONA AVE 200 and 240 N Main, being Lots 191, 193, 193 and 195 Terminal Junction Tract, Albany. Madge H Jones to whom it may concern.....Oct. 26, 1916

Nov. 3, 1916—LOT 15 BLK "C" Map Oakland Highlands, Okd. Emma Coburn to whom it may concern.....Completed

Nov. 3, 1916—LOT 20 AND E 2 Lot 19 Blk "A" Map Waterside Terrace, Alameda. Mark T Cole to whom it may concern.....Nov. 2, 1916

Nov. 4, 1916—SE PARK AVE AND Harlan, Emeryville. Peoples Baking Co to Harry C Knight, Oct. 25, '16

Nov. 6, 1916—NO. 2043 AUSEON AV being Lot 30 and SW 15 Lot 29 Blk 6 Auseon's Moss Tract, Oakland. Joseph St. Mary to whom it may concern.....Nov. 6, 1916

Nov. 6, 1916—W GRANT 90 S Delaware S 45xW 105, Bkly. B F Butler to whom it may concern.....Nov. 4, 1916

Nov. 8, 1916—W 35 LOT 8, BLK 174, Grayson Tract, Berkeley. F. Holberg Reimers to whom it may concern.....Nov. 4, 1916

Nov. 8, 1916—LOT 20, BLK 3, Revised Map Rock Ridge Park, Oakland. W. G. Hammel to Riddell Building Service Corp.....Nov. 1, 1916

Nov. 8, 1916—SW NINETEENTH ST. and 19th avenue, S 35xW 100, Oakland. Wm. B. White to whom it may concern.....Nov. 6, 1916

Nov. 8, 1916—LOT 4, BLK 2, Keystone Tract, Berkeley. F. Holberg Reimers to whom it may concern.....Nov. 4, 1916

Nov. 9, 1916—S CARLTON 240-36 W Seventh W 69x52 SW 40x52 NE 96x50 NW 40x31, Bkly. Peet Bros Mfg Co to The Turner Co (two acceptances).....Oct. 33, 1916

Nov. 9, 1916—LOT 16 BLK "G" Claremont Court and Lot 17 Blk "G" Claremont Court, Bkly. Franklin P Nutting to F E Nelson.....Nov. 3, 1916

Nov. 10, 1916—LOTS 2 TO 32 incl and Ptn Lots 4, 5, 6, 7 and 25 incl, R. W. Mullen's Sbdvn Blk 576, Okd. Pacific Coast Shredded Wheat Co to Sage Watson.....Sept. 30, 1916

Nov. 11, 1916—S 20 LOT 44 and N 15 Lot 45 Blk "D" Map Alton Park, Okd. John E Murphy to whom it may concern.....Nov. 10, 1916

Nov. 11, 1916—LOT 13 BLK NO. 2, Hotel Claremont Tract, Berkeley.

Thomas D Stevenson to C Texdahl.....Nov. 6, 1916

Nov. 13, 1916—N WOOLSEY 37½ W Benvenue Ave, Bkly. E L Jenks to whom it may concern.....Nov. 1, 1916

Nov. 15, 1916—E TELEGRAPH AVE 90 S Stuart, Bkly. Shuey Creamery Co to Walter Sorenson.....Nov. 11, 1916

Nov. 15, 1916—LOT 11 BLK "B" Map Reshdvn Blk 8 of that part Rock Ridge Terrace filed March 16, 1911, Okd. Blake Bros Co to whom it may concern.....Nov. 13, 1916

Nov. 15, 1916—LOT 1 BLK 2, Thousand Oaks Tract, Luck K Smith to C H Warren.....Nov. 10, 1916

Nov. 16, 1916—LOT 54 Map Nova Piedmont, Piedmont. Alfred Corda to whom it may concern.....Nov. 16, 1916

Nov. 16, 1916—S THIRTIETH 200 W Adelaide, Okd. Fred and Lillian Brain to Thomas Rutherford.....Nov. 14, 1916

Nov. 17, 1916—NE FOURTH AVE 78 SE N line Lot 37 Blk "B" SE 102.37 N 127.10 SW 80 Map —, Okd. S V Nichols to whom it may concern.....Nov. 15, 1916

Nov. 20, 1916—SW GALINDO and SE Bray Ave SE 44 SW 200 NW 96.6 NE 168.72, Okd. A M Werum to W C Brown.....Completed

Nov. 20, 1916—NO. 1515 HARMON, Bkly. Frank Raimondi to Giuseppe Polatti.....Nov. 13, 1916

Nov. 20, 1916—LOT 79 Map Kingsland Tract, Okd. A Miles Taylor to J S Thomas and Daniel Clarke.....Nov. 16, 1916

Nov. 20, 1916—LOTS 22 AND 23 BLK 10 Map Berkeley Heights, Bkly. Nellie A Hagopian to Carr Jones.....Nov. 15, 1916

Nov. 20, 1916—SW DENNISON AND King, Okd. Standard Gas Engine Co to Geo H Scott.....Nov. 17, 1916

Nov. 21, 1916—LOT 62 and Ptn Lot 53 Havenscourt Addition, being No. 6635 Brown, Okd. W E McChesney to whom it may concern.....Nov. 20, 1916

Nov. 23, 1916—NE THIRTY-FOURTH and Elm, Okd. Second Church of Christ Scientist to J C Hurley Co.....Nov. 18, 1916

Nov. 22, 1916—NO. 2249 RANSOME Ave on W side about 180 S Santa Rita, Okd. Ole Kolen to whom it may concern.....Nov. 22, 1916

Nov. 22, 1916—NW BELLA VISTA Ave and NE E-28th NW 40xNE 95, Okd. John D Garretson to whom it may concern.....Nov. 14, 1916

Nov. 24, 1916—LOT 17 BLK 1 Map Berkeley Square, Bkly. Margaret E Williams to Louis Johnson.....Nov. 1, 1916

Nov. 24, 1916—SW TWENTY-THIRD and Webster S 75xW 90, Okd. J R O'Donnell to W J Baccus.....Nov. 21, 1916

Nov. 24, 1916—LOT 11 BLK 1 Amended Map Blk 1 Thousand Oaks, Oakland Tp. Francis S Spring to W D Hubbard.....Nov. 22, '16

Nov. 24, 1916—PTN LOT 8 Sbdvn Logan's Plot 72, Okd. Maurice G Kogan to C M Charruan.....Nov. 18, 1916

Nov. 24, 1916—LOT 11 BLK "A" Map Waterside Terrace, Ala. Mark T Cole to whom it may concern.....Nov. 15, 1916

Nov. 24, 1916—LOT 12 BLK "A" Map Waterside Terrace, Ala. Mark T Cole to whom it may concern.....Nov. 15, 1916

LIENS FILED

ALAMEDA COUNTY.

Nov. 2, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Alameda. Wm Makin vs Surf Beach Amusement Co and Surf Beach Park Co, H A Christofol and S Gordon.....\$153

Nov. 3, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Alameda. K C Shurick vs E W McConnell, C L Williams, Surf Beach Amusement Co, H Christoferson and Sanford Gordon.....\$154.60

Nov. 4, 1916—PTN LOT 8 Map Sbdvn of Kellersberger's Plot 72, Oakland Tp. Pacific Fuel & Bldg Materials Co vs C M Charruau, L E and Lois Rabjohn.....\$23.65

Nov. 4, 1916—LINE DIVIDING LOTS 8 and 9 10.38 NW Center line Bench Road NW 276.78 NW 16.76 fm pt beg NE 122.54 NW 70 SW 109.43 SE 29.08 Kellersbergers Sbdvn Plot 72, Okd. The Art Fixture Co vs C M Charruau and Lloyd E Rabjohn.....\$33.35

Nov. 6, 1916—PTN LOT 8 Kellersberger's Sbdvn Plot 72 of City of Oakland, Oakland. Swift & Wilcox vs Lloyd E Rabjohn and C M Charruau.....\$156.90

Nov. 6, 1916—LOT 200 Map Crocker Highlands, Oakland. Redwood Manufacturers Co vs Christ Nelson, Peter Buhman, Alta Piedmont Land Co and F M Gilberd.....\$1303.65

Nov. 6, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Ala. John P Woods vs Surf Beach Amusement Co, Surf Beach Park Co, H A Christofol and S Gordon.....\$60

Nov. 6, 1916—PTN PLOT 72, V. and D. Peralto Rancho, Oakland. Hammond Lumber Co. vs C. M. Charruau and Lloyd E Rabjohn.....\$60.10

Nov. 8, 1916—LOT 9, BLK 7, Map Re-subdivision Blks 8, 10, 11, 12, 13, 14, and ptn Blk 16, Rockridge Terrace, Oakland, H. Brownlow Shepherd and S. G. Whittelsey (Shepherd & Whittelsey) vs Blake Bros Co. & Oakland Investment Co.....\$210.10

Nov. 9, 1916—PTN AUGHINBAUGH 223.374 Acre Tract, Alameda. Wm Makin vs Surf Beach Amusement Co, Surf Beach Park Co, H A Christofol and S Gordon.....\$153

Nov. 9, 1916—LOT 1 BLK "D" Excelsior Heights Okd. Fred Koenig vs Paul E Joseph.....\$82.95

Nov. 13, 1916—LOTS 17 AND 18 and NE 100 Lot 19 Blk 10, Higley's map of Clinton, being No. 529 E-19th St. Okd. Charles F Stephenson vs Alexander Elliott.....\$46.75

Nov. 13, 1916—PTN LOT 8 Map Kellersberger's Sbdvn Plot 72 of City of Oakland, Okd. J L Williams vs Lloyd E Rabjohn and C M Charruau.....\$60

Nov. 13, 1916—NE 20 LOT 31 and SW 20 Lot 32 Blk 9 Map Steinyway Terrace, Okd. Eureka Mill & Lumber Co vs A R and Annie D Morris and B E Urch.....\$222.65

Nov. 20, 1916—PTN LOT 31 BLK 9, Steinyway Terrace Tract, Oakland. Kronenberg Hardware Co vs Annie D Morris.....\$38.10

Nov. 20, 1916—PTN LOTS 27 AND 28 Blk 9, Steinyway Terrace Tract, Okd. Kronenberg Hardware Co vs Annie D Morris.....\$77.85

Nov. 21, 1916—SE E-FOURTEENTH and 21st Ave E 100xS 140, Okd. Perry C Fry vs P A Dolan and T H Dunakin.....\$43.30

Nov. 22, 1916—CENTER COUNTY Road 320 1343.60 NE County Road 2045 NE 4269.40 NW .888 SW 4499 SE 2505.50 SE 1328.10 NE 1679.70, Washington Tp. J K Yoshida vs Clara H Layson, Henry H Patterson and Thayer D Hall.....\$587.35

Nov. 22, 1916—NE 20 LOT 31 and SW 20 Lot 32 Blk 9 Map Steinyway Terrace, Okd. Ernest L Thompson vs A R and Annie D Morris and C E Urch.....\$51.50

Nov. 24, 1916—LOTS 42, 43 AND 44, Peralto Terrace, Okd. Hlogan Lumber Co vs L W and Josephine Anderson and C P and Mabel F Eggleston.....\$279.95

SAN JOSE AND THE SANTA CLARA VALLEY

HIGHWAY IMPROVEMENTS—Cost not stated. Redwood City, San Mateo Co. Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Bids will be received on December 8th at 10 a. m. for the construction of two concrete culverts near the Belmont Military Academy, Belmont. And also for the construction of approximately 28,200 square yards of surface on certain roads in the First Road District of San Mateo County.

BANK—2 story and base, reinforced concrete, \$10,000. South San Francisco, San Mateo Co. Cal. Architect, Thomas E. Edwards, Bank Bldg., Burlingame. Owners, Bank of South San Francisco. Location, Grand and Lincoln avenues, covering an area of 50 by 75 feet. Plans being prepared.

CLUB HOUSE—1 story and base, frame, \$5,000. Watsonville, Santa Cruz Co., Cal. Architect, Ralph Wyckoff, Pajaro Valley Bank Bldg., Watsonville. Owners, Watsonville Women's Club. Will contain reception room, social halls and offices. Plans being prepared.

SCHOOL—1 story and base, frame, \$14,600. Watsonville, Santa Cruz Co. Cal. Architect, Ralph Wyckoff, Pajaro Valley Bank Bldg., Watsonville. Owners, City of Watsonville. Plans have been completed for this grammar school building and figures are now being taken. Bids will be opened on November 29th.

Contracts Awarded.

DEPARTMENT STORE—3 story and base, reinforced concrete. Cost not stated. Hollister, San Benito Co. Cal. Architect, William Binder, Rea Bldg., San Jose. Owners, Grangers' Union. Contractors, Oregon Construction Co, Hollister. Contract price not stated.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME RESIDENCE
NEAR CAMPBELL. All work for one story frame residence.
Owner.....C. Joachim.
Architect...F. G. Aitkin, Theatre Bldg San Jose.
Contractor, George Lindbloom, 519 W. San Carlos St., San Jose.
Filed Nov. 20, '16. Dated Nov. 18, '16.
Frame and rafters up..... 37 1/2 %
Accepted..... 37 1/2 %
Usual 35 days..... 25 %
TOTAL COST, \$1070
Bond, \$535. Sureties, Otto Eschnebel and E. W. Schucht. Limit, 30 days from

filing. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

LOT 7 BLK 13 Hanchett Park, San Jose. All work for seven-room frame dwelling.
Owner.....F. O. Edwards, Ryland Bldg., San Jose.
Architect...D. H. Main, Tillman and Yosemite Sts., San Jose.
Contractor...D. H. Main.
Filed Nov. 18, '16. Dated Nov. 18, '16.
Frame up..... 25 %
1st inside plaster on..... 25 %
Accepted..... 25 %
Usual 35 days..... 25 %
TOTAL COST, \$4216

Bond, \$2107.50. Sureties, E. P. Main and L. D. Rohnett. Limit, 90 days from filing. Forfeit, none. Plans and specifications filed.

ROILER

COUNTY HOSPITAL SITE. All work for installing tubular boiler in County Hospital.
Owner.....County of Santa Clara.
Architect...None.
Contractor...Harron, Rickard & McCone, 139 Townsend, S. F.
COST, \$1978

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED.....**ACCEPTED**
Nov. 11, 1916—LOS ALTOS, Edward J McCutchen to Cavanagh Bros.....
.....Oct. 30, 1916

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME RESIDENCE

LOT 5 BLK "F" Map No. 3 El Cerrito Park, San Mateo. All work for two-story frame residence.
Owner.....Samuel Goslinsky, Palm St. San Mateo.
Architect...Thomas M. Edwards, Bank Bldg., Burlingame.
Contractor...Charles Hutchings, 12th St. San Mateo.
Filed Nov. 21, '16. Dated Nov. 17, '16.
When framed.....\$1333
Brown plastered..... 1333
When completed..... 1333
Usual 35 days..... 1336
TOTAL COST, \$5335

Bond, \$2668. Sureties, James Kennedy and Edwin O. Hessler. Limit, 90 days. Forfeit, \$5 per day. Plans and specifications filed.

GRANITE VAULT

HOLY CROSS CEMETERY (Christopher A. Buckley Family Plot), San Mateo. All work for granite vault with bronze door.
Owner.....Christopher A. Buckley, 68 Post, San Francisco.
Architect...B. R. Christensen.
Contractor...H. L. Pettersen, Lick Bldg. San Francisco.
Filed Nov. 21, '16. Dated Nov. 18, '16.
Grading & concrete work done.....\$1419
Granite front and sides up..... 1419
Granite work completed..... 1419
Marble work set, etc..... 1419
Bronze door hung..... 1419
Usual 35 days..... 2380
TOTAL COST, \$9475
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

CLASS "C" SCHOOL

SOUTH SAN FRANCISCO. All work except plumbing for two-story and basement Class "C" school building. Owner.....City of South San Francisco.

Architect...W. H. Weeks, 75 Post, S. F.
Contractor...Howard S. Williams,
Hearst Bldg., S. F.
COST, \$59,700

PLUMBING ON ABOVE.

Contractor...Wm. L. Hickey, South San Francisco.
COST, \$4150

COMPLETION NOTICES**SANTA CLARA COUNTY.****RECORDED ACCEPTED**

Nov. 16, 1916—LOTS 16 AND 17 BLK 16, Hanchett Residence Park near San Jose. Frank Marten to D H MainNov. 13, 1916
Nov. 21, 1916—LOT 22 BLK 25, Freyschlag's Sbdvn, Reed's Addition San Jose. Frank Peres to whom it may concern.....Nov. 20, 1916
Nov. 25, 1916—HAMILTON AVE AND Emerson St., Palo Alto. Frederick A Taylor to E A Hettinger.....Nov. 22, 1916

LIENS FILED**SANTA CLARA COUNTY.**

RECORDED AMOUNT
Nov. 15, 1916—NEAR AGNEW. General Concrete Constr Co vs Western Grain & Sugar Products Co.....\$4,966

COMPLETION NOTICES**SAN MATEO COUNTY.****RECORDED ACCEPTED**

Nov. 16, 1916—ELM ST & POPULAR Ave, San Mateo. R R Sibley to Arnold & Morey.....Nov. 11, 1916
Nov. 18, 1916—LOT 16 BLK 57, Easton Addition to Burlingame No. 6, Burlingame. Henry East to whom it may concern.....Sept. 30, 1916
Nov. 20, 1916—PTN LOT 1 BLK 3 Range "C," Redwood City. P A Ryan to Daly & Mackenzie. Nov. 1, 1916
Nov. 21, 1916—LOT 4 BLK 51, Easton Addition No. 5 to Burlingame, Burlingame. Alfred O Ellison to James Johnston.....Sept. 28, 1916

LIENS FILED**SAN MATEO COUNTY.****RECORDED AMOUNT**

Nov. 18, 1916—BLK 8 Sbdvn of Menlo Oaks, Menlo Park. Thomas Elam & Son vs Lucy and Edward S Munford\$6257.70

MARIN, CONTRA COSTA AND SONOMA COUNTIES

CHURCH—1 and 2 story, frame, \$10,000. Richmond, Contra Costa Co., Cal. Architect, Francis A. Reid, Concord. Owners, First Christian Church. Revised plans are now being prepared to bring the cost of the building within the amount available. Bids received recently showed the building to cost in the neighborhood of \$15,000.

WATER TUNNEL—Concrete, \$257,400. San Rafael, Marin Co., Cal. Engineer, A. R. Baker, San Rafael. Owners, Marin Municipal Water District.

Contractors, McLaren & Peterson, Sharon Bldg., S. F. Contract price, \$257,400.

WATER PIPE—\$10,000. San Rafael, Marin Co., Cal. Engineer, A. R. Baker, San Rafael. Owners, Marin Municipal Water District. At the last meeting of the Marin Municipal Water District Directors, a resolution was adopted directing the superintendent to contract for about 11,000 feet of 6-inch iron water pipe for use in building a connection between the San Rafael plant and the Mill Valley plant so that surplus water from Mill Valley can be used to care for any shortage in the water supply during the dry seasons.

STORES—1 story and base, brick, \$7,500. Antioch, Contra Costa Co., Cal. Architect, none. Owner, O. E. Elengel, Antioch, leased to the Pacific Tel and Tel. Co. Location, 4th and G streets covering an area of 25 by 55 feet. Work will be done by Day Labor.

Contracts Awarded.

SCHOOL RETAINING WALLS, ETC.—\$2,649. Mill Valley, Marin Co., Cal. Architect, none. Owners, Mount Tamalpais Union High School. Contractor, A. O. Field, 1665 20th avenue, S. F. Contract price, \$2,649.

BUILDING CONTRACTS**CONTRA COSTA COUNTY.**

SCHOOL
ON SCHOOL. PROPERTY IN TOWN OF Martinez. All work for one-story brick veneer Grammar School. Owner.....Martinez School District. Architect...Stone & Wright, San Joaquin Valley Bank Bldg., Stockton.

Contractor...Philbrick & Colvin, Turlock, Cal.

Filed Nov. 8, '16. Dated Nov. 1, '16.
Monthly payments of.....25%
Usual 35 days.....25%

TOTAL COST, \$38,572
Bond, \$19,256. Surety, Massachusetts Bonding & Insurance Co. *Limit, 150 working days. Forfeit, none. Plans and specifications filed.

STORE

LOT 4 BLK 12, Town of Bay Point. All work for one-story store building.

Owner.....A. W. and Katherine Smith, Bay Point.

Architect...James T. Narbett, 910 Macdonald Ave., Richmond.

Contractor...F. B. Butterfield, 2474 Shattuck Ave., Berkeley.

Filed Nov. 3, '16. Dated Nov. 2, '16.
Frame completed\$725
1st coat plaster on.....725
When accepted725
Usual 35 days.....725

TOTAL COST, \$2900
Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

LIENS FILED**CONTRA COSTA COUNTY.****RECORDED AMOUNT**

Oct. 27, 1916—LOT IN CONDON TCT, Martinez. Contra Costa Lumber Co vs Carrie L McLenegan.....\$50.10
Oct. 27, 1916—LOT 8 BLK 13, Condon Addition to Town of Martinez. F H Hollister vs Lillian Condon.....\$64.81
Nov. 8, 1916—PTN LOTS 8 AND 9 Blk 49 of City of Pittsburg. Ben Borman vs G D Patterson and John Doe\$32.75

BUILDING CONTRACTS**SONOMA COUNTY.****ALTERATIONS**

SANTA ROSA. All work for alterations to store.

Owner.....Lizzie G. Grosse.
Architect...Turtton & Herbert Napa & Santa Rosa Sts. Santa Rosa Contractor...Santa Rosa Mfg. Co., 115 5th St., Santa Rosa.

Filed Nov. 22, '16. Dated Nov. 20, '16.
Installation of all plate glass.....\$700
Usual 35 days.....700

TOTAL COST, \$1400
Bond, \$700. Surety, London & Lancashire Indemnity Co. of America. Limit, Dec. 15, '16. Forfeit, none. Plans and specifications filed.

COST, \$1000

LIENS FILED**SONOMA COUNTY.****RECORDED AMOUNT**

Nov. 13, 1916—SANTA ROSA. J H Bertino vs D Tabacchi and wife.....\$26
Nov. 20, 1916—AGUA CALIENTE Springs. A M Hildebrandt vs Theo Richards and wife.....\$9354.65

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

SCHOOL—2 story and base. Class C construction, \$45,000. Chowchilla, Madera Co., Cal. Architect, Ernest J. Kump, Howell Bldg., Fresno. Owners, Chowchilla High School District. Will contain six class rooms and an auditorium. Plans are being prepared.

BRIDGE—Reinforced concrete. Cost not stated. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. At the last meeting of the Kings County Supervisors the board instructed Surveyor Duffield to prepare plans and specifications for a concrete bridge to span the canal of the Lemoore Canal and Irrigation Company one-half mile west of Hardwick.

At the same meeting the Supervisors instructed County Surveyor Duffield to prepare plans and specifications for a cement bridge to be constructed over the west branch of the Last Chance canal four miles west of this city.

ROAD ROLLER—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. All bids received by the Kern County Board of Supervisors for furnishing a gasoline road roller were rejected as being too high. It is probable that the roller will be purchased in the open market.

IRRIGATION WORK—Cost not stated. Waterford, Stanislaus Co., Cal. Engineer, Chief Engineer, Waterford Irrigation District. Owners, Waterford Irrigation District. Bids will be opened on December 19th at 10 a. m. for constructing portions of main canals of the Waterford Irrigation District. Proposals will be received on two separate sections of the work, which shall be known and described as follows, to wit: Section 1—Which is those portions of the upper main canal of the Waterford Irrigation District lying between Engineer's Station 0 plus 00 and 50 plus 50, and Engineer's Station 86 plus 00 and 200 plus 00, comprising

in all the excavation of approximately 45,000 cubic yards of open excavation. Section 2—Which is that portion of the upper main canal of the Waterford Irrigation District lying between Engineer's Station 50 plus 50 and 16 plus 00, comprising in all the excavation of approximately 2,200 linear feet of 8-foot diameter tunnel and 9,800 cubic yards of portal excavation.

STREET IMPROVEMENTS—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer Fresno. Owners, City of Fresno. The City Council has awarded contracts to Thompson Bros., 1514 H street, Fresno, for the following work: That the alley in block 90 from the northwest line of Tuolumne street to the southeast line of Stanislaus street, be graded and curbed with redwood curbing, and paved with a pavement consisting of a cement concrete base 4 inches thick and a bitulithic wearing surface 2 inches thick. Also that First street, from Illinois avenue to Tulare avenue, be graded, curbed and macadamized, concrete gutters 2 feet wide and 7 inches thick shall be built for each gutter of the street, of the same kind of concrete as specified for curbs, and the top of said gutters shall be 8 inches below top of curbs; also that one 21-inch by 6-inch corrugated iron culvert, No. 12 gauge, shall be laid with 4-inch concrete base and connecting gutter entrances across First street in the north gutter line of Iowa avenue, for \$1,755.

RESIDENCE—2 story and base, frame, \$3,200. Fresno, Fresno Co., Cal. Architect, none. Owner, Hans P. Anderson, Fresno. Location, Alta Vista Tract. Will contain six rooms, bath, sleeping porch and a garage. Plans complete and work to be done by Day Labor.

JAIL—2 story and base. Class A construction, \$45,000. Visalia, Tulare Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Tulare County. Will contain sheriff's office and jail quarters. Plans complete and figures being taken. Bids close December 15th.

DRAINAGE SYSTEMS—\$32,000 and \$65,000. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Livingston and Atwater Drainage Districts. Contractors, Shattuck-Edinger Co., Marsh-Strong Bldg., L. A., and 5 West Richmond avenue, Richmond. Contract price, Livingston District, \$32,000 and Atwater District, \$65,000.

IRRIGATION CANAL—\$36,000. Waterford, Stanislaus Co., Cal. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Contractors, G. W. Price Co., 33 Stevenson street, S. E. Contract price, \$36,000.

IRRIGATION WORK—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, Chief Engineer Herrmann. Modesto. Owners, Modesto Irrigation District. Bids will be received until December 5th at 10 a. m. for the construction of three reinforced concrete structures in Lateral No. 4 of the Modesto Irrigation District.

BRIDGE—Timber construction. Cost not stated. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. Bids will be opened on December 5th for the construction of a wooden bridge on concrete abutments and piers over Black Rascal creek on the McKee road in

Road District No. 1, to be known as Bridge No. 53.

COURT HOUSE FURNITURE—Cost not stated. Merced, Merced Co., Cal. Architect, none. Owners, Merced County. Bids will be opened on December 5th for furnishing metal furniture for various offices in the county court

IRRIGATION PROJECT—\$376,619.40. Terra Bella, Tulare Co., Cal. Engineer, Stephen E. Kieffer, Mechanics' Institute Bldg., S. F. Owners, Terra Bella Irrigation District. The contract for the construction of the first unit of the Terra Bella Irrigation District has been awarded to W. A. Kramer, Rialto Bldg., S. F., he being the low bidder at \$376,619.40, which is below the estimate of Chief Engineer Stephen E. Kieffer. There were five bids for the construction work. No. 1 for all steel pipe in distributing and collecting systems. No. 2 for all wood pipe in distributing and collecting systems. No. 3 for steel pipe in distributing system and reinforced concrete in collecting system. On these arrangements the bids worked out as follows:

Shattuck-Edinger Co., \$417,385.97, \$124,359.27, 3 incomplete; C. C. Moore & Co., \$392,504.04, \$102,679.92, \$382,713.00; W. A. Kramer, \$291,142.46, \$407,681.05, \$376,619.40; James Kennedy, \$414,257.85, \$405,961.10, 3 incomplete; Rogers Bros. Co., \$114,168.25, \$440,380.55, \$141,020.85.

LIBRARY—1 story and base, brick. Cost not stated. Oakdale, Stanislaus Co., Cal. Architect, Hugh Y. Davis, 1045 Weldon avenue, Fresno. Owners, Stanislaus County. Bids will be received on December 12th at 2 p. m. for a branch county library. Plans can be secured from the County Clerk.

SCHOOL—1 story and base. Class C construction, \$33,000. Modesto, Stanislaus Co., Cal. Architects, De Remer & Hewitt, Title Insurance Bldg., L. A. Owners, City of Modesto. Location, Washington and I streets. Revised plans for this work have been completed and new figures are now being called. Bids will be opened on December 19th.

SCHOOLS—1, 2 story and 2, 1 story, brick and concrete, \$150,000. Merced, Merced Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Merced Union High School District. These architects have just been selected to prepare plans and details of construction and designs have not been fully determined.

BUILDING CONTRACTS
FRESNO COUNTY.

BRICK WAREHOUSE
LOTS 20 TO 32 BLK "A," Fresno. All work for two-story brick warehouse. Owner.....Sperry Flour Co., Fresno. Architect...Coates & Traver, Rowell Bldg., Fresno. Contractor...E. J. Farr, 245 Forthcamp St., Fresno.

Filed Nov. 21, '16. Dated Nov. 21, '16.
Wrecking of certain building completed\$1481.90
Brick work up to 2nd floor.....1481.90
Completed1481.90
Usual 35 days.....1481.90
TOTAL COST, \$5927.60
Bond, \$2964. Surety, Maryland Casualty Co. Limit, 60 working days. Forfeit, \$10. Plans and specifications filed.

BRICK ADDITION
FRESNO HIGH SCHOOL SITE, Fresno.
All work for two-story brick and concrete addition to high school. Owner.....Fresno High School District.
Architect...Coates & Traver, Rowell Bldg., Fresno.
Contractor...James L. Daly, Griffith-McKenzie Bldg., Fresno.
COST, \$48,100

HEATING ON ABOVE.
Contractor...J. C. Hurley, 590 6th St., San Francisco.
COST, \$6705

DWELLING
FRESNO. All work for Superintendent's home at sewer farm. Owner.....City of Fresno. Architect...None. Contractor...Christian & Rohl, Fresno.
COST, \$2095

DWELLING
LOTS 3 AND 4 BLK 4, Palm Villa Tract., Fresno. Dwelling.
Owner.....Fresno Home Bids., 1231 I St., Fresno.
Architect...None. Contractor...A. D. Wilkins, 264 Ivy St., Fresno.
COST, \$2750

DWELLINGS
LOTS 12, 14 BLK 36 and Lots 7 and 4 Blk 37, Alta Vista Tract, Fresno. All work for four dwellings.
Owner.....Alta Vista Homes Co. Architect...None. Contractor...W. H. Ackerman, 3rd and Huntington, Fresno.
COST, \$11,100

DWELLING
LOT 18 BLK 1 Alta Vista Tract, Fresno. Dwelling and garage.
Owner.....Hans P. Anderson. Architect...None. Day's work. COST, \$2200

COMPLETION NOTICES
FRESNO COUNTY.

RECORDED ACCEPTED
Nov. 23 1916—LOTS 63 AND 64 Ingersoll Tract, Fresno. M Sullivan to whom it may concern...Nov. 23, 1916

LIENS FILED
FRESNO COUNTY.

RECORDED AMOUNT
Nov. 17, 1916—LOTS 3 AND 4 BLK 3, North Calwa Add'n. J B Welliver Jr vs C W Houseman and H H Putman\$225
Nov. 17, 1916—LOT 9 BLK 30 Alta Vista Add'n, Fresno. C W, F T, C L and A L Bingham vs Jas L Miller\$620

SACRAMENTO, STOCKTON & D NORTHERN CALIFORNIA

STREET IMPROVEMENTS—Cost not stated Colusa, Colusa Co., Cal. Engineer, City Engineer, Colusa. Owners, City of Colusa. The City Trustees have passed resolutions of intention to grade and gravel Jay street, between 8th and 9th; Oak street, A to 1st; Park-hill, 2nd to 3rd; Jay street, 11th to 12th; 9th street, Jay to Oak and laying

of concrete sidewalk in 6th street, from the south line of Jay to the north line of Webster.

STREET PAVING—Cost not stated. Chico, Butte Co. Cal. Engineer, City Engineer, Chico. Owners, City of Chico. Bids will be opened on December 5th at 8 p. m. for the paving of all that part of Broadway fronting the Children's Playground that lies between the curb on the westerly side thereof and the center line of said street, and extending from the northerly line of First street, city of Chico, to the bridge across the Big Chico Creek, excepting therefrom that part already paved by the State highway.

RESIDENCE—2 story and base, frame, \$6,500. Stockton, San Joaquin Co., Cal. Architect, O. R. Thayer, 240 Montgomery street, S. F. Owner's name withheld. Will contain seven rooms, bath, sleeping porch and separate garage. Plans being prepared.

RESIDENCE—2 story and base, frame, \$4,000. Stockton, San Joaquin Co., Cal. Architect, Walter King, San Joaquin Bldg., Stockton. Owner, A. L. Salback. Location, Yosemite street, between Poplar and Acaia. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

HOTEL ALTERATION—2 story and base, brick, \$20,000. Stockton, San Joaquin Co., Cal. Architect, Walter King, San Joaquin Bldg., Stockton. Owners, Mutual Investment Co., Location, Market street between San Joaquin and Sutter streets. Work will consist of both interior and exterior alterations and the installation of a steam heating system. Plans are being prepared.

HOTEL ALTERATION—3 story, brick, \$15,000. Stockton, San Joaquin Co., Cal. Architect, Walter King, San Joaquin Bldg., Stockton. Owner, J. C. Caine. Location, east Central between Main and Market streets. Work will consist of interior and exterior alterations. Plans are being prepared.

HOTEL AND STORES—3 story and base. Class C construction, \$25,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Garibaldi Hotel Co. Location, southeast Lafayette and Center streets. Will contain three stories on the ground floor and a total of 80 rooms. Plans are being prepared.

SCHOOL—3 story and base, reinforced concrete, \$175,000. Sacramento, Cal. Architects, Shea & Lofquist, Bankers Investment Bldg., S. F. Owners, City of Sacramento. Location, block bounded by 17th, 18th, E and F streets. Will contain twenty-four class rooms. Plans complete and approved by Board of Education.

Contracts Awarded.

BRIDGES—2 reinforced concrete, concrete, \$2,170. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractor, O. A. Petter, Oroville. Contract price, \$2,170.

STREET WORK—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commissioners have awarded a contract to the McGilvray Construction Co., Capitol National Bank Bldg., Sacramento, for the fol-

lowing work: That 15th street, from T street to U street, be improved by constructing concrete curb, concrete gutter, grading the space between the property line and curb, placing 6-inch, vitrified, ironstone sewer pipe drains; placing two cast iron gutter drains with 6-inch vitrified, ironstone sewer pipe elbows attached; reconstructing one existing manhole; grading the roadway and constructing thereon an asphaltic pavement, consisting of a hydraulic concrete foundation 4 inches thick, and asphaltic cement flush coat, an asphaltic concrete flush coat, and an asphaltic concrete wearing surface 1½ inches thick.

STREET IMPROVEMENTS—Cost not stated. Sacramento Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commissioners have awarded a contract to A. Olsen, 2724 1st avenue, Sacramento for the following work: That 13th street, from R street to X street, be improved by constructing concrete curbs, concrete manholes, complete, with cast iron curbs and covers; placing 16 cast iron gutter drains with 6-inch, vitrified, ironstone sewer pipe elbows attached; constructing 6-inch, vitrified ironstone sewer pipe drains; 8-inch, vitrified, ironstone sewer pipe drains; grading the space between the property line and curb, and constructing concrete sidewalks.

SCHOOL—1 story and base, frame, \$18,000. Marysville, Yuba Co., Cal. Architect, Julia Morgan, Merchants' Exchange Bldg., S. F. Owners, City of Marysville. Contractor, I. C. Evans, Marysville. Contract price, \$18,000.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ALTERATIONS

NO. 648 TENTH ST. J and K, Sacramento. Remodel moving picture theatre.

Owner.....United Realty Co.

Architect....None.

Contractor...G. D. Hudnutt, California Fruit Bldg., Sacramento.

COST, \$6000

MARQUISE

NO. 969 K ST., Sacramento. Erect mar-

quise.

Owner.....United Realty Co.

Architect....None.

Contractor...G. D. Hudnutt, California Fruit Bldg., Sacramento.

MOVE BUILDING

NO. 1421 NINTH ST., on N ½ of Lot 8, N. O. 9th and 10th Sts., Sacramento.

Move building from No. 921 M St.

Owner.....F. H. Schardin, 915 O St., Sacramento.

Architect....None.

Contractor...Chas. Vanina, 2022 M St., Sacramento.

COST, \$950

MOVE BUILDING

NO. 1417 NINTH ST., on N ½ Lot 8, N. O. 9th and 10th Sts., Sacramento.

Move building from 1218 Tenth St.

Owner.....F. H. Schardin, 915 O St., Sacramento.

Architect....None.

Contractor...Chas. Vanina, 2022 M St., Sacramento.

COST, \$950

RELEASE OF LIENS

SACRAMENTO COUNTY.

RECORDED AMOUNT

Nov. 21, 1916—W ½ OF LOT 7 P. Q.

29th and 30th Sts., Sacramento. P

F Reed to Vito, Rose and Peter

Caleca

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

(Correction in Owner's Name)

ALTERATIONS

N ½ OF W ½ OF LOT 14 BLK 10 E of Center, Stockton. All work for alterations and additions to 2-story brick saloon, cabaret and rooms.

Owner.....G. Sanguinetti, 634 North Ophir St., Stockton.

Architect...Ralph P. Morrell, 12-15 I. O. O. F. Bldg., Stockton.

Contractor...A. J. McPhee, 316 N-California St., Stockton.

Filed Nov. 21, '16. Dated —

2nd story joists on.....\$1636.00

Roof and skylights completed 1400.00

Plumbing and plastering done 665.50

Wood trim and hardware on 500.00

Usual 35 days.....1400.50

TOTAL COST, \$5602.00

Bond, \$2801. Sureties, J. H. Winder and V. J. McPhee. Limit, forfeit, none. Plans and specifications filed.

LOT 16 BLK 11, E of Center St., Stockton. Excavating, concrete, brick, carpenter work, electrical work, glass painting, and plumbing for two-story frame (2) flats.

Owner.....Peter Knutzen, 601 E-

Weber St., Stockton.

Architect...Franklyn E. Warner, San Joaquin Bldg., Stockton.

Contractor...Robert & William Powell, Sacramento and Lindsay Sts., Stockton.

Filed Nov. 18, '16. Dated Nov. 4, '16.

Concrete foundation in.....\$ 200.00

Rough frame up..... 600.00

Brick work completed..... 700.00

Ready for plaster..... 700.00

Plastering completed..... 600.00

Interior ready for paint..... 1000.00

Completed and accepted..... 1061.50

Usual 35 days..... 1621.50

TOTAL COST, \$6474.00

Bond, none. Limit, 100 working days after date. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW

"MILEGO" FARM, Ripon, Cal. All work for seven-room frame bungalow.

Owner.....C. K. Rainbridge, 2887

Washington St., S. F.

Architect...Ralph P. Morrell, 12-15 I.

O. O. F. Bldg., Stockton.

Contractor...B. Woollers, Ripon, Cal.

Filed Nov. 20, '16. Dated Nov. 20, '16.

Rough frame up and roof on.....\$1000

Plastering completed..... 1000

Hardware on..... 315

Usual 35 days..... 775

TOTAL COST, \$3090

Bond, \$1545. Sureties, C. Godshel and C. Nourse. Limit, 60 days. Forfeit, none. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA

ROAD IMPROVEMENTS—Cost not stated. Orange, Orange Co., Cal. Engineer County Surveyor, Orange. Owners, Orange County. Bids will be opened on December 6th at 2 p. m. for the construction of a 26-foot wide earth road, surfaced with clay; approximately 25,000 cubic yards of sand excavation, 7,500 yards of clay surfacing and 1,168 feet of pile trestle, commencing at the westerly city line of Huntington Beach; thence northwest parallel to the Pacific Electric Railway three miles.

ROAD CONSTRUCTION—Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Until 11:30 a. m. December 5 bids will be received by the Board of Supervisors for constructing 6.01 miles of road on Division 1, Piru to county line, according to plans and specifications and profiles which may be obtained at the office of the County Highway Commission upon depositing \$3. The approximate quantities are 36,300 cubic yards excavation, including borrow; 464 cubic yards concrete; 62 linear feet 42-inch corrugated iron pipe; 25,360 pounds reinforcing steel. J. B. McCloskey, County Clerk.

CHURCH—1 and 2 story and base, brick, \$35,000. Whittier, Los Angeles Co., Cal. Architect, H. M. Patterson, O. T. Johnson Bldg., L. A. Owners, Friends Church of Whittier. Location, Philadelphia and Washington streets. Plans complete and segregated figures being taken.

CHURCH—2 story and base. Class B construction. Cost not stated. Santa Barbara, Santa Barbara Co., Cal. Architect, Roland F. Sauter, San Marcos Bldg., Santa Barbara. Owners, First Presbyterian Church. Main portion of the building will cover an area of 80 by 150 feet. A wing, one story high will cover an area of 25 by 58 feet. Plans complete and figures being taken. Bids close on December 5th.

FACTORY BUILDINGS—Frame and corrugated iron, \$100,000. Huntington Park, Los Angeles Co., Cal. Architects, Peoples & Cheney, Haas Bldg., L. A. Owners, Warman Steel Casting Co. The main building will cover an area of 113 by 250 feet. Plans are being prepared.

WAREHOUSE AND FACTORY—3, 1 and 2 story, reinforced concrete. Cost not stated. Chino, San Bernardino Co., Cal. Architect, L. M. Edmunds, Chino. Owners, American Beet Sugar Co. There will be an addition to the sugar warehouse, 165 by 66 feet; a machine warehouse, 50 by 75 feet. Plans are being prepared.

WAREHOUSE—2 story, brick and steel. Cost not stated. Oxnard, Ventura Co., Cal. Architect, none. Owners, American Beet Sugar Co., Oxnard. Will cover an area of 150 by 150 feet, and will be 42 feet high. Plans are complete and figures being taken.

FACTORY GROUP—Brick and frame. Cost not stated. Huntington Park, Los Angeles Co., Cal. Architect's name not given. Owners, Axelson Bros. Machine Co., 1106 North San Fernando street, L. A. The buildings will include a main machine shop, 126 by 375 feet; office building, 32 by 120 feet; lath building,

30 by 50 feet, forge shop, 25 by 75 feet, pattern shop and pattern storage building, each 25 by 80 feet; garage, 25 by 610 feet; and iron foundry, 100 by 155 feet. Plans complete and figures being taken.

GARAGE—1 story, brick, \$3,500. Santa Maria, Santa Barbara Co., Cal. Architect, L. E. Hyde, 2745 26th avenue, Oakland. Owner, Mr. Fleicher. Designed for a private garage. Plans complete and figures being taken.

STORES AND LOFTS—3 or 10 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architect, W. J. Dodd, Brockman Bldg., L. A. Engineer, William Richards, Owner, J. J. Haggarty. Location, Grand avenue. Only preliminary sketches have been prepared and further details will be given later.

STORES AND LOFTS—1 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architects, Dodd & Richards, Brockman Bldg., L. A. Owner, Lee Phillips. Location, southwest 7th and Olive streets, covering an area of 163 by 225 feet. Plans are being prepared.

STORES AND LOFTS—1 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architects, Dodd & Richards, Brockman Bldg., L. A. Owner, Lee Phillips. Location west 7th east Grand avenue, covering an area of 45 by 135 feet. Plans being prepared.

STORES AND LOFTS—6 story and base reinforced concrete. Cost not stated. Los Angeles, Cal. Architects, Dodd & Richards, Brockman Bldg., L. A. Owners, Lee A. Phillips, Shirley Ward, et al. Location, west 7th between Hill and Olive. Will cover a considerable ground area. Preliminary plans only, and further details to be given later.

Contracts Awarded.

TERMINAL BUILDINGS—4 2 and 8 story, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, John Parkinson, Security Bldg., L. A. Owners, Los Angeles Union Terminal Co. Contractors, Wurster Construction Co., San Diego. Contract price not stated.

HOTEL—12 story and base. Class A construction, \$82,800. Los Angeles, Cal. Architects, Morgan, Walls & Morgan, Van Nuys Bldg., L. A. Owner, Frank Simpson. Contractors, Alta Planing Mill Co., 830 McGarry street, L. A. Contract price, \$82,800.

DRAINAGE SYSTEM—\$84,936. Long Beach, Los Angeles Co., Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Contractor, James Kennedy, Washington Bldg., L. A. Contract price, \$84,936.

COLLEGE BUILDINGS—2, 3 story and 2, 1 story, reinforced concrete and brick, \$400,000. Los Angeles, Cal. Architect, Albert C. Martin, Higgins Bldg., L. A. Owners, St. Vincent's College. Contractors, Los Angeles Planing Mill Co., 1812 Industrial street, L. A. Contract price, \$160,000.

PORTLAND AND OREGON

HOSPITAL—3 story and base, reinforced concrete, \$75,000. Bend, Ore. Architects, Beezer Bros., Northern Bank Bldg., Portland. Owners, Sisters of Charity. Will contain both wards and private rooms, operating rooms, nurses' quarters and office. Plans are being prepared.

SEATTLE AND WASHINGTON

HIGHWAY CONSTRUCTION—\$107,322.69. Everett, Wash. Engineer, County Surveyor W. C. Hickford, Everett. Owners, Snohomish County. Mark Odell, Seattle. Submitted the lowest figure for paying Road No. 30 and will probably be awarded the contract.

HOTEL—1 story and base, brick and concrete, \$65,000. Chehalis, Wash. Architect, C. E. Troutman, Aberdeen, Wash. Owner, William West, Chehalis. Will cover a considerable ground area and has been designed for a high class hotel. Plans will be ready for figures about January 15th.

STORES AND FILM EXCHANGE—2 story and base, reinforced concrete, \$50,000. Seattle, Wash. Architect, E. C. Kinnear Hotel Savoy, Seattle. Owners, G. Kinnear Estate. Location, northeast 4th avenue and Stewart St., covering an area of 108 by 120 feet. Plans being prepared.

Contracts Awarded.

APARTMENT HOUSE—3 story and base brick and frame, \$20,000. Seattle, Wash. Architect V. W. Voorhes, Etel Bldg., Seattle. Owner, M. P. Lindros. Contractor, Charles Horn, 1061 East Lynn street, Seattle. Contract price, \$30,000.

FIGURES OPENED FOR MARIN WATER TUNNEL

Marin Municipal Water District to Spend a Quarter of a Million in Tunnel Construction.

SAN RAFAEL, Marin Co., Cal., Nov. 22, 1916—Seven sets of figures were opened by the Municipal Water District for the construction of the concrete lined tunnel to be constructed a distance of 8,700 feet. Engineer A. R. Baker's estimate for this work was \$316,900. McLaren & Peterson, Sharon Bldg., San Francisco, presented the lowest figure for the work at \$257,400. No award was made, but the low man will probably be offered the work. Following is a complete list of the bids received:

Marin Water Tunnel.

McLaren & Peterson.....	\$257,400
Frank S. Ostrander.....	266,028
E. S. Mulford.....	279,900
Twelve Bros.....	293,750
J. D. Hannah.....	350,550
Blake Bros. & Co.....	398,000
Potter Bros. (Bid not complete)	

ENGINEER QUILTS JOB.

H. H. Henderson Leaves Anderson-Cottonwood Irrigation Project Work; Successors Named.

ANDERSON (Shasta Co., Cal.)—H. H. Henderson, Engineer-in-Chief for the Anderson-Cottonwood Irrigation District, has tendered his resignation. The vacancy has been filled by the appointment of Thomas H. Means, of San Francisco, as consulting engineer, and E. R. Davis, also of San Francisco, as supervising engineer.

Henderson says he is obliged to testify as an expert in a very important water case in the San Joa-

quin Valley and that this made his resignation imperative.

At Henderson's request the Directors two weeks ago engaged engineers to go over the work and see how much would be needed to complete the system in addition to the \$480,000 realized from the sale of bonds. The Directors engaged Thomas H. Means and E. R. Davis, who are now soon to be placed in charge of the whole system. Means is an expert irrigationist. Davis is a civil engineer who has been in the Reclamation service.

The report of Davis and Means on the probable cost of completing the system will be made to the Directors, it is expected, inside of a month, and then the district will know how much more money will have to be raised.

In connection with the district's system costing more than was at first estimated, it is to be remembered that 2,600 more acres have been taken in, or will be taken in, and that twenty-nine more miles of laterals and canals that at first estimated, have been constructed.

IMPORT 10,000 NEGRO WORKERS FOR ROADS.

The vast amount of road improvement that is being accomplished in New Jersey has forced the importation of negro labor from the south. Munitions and other work have taken most of the available labor, and it is said that more than 10,000 southern negroes have been brought north in the past few months, many of these going into New Jersey.

AMERICAN ROAD BUILDERS' ASSOCIATION.

The Fourteenth Annual Convention of the American Road Builders' Association will be held in Mechanics Building, Boston, Mass., during the week beginning February 5, 1917. The program, which is in course of preparation, will include papers and discussions on subjects connected with road and bridge building and street paving by the foremost authorities of the United States and Canada.

AGENTS' COMMISSIONS IN NEW ZEALAND.

The following extract from a letter received from an Auckland manufacturers' agent and importer at whose request a "Trade Opportunity" was published in Commerce Reports last June gives a fair idea of the conditions under which New Zealand business houses expect to represent American interests in this field:

As to results from the "Trade Opportunity" transmitted in my behalf, nothing definite has been arranged so far, but I am in receipt of several communications to which I have replied and from which it is likely some business connections will be established as soon as this point is adjusted. This relates to commissions, which I want paid to me on all business done by the firms I represent, whether I directly send in the order or not. Many of my clients here have been accustomed to place their orders through brokers, and business that is really the result of my work thus reach the American manufacturer through a broker instead of through me. If the United States firm has no New Zealand customers when I accept the agency, then I feel that all results here should be credited to me.

This matter of commissions on all business done in New Zealand is quite important, especially where the representatives are supposed to cover the

whole Dominion—which can be done very easily since New Zealand is only about the size of California. It can readily be understood how discouraging it is for a firm to work up business in New Zealand and go to con-

siderable expense to introduce a line of goods, and then have importers here correspond direct with the American manufacturer in the hope of getting the merchandise at a lower price, thus leaving the agent out in the cold.

Keystone Hotel

54 4th Street, near Market
San Francisco, Cal.



Right down town. Close to the Builders Exchange and General Contractors Ass'n. Accommodations can't be equalled for double the price.

Rooms with private baths, \$1.25 per day.

DIRECT TO YOU

Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

of Canada, but now ascertained to have twelve votes in the electoral college, was very close and might also go to Wilson. California, too, a roof garden built by New York at vast expense to play golf in the winter, was doing its ungrateful best to nullify the election doing it even after New York had flashed the news out there that New York had decided it.

New York could hardly believe it. It was not until it had consulted the leading standard school textbooks that it was convinced there were any such states with such strange looking names as stared at it from the newspapers, and it was not until it had consulted its leading legal minds—including the one it had picked for Attorney General in the new Cabinet—that it was convinced those states had any representation in the electoral college.

But now that New York has had its eyes opened to the advantages of education its thirst for knowledge may lead it to take down the geography and history from the shelf and really apply itself. It will be surprised to learn the extent of the country outside its own borders and that there are states so far west of Buffalo that their people can walk about in the safe and bright sunlight hours after New York's gunmen have begun to shoot up the all night cafes.

CITY REDUCES PRICE OF COAL.

TERRA HAUTE.—The city of Terre Haute, through Mayor Gosson, entered the retail coal business recently and greatly reduced the cost to the consumer. Residents of the city through the municipal market were able to buy Indiana coal at \$2.75 a ton. Dealers were asking \$6 a ton for the same grade of coal. Mayor Gosson has leased a mine and hired 200 teams to haul the coal to the city.

ELECTRICAL WEEK PLANS BEING MADE.

OAKLAND, Cal.—Various electrical interests of the city are combining to make "electrical week" in Oakland the greatest advertising campaign that has ever been launched by any affiliated organizations. Luncheons are being held every Saturday noon at the Hotel Oakland by electrical men identified with the Oakland chamber of commerce, upon which occasions plans are formulated for "electrical week." The East Bay Cities Electrical Trades Association is lending its support to the movement.

RAILWAY IMPROVEMENTS IN GUATEMALA.

GUATEMALA CITY.—One of the most important railway improvements in many years in Guatemala will be realized and made effective January 1, 1917, when the International Railway of Central America will begin freight and passenger service on its newly located 12-mile line leading from Puerto Barrios to Managua, where connection will be made with the company's existing line to Guatemala City. The operation of the newly located line will mean the utilization of the big tunnel that cuts the high grade at Corozo Hill, 7 miles from Puerto Barrios, thus reducing the gradient from nearly 5 per cent to nine-tenths of 1 per cent. The

reduced grade will enable the road to put into effect an improved passenger schedule, and at the same time will increase the drawing capacity of the engines and permit betterments in the freight service.

The tunnel was conceived and located years ago by Mr. Bulfinch, an American engineer, now deceased, and was brought to completion by another American, Mr. A. Clark, as general manager of the International. It is 753 feet in length, 16 feet in width, and 18½ feet in height. Owing to the porous nature of the soil the work presented peculiar engineering difficulties. This is the third tunnel to be built on the Puerto Barrios-Guatemala City line, the road having at this time two tunnels in operation within a distance of 20 miles from Guatemala City.

New Line to Mexican Border.

The International Railways of Central America has also projected a line to run southeasterly from Santa Maria to Santa Ana in Salvador. It is stated that when this and other lines in Central America, projected or under construction, are completed, a direct through route will be afforded between Vera Cruz, Mexico, and Panama and Colon, extending along the western portion of Central America through the five Republics of Guatemala, Salvador, Honduras, Nicaragua, and Costa Rica.

GREATER YUMA RECLAMATION.

YUMA, Ariz.—New plans are being made to unite Yuma and Imperial valleys in one reclamation service project, create a great storage dam and reservoir at Yuma with dam bulwarks to include Prison Hill, Yuma and Indian Hill, in California; spillway for waters to Mexican lands that would create vast electric energy and provide for power for pumping waters to mesa land and also for commercial purposes. The proposed project is estimated to cost from \$20,000,000 to \$25,000,000.

SACRAMENTO HIGHWAY.

SACRAMENTO, Cal.—Actual work on the Sacramento County highway system, for which the people voted \$1,750,000 bonds on October 3rd, has been started with the preliminary survey on Greenback Lane, leading from the Auburn Boulevard to Folsom. Survey work also started on the Lower Stockton road at Franklin. About December 15th it is expected that the bonds will be sold; on January 2nd, the money will probably be in the treasury. Contracts will be awarded immediately after.

MADERA IRRIGATION.

MADERA, Cal.—An agreement has been reached between the Miller & Lux corporation and the proposed irrigation district by which a sum of \$10,000 is to be raised by popular subscription and the preliminary survey necessary before the project can be organized shall be made. The survey will embrace the dam site on the San Joaquin and different reservoir sites with estimated cost. It was definitely stated at a meeting of the water bureau that it assumes the proposed district enough flood water to irrigate 275,000 acres during the season when water is needed.

HIGH STEEL ROLLING MILL IS PROBABLE FOR SEATTLE.

SEATTLE, Wash.—Reports from Portland indicate that that city has awakened to the fact that it hasn't a strangle hold on a proposed \$1,000,000 rolling mill the Northwest Steel Co. is contemplating erecting in the Northwest with the chances that the huge project may slip somewhere and come to Seattle. It has been known in this city for some time that such a move was contemplated but has not been given publicity as it was thought best to let a sleeping dog lie but as Portland is now aroused it is up to Seattle to make a last supreme effort to secure the large industry. J. R. Bowles, president of the company, would not commit himself any more than admit that Seattle was after the project.

TRAVEL PICTURES OF MANY LANDS TO BE SENT OUT BY UNIVERSITY.

To aid school children and grown-ups also to play the game of "magic carpet"—that is, to go traveling all over the world while staying comfortably at home—the University of California is going to send any school or club stereoscopic slides from a remarkable collection illustrating travel all over the face of the earth. Any school, woman's club, or other organization can have the use of fifty of these slides for two days by sending to the University Extension Division two dollars and agreeing to pay the cost of expressage from and to Berkeley. With each set of slides goes a written lecture which may be read aloud by someone as the slides are displayed.

The University Extension Division has just added to this travel-picture collection thirty-two new sets of stereoscopic slides, each set containing about fifty separate slides. There is a group of slides for each of the following subjects: A Travel Tour of the United States; Alaska; the United States National Parks; the Panama Canal; the Philippines and the Hawaiian Islands; a Travel Tour of Canada; Mexico; Central America; South America; A Travel Tour of the British Isles; Travels in France and Monaco; Spain; Holland; Belgium; Denmark; Norway and Sweden; Germany; Switzerland; Italy; Austria-Hungary; Roumania, Bulgaria, and Turkey; Russia; Greece; Palestine and Syria; India; Japan; China; Egypt; the Panama-Pacific International Exposition; Early American History; Civil War History; Recent Historical Events; Physics; Mechanics; and Physics Electricity.

DO THE "RED BEDS" OF WYOMING CONTAIN POTASH SALTS?

The Embar formation of Wyoming is known chiefly for its extensive phosphate beds, which are supposed to have been derived in some manner from animal remains. The rocks contain abundant fossils, many of which are phosphatic, and all of which prove that the Embar beds of western Wyoming were deposited in the sea. Recent study of the eastward extension of the Embar formation in Wyoming shows that along the east margin of this ancient sea, or throughout the Bighorn Mountain region, the climate

was probably more arid than that of any part of Wyoming today. By long evaporation beds of gypsum were deposited at some places in arms of this sea to a thickness as great as 100 feet. It is a question of practical importance whether beds of salt, and perhaps of potash salt, may also have been deposited in this formation and whether they may now be found below the surface. The United States Geological Survey, Department of the Interior, urges that oil men, in drilling through the Chugwater and Embarras red beds in Wyoming collect samples of drillings and of brines and submit them to the Survey for examination as to their possible potash content.

A paper by D. Dale Condit, describing the relations of the Embarras and Chugwater formations in central Wyoming, and designated Professional Paper 98-O, may be obtained on application to the Director of the U. S. Geological Survey.

ROOSEVELT EXPRESSES HIS VIEWS ON MILITARY TRAINING.

"Sagamore Hill,"

November 15, 1916.

Lt. Gen. S. B. M. Young, U.S.A., Retired, President, Ass'n. for National Service, Metropolitan Bank Building, Washington, D. C.

My dear General Young:

I most cordially and emphatically approve your efforts, as President of the Association for National Service, to secure the passage of a law making it obligatory upon every male American citizen between the ages of 18 and 21 to serve 6 months or a year—as the case may demand—in the field with the colors.

I believe no one should be allowed to vote who has not thus served—politicians and professional pacifists are out of place in a free republic.

There should be education towards military training along the lines followed in Australia, Argentina, Switzerland and Japan.

No man is fit to be a freeman unless he has fitted himself to fight efficiently for his freedom.

With all good wishes, I am
Your fellow-American,
(SIGNED) THEODORE ROOSEVELT.

STANISLAUS OFFERS HIGHWAY BONDS.

MODESTO, Cal.—Stanislaus county is now advertising a bond issue of \$1,482,000 voted at the last election for highway purposes. Bids will be opened at the December meeting of the Board of Supervisors. In the meantime, three crews of men are at work surveying the country roads so that the work preliminary to letting contracts may be rushed.

CAPITALIST BEGGING IN SAN FRANCISCO.

A capitalist from the East has been in San Francisco for nearly a week, seeking an opportunity to invest at least \$10,000 in real ready money, in some California industry, but up to noon yesterday had failed to find a firm which wants to use his money. This announcement was made by Executive Secretary Charles R. Thorburn at the luncheon-meeting of the Home Industry League of California, held

yesterday at the Palace Hotel. Several other capitalists have written to the League from Eastern cities asking for information about California factories which could use their capital in expanding their businesses, all of them making the proviso that the business accepting their money must be prepared to allow them to take some active part in the firm's activities.

"The gentleman with the \$10,000 and more cash, who has been here for a week," stated Secretary Thornburn, "has already advertised in all the morning papers of the city, including the commercial papers, and has applied to the League for help in finding a money-needing firm simply because California have no need for ready cash in their factory owners who read newspapers business. The name and address of the money people will be given responsible people upon application to the League headquarters in the New Call Building."

R. C. Jones, of the Van Arsdale-Harris Lumber Co., made announcement that the U. S. Navy Department, is buying great quantities of California lumber in San Francisco, for shipment to eastern navy-yards, and is paying 250 per cent more for the freight on the lumber than the price of the lumber itself. Grayson Dutton, of the Fireman's Fund Insurance Co., states that while \$5,000,000 is paid out by Californians in fire insurance annually, only \$750,000 remains in California, the remainder going to New York and to Europe. W. R. Fites, of the Ink Ribbon Co., of San Francisco, announced that although his factory was started here only five years ago, in the face of calamity howlers, the company was already a surprising success, 60% of its ribbons going East.

WATERFORD SELLS BONDS.

WATERFORD, Cal.—The Waterford Irrigation district has just disposed of \$100,000 worth of bonds. The bonds were sold at 97 per cent plus accrued interest. The district recently voted to issue bonds to the value of \$465,000 for the purpose of improving and enlarging the water system.

A NEW GLASS FIRM.

J. B. Crowe, for many years with the California Plate & Window Glass Co., W. P. Fuller & Co. also Whittier-Cuburn & Co., has established himself in business at 1372-1374 Turk street at Fillmore street, where he has a complete line of glass of all kinds and sizes.

Mr. Crowe is so well known in the building line that his success is assured. Any job entrusted to him will be carefully attended to.

SAN FRANCISCO IS ASSISTANT STATE ENGINEER.

SACRAMENTO, Cal.—The appointment of W. S. Curtis of San Francisco as Assistant State Engineer at a salary of \$2,000 per year has been approved by the Advisory Board of the State Department of Engineering. The selection was made by State Engineer W. F. McClure from a list of three applicants certified by the State Civil Service Commission.

Curtis, who is a former railroad engineer, will commence work as soon as a \$10,000 bond required has been approved by Governor Johnson.

PLAN HIGHWAY SYSTEM FOR TULARE.

VISALIA, Cal.—Plans for the construction of a highway system through Tulare county are now being prepared. It is proposed to make a main road through the country touching Dinuba and Visalia. The road would also extend to the Kern county line down the East side. Cross laterals to bring every part of the country in touch with the rest of the county will also be constructed.

PLAN SUBMERGED DAM FOR WATER SYSTEM.

COALINGA, Cal.—Engineer F. B. Dessery, who was employed by the citizens' committee to draw up the plans for a water system prior to the bond election, when \$100,000 was voted for a municipal waterworks system, has been engaged by the city trustees to make soundings and borings in Warthan canyon, where it is proposed to sink a submerged dam and secure a water supply for the city. Dessery now has a crew of engineers working in the canyon about nine miles from the city, and it is hoped to have the site for the dam located in a few days as promising indications have already been found. The engineers propose to run the water by gravity from the outlet in the submerged dam to a point about a mile and a half from town, where an immense reservoir will be located, and as this point is several hundred feet above the city, no pumps will be required to deliver the water to the city, under a good pressure.

TULARE TO BUILD HIGHWAY BRIDGES.

VISALIA, Cal.—The last eight bridges over the state highway route in Tulare county will be advertised within the next month, it is believed, by the supervisors. Plans are now being prepared for some of these, and the others are to be rushed in view of the fact that construction on the remaining portion of the highway in Tulare county will likely be started by spring. In the neighborhood of \$25,000 is to be spent on these bridges, all of which are located in Supervisor Singleton's district, and run from Tipton south to the county line.

Tulare county, it is said, has built more bridges in number during the past year than any other county in the state, though the amounts expended have not been as high, due to the fact that many of the bridges were small concrete ditch coverings.

AMERICAN BANK IN VALPARAISO.

VALPARAISO, Chile.—El Mercurio of Valparaiso, in its morning edition of October 4, 1916, announces the opening of the Valparaiso branch of the National City Bank of New York on October 3, 1916.

The cash capital of the branch is stated as \$1,000,000. The manager is quoted as stating that the bank will engage in general banking operations, with special attention to facilitating

trade between Chile and the United States. It will also compile trade and credit information, trade opportunities, etc., for the benefit of its customers in the United States and Chile.

THREE-MINUTE TALKS ON CHRISTMAS BUSINESS.

Thirty prominent business men of San Francisco and Bay cities will each deliver a three-minute talk at the luncheon meeting of the Home Industry League of California, to be held at the Palace Hotel on Thursday, November 23d. The subject of each talk will be "What Our Firm is Doing to Make the Christmas Shopping of 1916 the Most Prosperous of all Holiday Seasons in the History of San Francisco and the Bay Cities." A spirited meeting is assured, since each speaker will be expected to tell why the line of goods which each one manufactures ought to be given the preference by people who desire to confine their selection of holiday gifts this year to articles "Made in California." Definite plans will be decided on at this meeting as to how the League will carry on its crusade for its "Make it a Home Industry Christmas" propaganda. It is believed by the League officials that this year the people of California will spend their \$15,000,000 of Christmas money for goods made and sold within the boundaries of the State, thus assuring few unemployed people on the streets of the cities during the coming winter, with a minimum number of the cold-weather burglaries.

NEW JAIL FOR TULARE COUNTY.

VISALIA, Cal.—Plans and specifications are completed for the new county jail that is proposed to be built at Visalia. Bids have been called for and will be opened next month. The new jail will cost about \$45,000 and will be similar to that at Bakersfield.

OAKDALE RICE YIELD HEAVY.

OAKDALE, Cal.—The rice yield in the Oakdale district has been unusually heavy this year, the average being 80 sacks per acre. The total crop for the district will probably be about 40,000 sacks. Next season the acreage will be considerably increased.

TO MAKE IT A HOME INDUSTRY CHRISTMAS.

A determined effort is now being made by the Home Industry League of California to have spent during the present holiday season with the merchants of the State, the \$15,000,000 which the League estimates has, in years gone by, been sent to merchants and manufacturers east of the Rockies for the annual stock of Christmas gifts. The mail order houses of Chicago and New York are the special foes the League will combat in its present crusade for a "Make it a Home Industry Christmas."

Executive Secretary Chas. B. Thorburn is sending out communications to the 25,000 active and associate members of the Home Industry League of California, urging them to induce all merchants and manufacturers whom they know or can reach personally to insert in all their holiday advertising the catch-phrase "Make it a Home Industry

Christmas." Business people who have not advertised in the past will be urged by the League's influence to do at least the minimum amount of advertising in their local newspapers and to use this catch-phrase in the space they contract for.

"And by the term, 'Make it a Home Industry Christmas,'" declared Mr. Thorburn, recently, "the League does not mean that the entire population of this State should purchase its Christmas goods in San Francisco only. The Home Industry League of California stands for 'Buy your goods at home' and by 'home' we mean the town or community in which the purchaser resides. The League bends all its energies to showing the residents of this State why it is to their own individual advantage to buy everything possible in their own home town, getting same from the California city next nearest the home town if the local merchant cannot supply them; but in any event not sending the money outside of the State.

USE OF DIATOMACEOUS EARTH.

Diatomaceous earth, which is made up of remains of minute aquatic plants, is a light earthy material resembling chalk or clay. The hardness, the minute size, and the angular shape of its grains make it an excellent metal-polishing agent, and heretofore it has been largely used as an abrasive in the form of polishing powders and scouring soaps. Of late, however, according to the United States Geological Survey, Department of the Interior, the uses of diatomaceous earth have been considerably extended. It is used by sugar refiners for filtering or clarifying; as an insulating packing material for safes, steam pipes, and boilers; and as a fire-proof building material. In the United States it is used in the manufacture of records for talking machines. In Europe it has been used in preparing artificial fertilizers and in the manufacture of water glass, cements, artificial stone, paper, sealing wax, fireworks, paper-mache, and other articles. A total of 4,593 tons of diatomaceous earth was produced and sold in the United States in 1915.

The municipality of San Salvador has contracted a loan of \$135,000 pesos (about \$56,700) to be used in building a new market place of reinforced cement.

The Fink & Schindler Company has received the contract for the remodeling of the Banking room fixtures for the First National Bank of Vallejo. L. M. Torton of Napa is the Architect.

PLANS FOR SUGAR FACTORY TAKING SHAPE.

MANTECA, Cal.—Matters in regard to the \$2,000,000 Spreckels sugar factory are fast taking shape and by the time another week rolls around details will probably be definitely settled.

In the past week officials of the company have been in the vicinity of Manteca looking over the different sites and have practically settled on one within a very short distance of Manteca, but at the present time are not ready to give it out. A great deal depends on the bringing in of another

railroad. A line has been assured the sugar company, but the matter of rights-of-way has not been settled.

General Manager F. E. Sullivan of the company has left for the East to purchase the necessary machinery for the new factory. In order to have the factory ready to handle the 1917 crop it is necessary that contracts with the machinery builders be signed up by the 1st of December. His first stop will be at Cleveland, Ohio. In the meantime the local details will be worked out.

IRRIGATION WORK PLANNED.

SAN DIMAS, Los Angeles Co., Cal.—Surveys for a \$1,000,000 irrigation project have been started by a San Dimas company, which has applied to the state water commission for permission to appropriate 2000 second feet of water in San Dimas canyon tributary to the San Gabriel river. It was planned to construct an arched concrete diversion dam 130 feet high to form a reservoir with a storage capacity of about 17,000 acre feet. This will be located in the Puddingstone canyon district. The cost of the dam and reservoir is estimated at about \$350,000. There will also be a canal four miles long, a tunnel 6000 feet long through the mountains separating San Dimas and San Gabriel canyons and a pipe line or flume from the mouth of the tunnel to the reservoir. The irrigating will be done in the vicinity of Baldwin park and Covina.

THE ROMAN PAINT CO. SECURES "THE MASTER BUILDERS CO." LINE.

The Roman Paint Co. 55 Montgomery street, San Francisco, has been appointed Sales Agents for "The Master Builders Co." of Cleveland, Ohio.

When Con Roman goes after anything he always gets it.

MILLION DOLLAR BOND ISSUED FOR LONG BEACH.

LONG BEACH, Cal.—In an effort to solve the chief problems confronting Long Beach at the present time, one of the biggest building projects ever launched in a Southern California beach city will soon be placed before the electorate in the form of a million dollar bond issue to cover the cost of erecting a steel and concrete five-story building to serve a three-fold purpose, that of an auditorium, civic center and city hall, and entrance to a proposed new 2000-foot concrete pleasure pier. The old skating rink site at the foot of Locust avenue has been selected as a tentative site for the proposed building.

CITIES ACTIVE IN ENFORCING MILK LAW.

Many cities have secured the approval of their dairy inspection departments from the State Dairy Bureau. Some of these include San Francisco, San Diego Santa Barbara, Pasadena, San Gabriel, Redlands, San Mateo, Palo Alto, Santa Monica, Eagle Rock, Beverly Hills, Burbank, Los Angeles and Glendale. Other cities are filing applications for such approval, and the Dairy Bureau is making inspections as rapidly as possible.

Under the rules for the enforcement

of the new milk law, every city, county, or city and county may secure the approval of the Bureau if they meet the required standards. The Bureau requires a sufficient force of inspectors in every city, and sufficient laboratory facilities to enforce the act, or at least an arrangement for the performance of bacteriological work, before approval is given. Without such an approved inspection department, citizens are unable to receive the protection given to them by those provisions of the new state law which deal with the inspection and grading of milk.

The California State Board of Health is co-operating with the Dairy Bureau and with the State Veterinarian in the enforcement of the new milk law, and although this act has been in effect only since the first of October, rapid progress has been made, inspiring better methods of milk production upon the part of the dairyman, and everyone else engaged in handling this most important food product.

The United States Geological Survey, Department of the Interior, now has available for distribution its annual statement on Iron Ore, Pig Iron, and Steel in 1915.

A PLEA FOR A CENTRAL ORGANIZATION.

Chamber of Commerce Endorsed.

At an informal meeting of a large number of the most prominent men in the building business of San Francisco and vicinity the following resolution was adopted by a unanimous vote, viz:

RESOLVED, That the assembled Material Dealers and Contractors, as patriotic and law-abiding citizens of San Francisco, heartily endorse the action of the Chamber of Commerce as expressed through its Law and Order Committee, and pledge their individual and collective support in bringing about industrial freedom and Law and Order in our city.

The expansion and development of this City and its industries, upon which the ultimate success of all business depends, rests largely upon the individual and collective determination of its citizens to abate those conditions which have retarded its growth, and to prevent their recurrence in the future.

The building business with its connected industries is a very important factor in San Francisco's commercial life, but, largely as a result of ruinous competition, destructive policies and the unreasonable restrictions and demands of its employees, it is in a very unsatisfactory condition, and will so remain unless a concerted effort is made to remove the causes which have brought about this deplorable condition.

A strong and permanent organization among the various crafts, will stabilize the entire industry and will act as an effectual check on the individual employer who would exploit his fellow member or the workman, as well as the union which demands that which is unfair, unjust and unreasonable.

Such an organization is sadly needed in this City. We are confronted with two organizations where there should only be one. These two organizations pulling in different directions are getting no where. A permanent central organization is the only solution.

COMPULSORY MILITARY SERVICE INTERCOLLEGIATE DEBATE'S THEME.

The question of compulsory military service has been chosen for this year's annual intercollegiate debate between Stanford and the University of California, on Friday evening, November 24, in San Francisco. For the first time, there will be no decision by judges but the whole endeavor will be to bring about an illumination of the subject of discussion, without award.

The question proposed by the students of the University of California was: "Resolved: That the United States should adopt a system of compulsory universal military service similar to that of Switzerland." Stanford was given the choice of sides and chose the affirmative. The University of California team, which therefore, will discuss the negative, consists of Harold Hyde, '17, of Watsonville; M. S. Rosenblatt, '18, of San Francisco, and Ray Vandervoort, '18, now of San Francisco and formerly of Los Angeles. The intercollegiate debate will take place at 8 o'clock Friday evening, November 24, at Knights of Columbus Hall, 150 Golden Gate avenue, San Francisco. The public will be welcome. Chester H. Rowell, editor of the Fresno Republican, has been asked by the students to preside and to close the discussion.

Notable Gathering Of Representatives Of the National Lumber Manufacturers Ass'n.

Yesterday's meeting of all the allied lumber interests at the Palace Hotel was an epoch-making event.

The most prominent representatives of the lumber industries from all over the United States were there and about 150 local dealers and manufacturers were present.

The session began with a luncheon at 12:30 o'clock and continued throughout the afternoon. The meeting was presided over by Mr. E. A. Selfridge.

F. J. Koster, President of the San Francisco Chamber of Commerce, welcomed our visitors, and among other things said that it was time for the lumber interests to stop being "quitters" whenever a competitive article appeared on the market, and urged co-operation.

Very interesting papers were read by the following gentlemen: Mr. R. H. Downman, President, The National Lumber Manufacturers Association, New Orleans, La.; Mr. C. S. Keith, President Southern Pine Association, Kansas City, Mo.; Mr. F. E. Weyerhaeuser, Northern Pine Association, St. Paul, Minn.; Mr. R. B. Goodman, Head of the Hemlock Promotion Campaign of the Northern States, Goodman, Wis.; and Mr. A. R. Turnbull, President North Carolina Pine Association, Norfolk, Va.

The meeting was in charge of the following committee:

A. A. BAXTER,
M. A. HARRIS,
OTIS JOHNSON,
E. A. BLOCKLINGER,
L. H. PIERSON,
E. A. SELFDRIDGE, JR.

SELECT ARCHITECTS FOR S.F. STATE BUILDING.

Seven San Francisco Firms are Selected in State-Wide Competition For Building in Civic Center.

The jury on the award of prizes in the San Francisco State Building competition have selected seven San Francisco architects and one Reno man, holding a California certificate, to participate in the final competition for the million dollar building.

The eight approved architects are: Bliss & Faville, Charles Peter Weeks, Louis P. Hobart, Bakewell & Brown, Loring P. Rixford and John Baur, Wood & Sampson, Wm. C. Hayes and F. J. Delongchamps.

These eight firms of architects will now enter the final stage of the competition. Further plans are to be submitted by them by February 15, and then one of the eight architects will be named as the official architect of the San Francisco State Building. The prize is worth about \$50,000. The other seven architects will, however, receive \$1,000 each for their participation in the second stage of the contest.

THE LAVAS OF HAWAII.

None of the island possessions of the United States exhibit more notable points of interest for the observant traveler or the naturalist than the Hawaiian Islands. The natives are typical of the race inhabiting many island groups of the south Pacific, the plant life has the attractive features of insular development in semitropical latitudes, the marine life of the warm waters is wonderful, but perhaps the most fascinating, instructive, and awe-inspiring of all the natural phenomena of Hawaii are furnished by its active volcanoes. The whole group of islands, extending in chain for many hundred miles, is of volcanic origin, though some of the islets and reefs are but the wave-battered remnants of volcanoes whose fires have long since died out.

Approaching Honolulu by steamer from San Francisco, the traveler has the evidence of volcanic action plainly before him in the first land he sees, in the ash cone of Koko Head and the well-preserved craters of Diamond Head and the Punch Bowl, which are in the outskirts of the city. The high mountains of the island of Oahu are also made up of black lava—basalt—but they are largely covered with vegetation and one must go to the largest island of the group, Hawaii, for the wonderful demonstration of the process by which all these island mountains have been built up from great ocean depths. Kilauea, one of the most active, and Mauna Loa, one of the largest volcanoes in the world, are showing just how lava builds up mountains. Both of these volcanoes are included in the newly created Hawaii National Park.

Since the time of Captain Cook the Hawaiian Islands have been visited by geologists and others interested in the problems of volcanoes, and much has been written concerning them.

Professional Paper 88, "Lavas of Hawaii and their Relations," by Whitman Cross, of the United States Geological Survey, Department of the In-

terior, presents a summary of what is now known concerning the lavas of all the islands. This paper is largely technical in its character, for it is intended primarily to serve as a basis for future study of the rocks by geologists.

It appears that there are many other kinds of lavas in Hawaii besides basalt, and many facts of association of the different lavas are of interest to students of the inner history of volcanoes. While much is yet to be learned concerning the lavas of these islands, Mr. Cross shows that present knowledge of the rocks is sufficient to throw light on some of the most vexed questions pertaining to the origin and relations of the igneous rocks of the earth. The chemical relations are discussed with particular thoroughness. Petrologists will find valuable material in this report, bearing on many problems.

CENSUS OF 1916 LUMBER PRODUCTION TO BE TAKEN.

WASHINGTON, November 27.—The census of the lumber production of the country for 1916 will be undertaken by the Forest Service in co-operation with the National Lumber Manufacturers' Association. The information to be obtained by this work, it is stated, will be of immense benefit to the lumber industry, the Forest Service, and other branches of the Government.

It is estimated by the Forest Service that there are more than 30,000 sawmills in the country and it is planned to have the investigation reach every sawmill in operation. Each of these will be asked to make a detailed report of its production. Information is sought as to the total quantity of each kind of wood sawed, the number of lath and shingles manufactured and the average mill value for each species. Printed schedules designed for use in different regions of the country will simplify the collection of the figures and make it easy for each mill man to send in a complete report. The work, it is stated, will be directed by the Office of Industrial Investigations of the Forest Service in Washington, but the western part of the country will be covered by the District offices of the Forest Service located in Missoula, Mont.; Denver, Colo.; Albuquerque, N. M.; Ogden, Utah; San Francisco, Cal., and Portland, Ore. The officers in charge of these Districts, being nearer and thoroughly familiar with the scenes of operations, are able to secure returns and compile results in less time than if the work were all handled from Washington.

It is intended that preliminary statements showing the production of the principal species, such as yellow pine, Douglas fir, white pine, and oak, and also the production of the leading states, will be issued as soon as the figures are available. The importance of these annual statistics, Forest Service officials say, is apparently not fully realized by all of the sawmill men, since past attempts to gather similar data show a large number often fail to reply promptly, or neglect to make any report. A better response has been received from the lumber trade in late years, and the officials in charge of the work believe that with proper co-operation on the part of the lumbermen final figures showing the total production can be announced by June 1, 1917.

NOTICE OF SALE.

On December 7th, 1916, at 10 o'clock A. M. the referee in bankruptcy will sell at auction at his office in the U. S. Post Office Building in San Francisco the property of the Sunset Construction Company. For further particulars see T. H. LAINE, 14 Montgomery Street, San Francisco.

CALIFORNIA'S GREATEST ACHIEVEMENT



Shortest and Most Compact Range Made.

A CALIFORNIA PRODUCT

Made in California—By California Labor—To Meet California Conditions. It must be right. Buy the "Spark" Gas Range and add to California's prosperity.

MANUFACTURED AND GUARANTEED BY
HAMMER-BRAY CO.
OAKLAND, CAL.

**Two Fine Building
Lots, N. Cragmont
Berkeley for Sale.**

These lots command an unobstructed panoramic view of Oakland, Berkeley and San Francisco Bay. Convenient to cars.

New homes being erected on all sides. Both lots 40 feet front and varying depths of 140 to 200 feet. Street work and sidewalks done. Gas and electricity to lot line.

Address C. F. E., care this office.

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

CHICO STATE NORMAL TO HAVE ELECTROLIER SYSTEM ON CAMPUS.

CHICO, Cal.—Plans and specifications for an electrolier system for the grounds of the Chico State Normal School have been prepared by State Electrician Simondson, and will be presented by him to President Allison Ware some time next week.

It is planned to install fifteen electroliers along the driveways and approaches to the school at an approximate cost of \$1,000. The type of standard has not yet been decided upon, but it will be of the most modern design.

PLAN RAILROAD EXTENSION.

LOS ANGELES, Cal.—That a contract is soon to be let by the Salt Lake railway for the building of a line from Pico to Santa Ana was announced by officials of the railway company.

The new line is to extend from Pico, through Whittier, Fullerton, Anaheim, Orange and Santa Ana. It will be some 25 miles long and will require about six months to complete.

According to information received in Los Angeles it was reported that the line was to be extended to San Juan Capistrano, and that the Salt Lake would make a traffic arrangement by which Salt Lake passengers and freight service could be extended clear to San Diego.



LEAVE KEY ROUTE FERRY	
Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jet, Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
*1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jet, Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.
* Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.	
OAKLAND, ANTIOCH & EASTERN RAILWAY	
Key Route Ferry. Phone Sutter 2339.	
Red Line Trans. Co., S. F.; People's Express Co., Oakland.	

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 1781.

PIERCE-BOSQUIT Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

STOP

Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VALUABLE

TWENTIETH CENTURY MIXERS

Favers, Concrete Carts, Hoists, Etc., Are Built For You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

19

To the Building and Engineering News 560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Signed _____

Street and No. _____

City _____

State _____

Cut this out and mail to-day

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 40

Publication Office,
500 Mission St.

San Francisco, Cal., December 5, 1916

Telephones Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for
Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

**PYROPHOR is a
Tool Steel** which

is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadhock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco

Telephone Sutter 5231

Member
Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE

68 POST STREET

Foxcroft Building

San Francisco

THE
Safe Deposit Vaults
of the
BANK OF ITALY

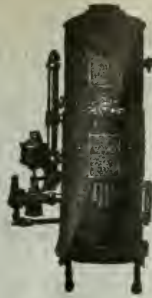
Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"
Automatic
Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2807
Oakland, Oakland 6841

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bel. Gough and Octavia

SAN FRANCISCO, CAL.

You are protected by this trademark



This trademark, which appears upon every "Pacific" fixture, relieves you of all responsibility.

It guarantees that the fixture is of superior quality, and is guaranteed forever against any defects in workmanship or materials.

"Pacific"

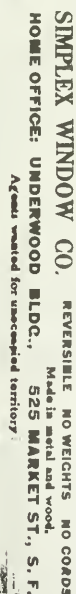


Plumbing Fixtures

For Sale By All Jobbers

Main Offices and Showroom,
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. December 6, 1916

Sixteenth Year, No. 49



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LAHSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers,
Surveyors, Architects, Contractors
and Municipal Authorities on the
Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	
Apartment House	4
Bonds	4
Bridges, Dams and Harbor Work	4
Factories and Warehouses	4-5
Fire Houses	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	20
Garages	5
Government Work and Supplies	5
Halls and Society Buildings	5
Hospitals	5
Hotels	5
Irrigation and Reclamation Proj- ects	5-6
Los Angeles and Southern Cali- fornia	21-22
Marin, Contra Costa and Sonoma Counties	19-20
Oakland and Alameda County	13-14-15-16-17-18
Portland and Oregon	22
Post Offices	5
Power Houses	5
Residences	5-6
Railroad Construction and Equip- ment	6
Sacramento, Stockton and North- ern California	21-22
San Francisco	10-11-12-13
San Jose and the Santa Clara Valley	13-19
Schools	7
Sealed Proposals	9
Seattle and Washington	22
Sewers and Street Work	7-8
Stores and Offices	8-9

MODEL CITY AT HONGKONG.

[Consul General George E. Anderson,
Hongkong, British China, Sept. 23.]

For a good many years schemes have been entertained from time to time for the erection somewhere in South China of a model city for the use of well-to-do Chinese. Chinese people of wealth and Chinese returning from the United States, Australia, and other sections of the globe with a knowledge of modern cities have felt this need, and in recent years several attempts have been made to launch such a project.

One scheme went so far as the organization of a city at Heungshan, not far from Kowloon and within a short distance of Hongkong. This city was established upon Chinese soil and by special arrangement with the Chinese Government. It was to have certain customs privileges; it was established upon modern sanitary lines; and its close proximity to Hongkong, on the one hand and its location in the part of China from which come most of the Chinese in America on the other, were expected to make it attractive. The city has made little progress, however.

Modern Suburb the Latest Project.

The latest undertaking of this sort is for the construction of a model suburb of Hongkong along the most modern lines for the housing of wealthy Chinese. This plan involves the reclamation of a tract of land about a mile and a half long and a third of a mile broad, the construction of wide avenues and fairly wide side streets, the erection of 47 blocks of high-grade apartment, tenement, and similar buildings, and the establishment of a modern sewerage system and other public utilities. In spite of war and the uncertainties of finance the company undertaking this enterprise has been formed and its plans completed, and work is to commence at once.

As has been indicated in reports from this office, increasing numbers of wealthy Chinese from various parts of South China are coming to Hongkong to make this city their permanent residence. The result has been a constantly increasing need for houses for such people and a growing demand on their part for homes so situated that they can be among their countrymen. Most of these newcomers have plenty of money for their needs, and some of them have considerable sums for which they seek profitable investment. Purchases of residence property in the lower levels of Hongkong by such people have changed the entire course of real estate matters in the colony of Hongkong. The organization of this new suburb offers a way out of many difficulties, for it will not only afford this class of people the proper housing they demand but will also offer a ready and safe investment.

The new suburb is to be located on the south side of the Kowloon penin-

sula, the mainland portion of the colony of Hongkong, 2 miles from the landing of the ferry from the city of Victoria (commonly known as Hongkong) and along the shore of Kowloon Bay near the native city of Kowloon. The site is to cover a tract about 8,000 feet long and 1,500 feet broad, embracing the foreshore only but backed by hills from which several small streams emerge, the ravines affording considerable fall for drainage purposes. The reclamation is wholly a dredging undertaking. The company is at present drawing specifications for the work to be done and expect to let the contract within the next six or eight weeks. There is some doubt as to whether dredging machinery of sufficient capacity will be available at the present time for the company's purposes, but apparently this is the only obstacle in the way of rapid progress being made upon the entire undertaking.

Construction by Syndicates—Plans Include Piers and Warehouses.

The reclamation of the land for this suburb is being undertaken by the original syndicate, the plan being that the construction of tenements, private residences, piers, and warehouses shall be undertakings of separate syndicates to be arranged later. Being on the mainland portion of the colony the site has the advantage of railway connections for piers and warehouses and to assist in its development generally. It is probable that connections with Kowloon and Hongkong will be maintained by motor busses rather than by a tramway system, but this question is yet to be settled.

The plan includes the erection of four piers, with space for warehouses if need for them arises, on the water front of the reclaimed land. The depth of water now over the site averages about one and a half fathoms. With the extension of the piers and the dredging to be done in reclamation work sufficient depth for ordinary ocean going vessels will be had at all tides.

Unless delayed by a lack of machinery it is expected that the reclamation will be completed in about two years.

LUMBER EXPORTS.

PORT TOWNSEND—During the month of October, the lumber exports from Puget Sound showed a marked increase over previous months during the past two years. The exports totaled 28,500,000 feet, according to the monthly statement just issued by Collector Roscoe M. Drumheller. Raw cotton also reached the top line with 11,113 bales valued at \$2,584,190, while iron, steel and manufactures to the value of \$2,778,966 found their way to foreign countries. The total exports for October amounted to \$11,915,651 and the imports to \$12,528,681.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES.

SAN FRANCISCO. Apartment house, 1 story and base, frame. Cost not stated. Architect, Henry Sherman, Mills Bldg., S. F. Owner, B. F. Meyer. Location, south California between 2nd and 3rd avenues, covering an area of 7 by 105 feet. Will contain six residential apartments of four rooms and bath. Basement garage. Interior finish southern gum and hardwood with enamel. Plans complete and figures being taken.

SAN FRANCISCO. Apartment house, 3 story and base, frame, \$35,000. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owners, H. H. Green and Ray Sanfill. Location, southwest Pacific and Franklin streets. Will contain six residential apartments of four and five rooms. Plans revised and new figures being taken.

OAKLAND, CAL. Apartment house, 2 story and base, frame, \$10,000. Architect, none. Owner, H. S. Pratt, 1115 Glendora avenue, Oakland. Location, northwest 39th and Market streets. Will contain sixteen rooms arranged in two and three room apartments. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL. Apartment house addition, 2 story and base, frame, \$2,000. Architect, none. Owner, Mrs. L. C. Ramsdell. Location, 66 Panoramic Way. Work will consist of adding kitchens and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO. Apartment house, 7 story and base, reinforced concrete, \$100,000. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owner, A. W. Wilson. Location, north Jackson west Franklin covering an area of 22 by 114 feet. Will contain seven residential apartments each of six rooms. Plans complete and segregated figures being taken.

SAN FRANCISCO. Apartment house, 3 story and base, brick, \$30,000. Architect, Joseph Cohen, 15 Kearny street, S. F. Owner, I. Rosenberg and Joseph Cohen. Location, southeast Sacramento and Laguna streets, covering an area of 72 1/2 by 53 feet. Will contain fourteen suites of two, three and four rooms. Plans complete and segregated figures being taken.

OAKLAND, CAL. Apartment house, 2 story and base, frame, \$12,000. Architect, James W. Plancher, Archeson Bldg., Berkeley. Owner, R. H. Lindshaw. Location, 66th and Telegraph avenue. Will contain stores on the first floor and six three-room apartments above. Plans complete and segregated figures being taken.

Contract Awarded.
LOS ANGELES, CAL. Apartment house, 4 story and base. Class "C" construction, \$125,000. Architects, Peoples & Cheney, Haas Bldg., L. A. Owners, Wilshire Hotel Co., Contractors, Atlas Building Co., Haas Bldg., L. A. Con-

tract has been taken on the percentage basis.

VENICE, LOS ANGELES CO., CAL. Apartment house, 1 story and base, brick, \$30,000. Architect, D. H. Smith, 819 South Ocean Front, Venice. Owner, David Evans. Contractor, D. D. Smith, 819 South Ocean Front, Venice. Contract price, \$30,000.

BONDS.

ALPAUGH, TULARE CO., CAL. The directors of the Alpaugh Irrigation District will receive sealed bids for the purchase of \$283,000 worth of bonds which will provide for irrigation improvements. W. T. Holton is Secretary of the district at Alpaugh.

SEAL BEACH, ORANGE CO., CAL. An election has been called for December 21st to vote bonds of \$45,000 for the installation of a sewerage system, including a system of septic tanks. Olmstead & Gillelen, engineers of Los Angeles are planning the work. A \$30,000 issue is also planned for a municipal water plant.

RED BLUFF, TEHAMA CO., CAL. Bids will be received by the Supervisors of Tehama County up to December 8th for the purchase of \$15,000 worth of Red Bluff School bonds. H. G. Kuhn is County Clerk.

ALBANY ALAMEDA CO., CAL. December 9th is the date set for the holding of a bond election to vote \$25,000 for paving San Pablo avenue through the city limits.

EL PASO, TEXAS. An election will be held December 19th, for voting on an issue of bonds for providing funds for the following purposes: Installing septic tanks at the city's disposal plant, \$10,000; installing drainage system for flood waters, \$75,000; extending and permanently improving sewer system, \$40,000; grading and improving streets and alleys, \$40,000.

COALINGA, FRESNO CO., CAL. Engineer Floyd Dessery, Central Building, Los Angeles, has been engaged by the City Trustees to make soundings and borings in Warthan Canyon, where it is proposed to sink a submerged dam and secure a water supply for the city. Dessery drew up the plans for a water system when the \$100,000 bond issue for a water system was proposed. The issue carried at the recent election.

REDWOOD CITY, SAN MATEO CO., CAL. The County Supervisors have sold the \$15,000 bonds of the West Union School District to the Bank of Italy, they being the best bidders at \$1,035.

LONG BEACH, LOS ANGELES CO., CAL. The City Commissioners will be asked shortly to appropriate \$2,500 to employ engineers to draft plans and specifications for the American avenue-Pine avenue pleasure pier. Under present plans an issue of \$500,000 in bonds will be asked. The proposed pier is of the horseshoe or V-shaped structure, extending seaward about 2,000

feet. B. F. Nickler is selecting the campaign committee members.

BRIDGES, DAMS AND HARBOR WORK

RICHMOND, CONTRA COSTA CO., CAL. Harbor fill, etc. Cost as follows. Engineers, Haviland & Tibbitts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. The Standard American Dredging Co., 414 13th street, Oakland, although being the low bidder for constructing the mud fill in the inner harbor, was not given the contract by the City Council. The matter was referred to the City Attorney for one week. Only three bids were received for the work. The fill is to be approximately 4,600 linear feet in length. The bids were: Standard American Dredging Co., \$39,376; American Dredging Co., \$52,900; San Francisco Bridge Co., \$43,240.

OAKLAND, CAL. Bridges, fender piles, etc. Cost not stated. Engineer, County Surveyor, Oakland. Owners, Alameda County. Bids will be opened on December 18th at 10 a. m. for the construction of fender piles at the Webster street bridge across the estuary between the cities of Oakland and Alameda.

REDWOOD CITY, SAN MATEO CO., CAL. Culverts, reinforced concrete. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids will be opened on December 8th at 10 a. m. for the construction of a reinforced concrete culvert on the Alpine road in the Third Road District of San Mateo County.

RICHMOND, CONTRA COSTA CO., CAL. Rock sea wall. Cost not stated. Engineers, Haviland & Tibbitts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. Bids will be opened on December 18th at 5 p. m. for the construction of a rock sea wall adjacent to Municipal Wharf No. 1, Richmond Harbor, on the waterfront at Point Richmond.

Contract Awarded.

SOUTH VALLEJO, SOLANO CO., CAL. Flour mill and elevators, reinforced concrete. Cost not stated. Engineer, Maurice Conhot, 110 Sutter street, S. F. Owners, Sperry Flour Co., Contractors, Duwiddie Construction Co., Crocker Bldg., S. F. Contract includes only the reinforced concrete and steel work. Contract price not stated.

FACTORIES AND WAREHOUSES.

OAKLAND, CAL. Factory, 1 story, brick, \$7,000. Architect, A. W. Smith, 1010 Broadway, Oakland. Owners, Rex Switch Board Co. Location, 28th and Telegraph avenue. Will cover an area of 50 by 120 feet and contain offices besides the factory. Plans complete and figures being taken.

LOS ANGELES, CAL. Factory group, \$10,000,000. Engineer's name not given. Owners, Eisenhuth Motor Co., J. W.

Eisenhuth, president of the Eisenhuth Motor Company, has applied to the Harbor Commission for a lease on a site of seventy acres at Los Angeles Harbor on which the company proposes to construct a manufacturing plant to cost \$10,000,000. Options have been secured on adjoining property and the factory will occupy a total of 147 acres. The company will manufacture automobiles, auto trucks, and gas engines. Mr. Eisenhuth lives at the Angelus Hotel and states that the project has been financed by eastern capital.

LOS ANGELES, CAL.—Ship building plant, \$750,000. Engineer's name not given. Owners, Los Angeles Ship Building Co. E. G. Eckstrom 237 1/2 W. Hellman building, representative, which is negotiating with the Harbor Commission for a lease of a ship building site at Los Angeles Harbor, contemplates the erection of a group of buildings for the new plant. Mr. Eckstrom states that the buildings will be of frame construction and that the work will be done by the day. The new structures will include a plate shop, 80 by 450 feet; machine shop, 80 by 250 feet; carpenter shop, 60 by 200 feet; two-story office building, 40 by 125 feet; pattern store room, 40 by 75 feet; and general storage building, 60 by 150 feet. The shop building will be equipped with a large traveling crane. The total expenditures, including buildings, construction of wharves, and machinery, will eventually reach the sum of \$750,000.

LOS ANGELES, CAL.—Bakery, 1, 2 and 3 story and base, brick, \$65,000. Architect's name not given. Owners, The Supreme Baking Co., 401 North avenue. L. A. Contractors, Frank Graves & Son, Builders' Exchange, L. A. Contract price, \$65,000.

FIREHOUSES AND JAILS

SAN FRANCISCO—Fire house, 3 story and base. Class C construction, \$33,000. Architects, Ward & Blohme, Alaska-Commercial Bldg., S. F. Owners, City and County of San Francisco. Location, 25th and Vermont streets. Will contain general apparatus room on the ground floor and quarters for the men above. Plans are being prepared.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, Joseph Hagen 1710 Sacramento street, S. F. Location, north Sacramento west Polk, covering an area of 25 by 80 feet. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL. Flats, 2 story and base, frame, \$3,000. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owners, Messrs. Brock and Maisel. Location, northeast El Dorado and Boese. Will contain two flats of five and six rooms. Plans complete and figures being taken.

GARAGES

SAN FRANCISCO—Garage, 1 story and base, reinforced concrete, \$17,500. Architect, August G. Headman, Call Post Bldg., S. F. Owners, Gihreke & Kuner. Estate. Location, southeast Golden Gate and Gough streets, covering an area of 57½ by 155 feet. Will

contain storage space and machine shop. Plans are being prepared.

BERKELEY, ALAMEDA CO., CAL.—Garage, 1 story and base, Class C construction, \$10,000. Architect, A. W. Smith, 1919 Broadway, Oakland. Owner, Mr. Dana. Location Elks and Telegraph avenue. Designed for a commercial garage and will contain machine shop besides the office and storage space. Plans complete and figures being taken.

Contracts Awarded

MANTECA, SAN JOAQUIN CO., CAL.—Garage, 1 story and base, brick. Cost not stated. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, Josh Cowell, Manteca. Will cover an area of 75 by 150 feet. Contractor, Dan Baysinger, Ripon. Contract price not stated.

GOVERNMENT WORK & SUPPLIES

San Francisco, Cal., Skylights, Etc.

The contract for new skylights painting, etc., in the U. S. mint at San Francisco, Cal., has been awarded to C. A. Ingerson at \$1,250.

Port Townsend, Wash., Lumber.

The contract for furnishing lumber, etc., for the U. S. Quarantine Station at Port Townsend, Wash., has been awarded to Miller & Peach at \$683.64.

Wenatchee, Wash., Post Office.

The supervising architect, Treasury Department, Washington, D. C., will shortly call for supplemental bids from original bidders under opening of November 10 for the construction complete of the U. S. post office at Wenatchee, Wash.

San Diego, Cal., Locomotive Crane.

The following bids were received by the chief, bureau of yards and docks, Navy Department, Washington, D. C., November 20, for furnishing 1 locomotive crane at the naval coal depot, San Diego, Cal.

Item 1, locomotive crane complete; 2, do, modified in accordance with bidder's specification.

The Browning Co., 16226 Waterloo Road, Cleveland, Ohio, Item 2, \$12,674, time April 16.

The Link-Belt Co., 329 West 39th street, Chicago, Ill., Item 2, \$11,200, time, 180 days.

HALLS AND SOCIETY BUILDINGS.

LAURELHURST, ORE.—Club house, 2 story, brick and frame, \$10,000. Architects, Lucius & Martin, Lewis Bldg., Portland. Owners, Laurelhurst Club. Location, east Ankeny street. Will contain social rooms, large ball rooms, complete kitchen equipment and offices. Plans being prepared.

HOSPITALS.

SACRAMENTO, CAL.—Hospital boiler equipment, etc. Cost not stated. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento County. Bids will be received up to December 22nd at 2 p. m. for the furnishing of all labor, materials and mechanical workmanship necessary for the furnishing and installing of boiler and piping for the Nurses' Home and three ward buildings, now being erected on the present county hospital grounds.

HOTELS.

SAN JOSE, SANTA CLARA CO., CAL.—Hotel addition, 2 story and base, reinforced concrete, \$70,000. Architect, William Hunter, Rea Bldg., San Jose. Owners, Monteclara Hotel Co., Location, San Antonio north North First St. New portion will contain 300 rooms, dining room and kitchen. Plans complete and figures being taken.

SEATTLE, WASH.—7 to 11 story and base, etc., and reinforced concrete structure. Architect, Auer & Young, 4 1/2nd and H. Cityman, Seattle. Owners, Hotel Washington Co., Contractors, Black Construction Co., Alaska Bldg., Seattle. Contract price, \$750,000.

IRRIGATION PROJECTS

TRACY, SAN JOAQUIN CO., CAL.—Irrigation project. Cost not stated. Engineer, W. G. Hunter, Commercial Building Bank Bldg., Stockton. Owners, West Side Irrigation District. Bids will be opened on December 19th for work to be done in the construction of a intake canal from Bethany Ferry (a point near the northern corner of the southwest ¼ of the north 1/4 of section 19, T. 2 S., R. 4 E., Mt. D. B and M), the canal to be about 5,500 feet long and 225,000 cubic yards of material to be excavated.

WATERFORD, STANISLAUS CO., CAL.—Irrigation siphon. Cost not stated. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Bids will be opened on December 21st at 2 p. m. for constructing a siphon. Said siphon is to be situated at the crossing of the lower main canal of the Waterford Irrigation District beneath the outlet canal of the Modesto Irrigation District reservoir, and at a point approximately 700 feet southerly from the outlet gates of said reservoir. The work involved includes making necessary excavation and backfilling and pouring approximately 165 cubic yards of reinforced concrete, said work being known as Contract Section No. 6.

WATERFORD, STANISLAUS CO., CAL.—Irrigation flume, etc. Cost not stated. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Bids will be opened on December 21st for constructing a cement lined flume to be situated at the crossing of the lower main canal of the Waterford Irrigation District over the main canal of the Modesto Irrigation District and about one-half mile northeast of the town of Waterford. The work involved includes the excavation of footings and headworks, pouring concrete footings, erection of flume, and application of cement plaster lining. Flume box is to be 4 by 6 feet and approximately 300 feet long. The work is to be known and described as Contract Section No. 7.

PRIBBLE—Sealed proposals will be received by the United States Reclamation Service, Washington, D. C., until 2 o'clock p. m., December 20, 1916, and will at that hour be opened, for furnishing and erecting one steel highway bridge, consisting of four 11 foot 6 inch pony truss spans, over the highway at Sherburne Lake's Dam, Milk River project, Montana. For particulars address the United States Reclamation

Service, Washington, D. C., Denver, Colo., or Browning, Mont. A. P. Davis, chief engineer.

GATES AND STANDS—Sealed proposals will be received by the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m., December 20, 1916, and will at that hour be opened, for furnishing cast iron gates and gate stands for Rio Grande project, New Mexico-Texas. About twelve tons of metal work will be required. For particulars address the United States Reclamation Service, Denver, Colo., or El Paso Texas. A. P. Davis, chief engineer.

CHOWCHILLA, SAN BERNARDINO CO., CAL.—The Chowchilla Reclamation District, which is being organized to construct levees along the sloughs of the San Joaquin River and to drain the swamps, at approximate cost of \$400,000, has elected the following directors: H. S. Wanzler, G. A. Howell and E. M. Binder. Engineering plans will be submitted to the Board of Supervisors next month.

HESPERIA, SAN BERNARDINO CO., CAL.—An irrigation system to serve the lands on both sides of the Mojave River between Hesperia and Victorville, is under consideration by property owners in Victor Valley and Apple Valley. The holdings of the Arrowhead Reservoir and Power Company will probably be secured as a basis for the system.

MADERA, MADERA CO., CAL.—Improvements costing \$1,000,000 are planned by the Madera Irrigation District. Dams and reservoirs on the San Joaquin River are included in the program. Engineer Frank Clare has been retained to make the preliminary survey, for which \$10,000 is being raised. The Miller & Lux Corporation, San Francisco, has agreed to assist in the work if the present plan is carried out.

POST OFFICES

BAKERSFIELD, KERN CO., CAL.—Post office, 2 story and base, brick, steel and stone. Cost not stated. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be received on December 22nd at 3 p. m. for the entire construction of the new federal building. Plans provide for a building similar to the post office at Berkeley, Cal. An official proposal appears in another column of this issue. Plans can be secured from either the Supervising Architect at Washington, D. C., or the custodian of the site at Bakersfield.

POWER HOUSES.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The Santa Barbara Gas and Electric Company will start work within a few weeks on the construction of a second generating unit of its gas plant on Quarantine street to cost \$15,000. The contract for the iron work has been let to the Baker Iron Works of Los Angeles.

NILAND, IMPERIAL CO., CAL.—A power line from Niland to the head of the Alamo canal to supply the Imperial Irrigation District, and costing approximately \$150,000, is planned by the Southern Sierras Power Company, Riverside.

SAN DIMAS, LOS ANGELES CO., CAL.—It is the plan of J. W. Reagan, County Flood Control Engineer, to construct, under the proposed \$3,600,000 bond issue, a dam in San Dimas Canyon, 125 feet high and 265 feet long, with 13-foot roadway on top, to impound about 2,400 acre-feet of water. Cost, about \$300,000.

HANFORD, KINGS CO., CAL.—Bids will be received by the Board of Supervisors up to January 2nd, for the purchase of a franchise for the installation of an electric power and lighting system in Kings County. E. F. Pickerill is clerk of the board.

Contracts Awarded.

SAN RAFAEL, MARIN CO., CAL.—Water tunnel, \$257,400. Engineer, A. R. Baker, San Rafael. Owners, Marin Municipal Water District. Contractors, McLaren & Peterson, Sharon Bldg., S. F. Contract price, \$257,400.

EUREKA, HUMBOLDT CO., CAL.—Water pipe. Cost as follows. Engineer, City Engineer, Eureka. Owners, City of Eureka. Contractors, Pacific Hardware and Steel Co., S. F. Contract price, 12,000 feet of 2-inch iron pipe at \$13.00 per 100 feet.

RAILROAD CONSTRUCTION AND EQUIPMENT

NEEDLES, SAN BERNARDINO CO., CAL.—Railroad shops, etc., reinforced concrete. Cost not stated. Engineer, Chief Engineer, Kerchoff Bldg., L. A. Owners, Atchison, Topeka and Santa Fe R. R. Co. Twenty buildings are included in the plan. The roundhouse will be of reinforced concrete construction and will contain forty stalls, making one of the largest roundhouses on the Santa Fe system. The other buildings will be of brick and frame construction and will range from small structures to large shop buildings. An estimate is being made as a basis on which to make an appropriation for the erection of the buildings.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Railroad station, etc., reinforced concrete. Cost as follows. Engineer, Chief Engineer, Kerchoff Bldg., L. A. Owners, Atchison, Topeka and Santa Fe R. R. Co. Plans for new buildings for the Santa Fe depot grounds south of Third street, comprise the following structures: A passenger depot costing \$200,000; refrigerator repair plant costing \$75,000; car and coach shop, 150 by 245 feet, together with other shop buildings, \$125,000; upholstering and cabinet shop, 73 by 132 feet; mill building, 80 by 230 feet. The new buildings will cover a tract of ground 1725 by 250 feet fronting on Third street. It is proposed to purchase the land for about \$100,000. Plans for the new buildings are being evolved by General Manager A. G. Wells, General Superintendent J. L. Hibbard, and Herbert S. Wall, shop superintendent.

RESIDENCES

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owners, Oscar Helman & Bro., 742 Market street, S. F. Location, west 23rd avenue north Fulton. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 1 story and base, frame, \$4,000 each. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Co., 85 Cerritos avenue, S. F. Location, east 17th Avenue Drive south Pico. Each house will contain eight rooms, two baths and separate garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, John M. Peters, 1010 Balboa street, S. F. Location, west 12th avenue south Cabrillo. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$7,500. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F., sold to John E. Cazes. Location 26th avenue near Sea Cliff. Will contain eight rooms, two baths and a garage. Plans complete and work being done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, M. J. Walsh, 915 Treat avenue, S. F. Owner, Oscar Swanson, 572 Clipper street, S. F. Location, west 23rd avenue north Irving. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owner, Michael Casey. Location, Sanchez and 15th streets. Will contain ten rooms, bath and basement garage. Plans being prepared.

SAN FRANCISCO—Residence, 1 story and base, frame, \$2,750. Architect, E. J. Spence, 337 25th avenue, S. F. Owner, E. A. Janssen, Hearst Bldg., S. F. Location, east First avenue north Turk. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base frame, \$3,000 each. Architect, none. Owner, C. S. Allred, 150 Onondago street, S. F. Location, north-east 24th avenue and Cabrillo. Each house will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 1 story and base, frame, \$4,000. Architect, A. W. Smith, Oakland. Owners Barrett & Hilt, Sharon Bldg., S. F. Location, east Miramar north Southwood. Will contain eight rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence 1 story and base, frame, \$3,000. Architects, Wood & Simpson, 110 Sutter street, S. F. Owner, F. E. Peake. Location, 770 Spruce street. Will contain four rooms bath and sleeping porch. Separate garage. Plans complete and figures being taken.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner's name withheld. Location, Piedmont. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, E. B.

Splittler, \$15 Oxford street, Berkeley. Location, east Mendocino south Indian Rock. Will contain nine rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, E. S. Cortage, 123 Folger avenue, Berkeley. Location, north Alleen street west Shattuck. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, Herbert F. Kern, 928 San Benito Road, Berkeley. Location, north Los Angeles near Mariposa. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$2,500. Architect, none. Owner, Paul C. Woodburn, 3965 Greenwood avenue, Oakland. Location, east Vista north Wellington. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, J. Muldoon, 2417 Blake street, Oakland. Location south Alleen west Gaskill. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, C. W. Glantz, 1922 88th avenue, Oakland. Location, east Harriet street north Carlton. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, I. Hylander, 1374 East 14th street, Oakland. Location, west Division north East 38th street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Ole Kolon, 2127 Brice street, Oakland. Location, west Ransom avenue south Santa Rita. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, C. Texdahl, 3935 Harper street, Berkeley. Location, west Texdahl south Oregon. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,600. Architect, none. Owner, Andrew Anderson, 1096 48th avenue, Oakland. Location, north Arkansas east Peralta. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, R. C. Hillen, 439 Haight street, Alameda. Location, southeast Montana and Curran avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, Albin Leina, 2833 8th street, Berkeley. Location, north Channing Way east Curtis. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Eric Jacobson, 2755 Jones avenue, Oakland. Location, southwest Scott and Jones. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owners, Dow and Cannon. Location, Hazelwood Addition. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$1,000. Architect, none. Owner, John L. Boyd, Fresno. Location, Buena Vista Addition. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$1,800. Architect, none. Owner, J. Gabrielli, 4912 J street, Sacramento. Location, 38th and J streets. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 1½ story and base, frame, \$5,000 each. Architect, none. Owner, Benjamin Fehrmann, 224 Brighton avenue, S. F. Location, east Naples north Munich. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 3, 1 story and base, frame, \$14,000 each. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Sewell-Murdoch Co. Location, Forest Hill. Bids have been taken for the general construction of all three of these houses and a contract will be let this week.

Contracts Awarded.

PASADENA, LOS ANGELES CO., CAL.—Residence, 2 and 3 story and base. Class A construction, \$200,000. Architect, Charles Platt, New York City. Owner, Dr. Campbell. Contractor, Thomas C. Marlowe, 1017 Van Nuys Bldg., L. A. Note: The contract has been awarded on a percentage basis.

SCHOOLS

BAKERSFIELD, KERN CO., CAL.—School heating system. Cost not stated. Architect, Orville L. Clark, Brower Bldg., Bakersfield. Owners, City of Bakersfield. Bids will be opened on December 8th for the furnishing of all materials and labor necessary to install and complete a heating system known as the Hawke Ventilating Gas Radiators System, same to be installed in the present Fremont School building under construction at the present time.

FAISLEY, ORE.—School, 1 and 2 story. Class C construction, \$19,745. Architects, Taartelotte & Hummel, Rotheild Bldg., Portland. Owners, Paisley School District. Zeph Bros., Enterprise, Ore., submitted the lowest bid for the new school building, and while the contract has not been officially awarded such action will be taken.

SEWERS, STREET WORK & WATER SYSTEMS

BOULDER, MONTGOMERY CO., CAL.—Lighting system, \$10,000. Engineer, T. Phillips, Pacific Bldg., S. F. Owners, City of Merced. Plans for an ornamental street lighting system to cost \$10,000 have been officially approved and bid will shortly be called for. There will be a small one-story, reinforced concrete substation, the underground conduit system and the ornamental electroliters.

EUREKA, HUMPHOLDT CO., CAL.—Sewer system extension. Cost not stated. Engineer, City Engineer, Eureka. Owners, City of Eureka. The City Engineer has been instructed by the Eureka City Council to prepare plans and specifications for an addition to the sewer system which will relieve a congested condition certain to arise in the eastern part of the city in the next few years. Strand submitted a written report relative to the matter and was requested to proceed along the lines he advocated.

NAPA, NAPA CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor, Napa. Owners, Napa County. Bids will be opened on December 13th at 10 a. m. for the grading and construction of the road in Mt. Veeder Permanent Road Division in said county of Napa. Specifications for said work are on file in the office of the undersigned, to which bidders are hereby referred to, consisting of grading and construction of section A, section B, section C and section D. A separate bid for the grading of said sections under the direction and supervision of Mark Hein, Supervisor of Road District No. 1 of Napa County, and to be completed on or before June 1, 1917, is hereby asked for, and a separate bid for furnishing crushed rock for said sections A, B, C, and D, all of said rock to be furnished on or before October 1, 1917. A separate bid for grading and supplying said crushed rock for all of said sections, said grading to be completed and the said rock to be delivered.

SAN FRANCISCO—Street improvement, \$16,916. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The Federal Construction Co., 323 Sharon Bldg., S. F., submitted the lowest bid for the improvement of Clayton street, between Corbett Road and Caselli avenue, at \$16,946. The only other bid was submitted by the Ransome-Crummey Co. at \$18,015.40. No contract was awarded.

CHICO, BUTTE CO., CAL.—Electrolier system. Cost not stated. Engineer, City Engineer, Chico. Owners, City of Chico. The plans and specifications for the new electrolier lighting system, drawn up by City Engineer Martin Polk, have been accepted by the Board of Trustees, and the City Clerk was instructed to advertise for bids for the construction of the system. Plans with further information may be had from the City Clerk.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street improvement, \$56,316.98. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. A. P. Brady, Humboldt Bank Bldg., S. F., submitted the low bid to the City Council for the King Street District improvement. Brady's bid was \$54,316.98. Other bidders were: City

Street Improvement Co., \$59,755.92. Federal Construction Co., \$54,738.62. Bids were laid over for further consideration.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on December 14th at 12 noon for street improvements authorized under the following resolutions: That Jackson St. from 19th street to 12th street, be graded, curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt.

That a vitrified pipe sewer, having an internal diameter of 8 inches, be constructed along East 11th street, from 8th avenue to a point distant 210 feet southeasterly therefrom, measured along said center line of East 11th street; also that a brick manhole with cast iron top be constructed at the northwest end of said sewer; also that a vitrified pipe lamphole with top of brick and cast iron be constructed at the southeast end of said sewer; also that Y branches with 5-inch openings be constructed on said sewer so as to provide one such branch for each 25-foot lot and fractional lot remaining into which the abutting property frontage is capable of being divided.

DAILY CITY, SAN MATEO CO., CAL.—Street improvements. Cost as follows. Engineer, City Engineer, Daily City. Owners, Daily City. The City Trustees received the following bids for the street improvements in Vista Grande No. 2: McGilivray Construction Co., 717 Capitol National Bank Bldg., Sacramento, \$16,181.28. Ransome Crummey Co., First National Bank Bldg., Oakland, \$15,573.52.

RICHMOND, CONTRA COSTA CO., CAL.—Public convenience station. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on December 11th for the construction of a public convenience station at the intersection of Cutting and Garrard Boulevards and Richmond avenue.

VENTURA, VENTURA CO., CAL.—Street improvements. Cost not stated. Engineer, County Surveyor, Ventura. Owners, Ventura County. Sealed bids for the improvement of Division 8, Semis to Moorpark, will be received by the Board of Supervisors of the County of Ventura, up to 11:30 a. m. of the 15th day of December, 1916, at their office in Ventura. Said improvements consisting in part of grading and paving with concrete 16 feet wide, 4 inches thick, building of pipe and concrete culverts on 7.12 miles of road.

Contracts Awarded.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts for the following street improvements have been awarded by the Board of Public Works. The improvement of York street, between Precita and Peralta avenues, by the construction of concrete curbs and by the construction of a vitrified brick pavement on the roadways thereof. Awarded to J. I. McHugh, 2229 Sutter street, S. F., for \$2,535.

The improvement of Danvers street from Caselli avenue to Falcon avenue and 19th street, by the construction of artificial stone sidewalks, granite curbs, and by the construction of an

asphalt pavement consisting of a 6-inch concrete foundation with a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Flinn & Tracy, 404 First National Bank Bldg., S. F., for \$2,346.85.

The improvement of Mariposa street, from Vermont street to Rhode Island street, by the construction of a 12-inch, vitrified, salt-glazed, ironstone pipe sewer with 8 Y branches and side sewers and 5 brick manholes; and the improvement of Mariposa street between Vermont and Kansas streets, by constructing granite curbs and artificial stone sidewalks and by paving the roadway thereof with an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface, with a 14-foot central strip of basalt block pavement on a 6-inch concrete foundation and a gravel filler. Awarded to J. J. McHugh, 2229 Sutter street, for \$4,889.

TULARE, TULARE CO., CAL.—Paving, etc., \$19,800. Engineer, City Engineer, Tulare. Owners, City of Tulare. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price, \$19,800.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The following contracts for street improvements has been awarded by the Board of Public Works: The improvement of Evans avenue between Lane and Ingalls streets, by grading, construction of granite curbs, artificial stone sidewalks, brick catch basins, with cast iron frames, gratings, and traps; and 6-inch, vitrified, salt-glazed, ironstone pipe culverts; and 15-inch, vitrified, salt-glazed, ironstone pipe sewer along the center line of Jennings St. between the center and southerly lines of Evans avenue, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadways thereof. Awarded to Karl Ehrhart, 660 Market street, S. F., for \$52,592.81.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement, \$2,534.03. Engineer, City Engineer, Richmond. Owners, City of Richmond. A slight discrepancy in the form of the bid of the Fallon Construction Company was responsible for the council rejecting their low figures and awarding the improvement of Fourth street to W. J. Johnson. The Fallon bid was \$2,415, while that of Johnson was \$2,534.03.

MARYSVILLE, YUBA CO., CAL.—Road macadamizing, \$1,965. Engineer, County Surveyor, Marysville. Owners, Yuba County. Contractor, M. Blumenkrantz, Lincoln. Contract price, \$1,965.

BAKERSFIELD, KERN CO., CAL.—Street improvements. Cost as follows. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. The City Council has awarded the contract to Corfield & Davis, Bakersfield, for paving and grading 21st street, between I and L streets, they being the low bidders at \$6,379. Lloyd S. Stroud, 2225 18th street, Bakersfield, was awarded the contract for sewer work in Sewer District No. 34, he being the low bidder at \$1,556.45.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street improvements, \$54,316.98. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Contract

tor, A. P. Brady, Humboldt Bank Bldg., S. F. Contract price, \$54,316.98.

LONG BEACH, LOS ANGELES CO., CAL.—Sewer construction, \$38,650. Engineer, City Engineer, Long Beach. Owners, City of Long Beach. Contractors, Tomich & Jaeger, 553 Pacific avenue, Long Beach. Contract price, \$38,650.

UPLAND, SAN BERNARDINO CO., CAL.—Street paving, \$26,000. Engineer, City Engineer, Upland. Owners, City of Upland. Contractors, Crown Construction Co., Culver City. Contract price, \$26,000.

EVERETT, WASH.—Road construction, \$108,000. Engineer, County Surveyor, Everett. Owners, Snohomish County. Contractor, Mark Odell, Master Builders' Association, Arcade Bldg., Seattle. Contract price, \$108,000.

STORES AND OFFICES

SAN FRANCISCO—Store and loft alteration, 3 story, Class C construction, \$15,000. Architect, none. Owners, The Freeborn Estate, represented by James D. Thurman, Mills Bldg. Owners of the three-story brick and steel building at 558 Market street, S. F., will spend in the neighborhood of \$15,000 in alteration. Patrick & Co. will lease the two upper floors in addition to their present ground floor location. The first floor will be altered, new store fronts installed and changes made in elevator equipment. Upper floors will be partitioned off with hollow tile partitions and changes made in the electric wiring and plumbing. Work will start about the middle of next month.

SAN FRANCISCO—Stores, 1 story, frame, \$4,000. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. Location, south Pacific west Franklin, covering an area of 25 by 86 feet. Will contain one store. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Stores, 1 story and base, Class C construction, \$15,000. Architect, Benj. G. McDougall, Sheldon Bldg., S. F. Owner's name not given. Location, 24th and Broadway. Will contain a number of small stores. Plans complete and figures being taken.

OAKLAND, CAL.—Stores, 1 story and base, brick, \$20,000. Architects, C. W. Dickey and J. J. Donovan, Perry Bldg., Oakland. Owners, King Estate. Location, 13th street. Will cover a considerable ground area and contain several small stores. Plans are complete and figures being taken.

PALO ALTO, SANTA CLARA CO., CAL.—Stores and offices, 2 story and base, reinforced concrete. Cost not stated. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, G. M. Gardiner et al. Location, University and Bryant streets, covering an area of 160 by 120 feet. Will contain a number of stores on the first floor and offices for doctors and dentists on the upper floors. Plans complete and figures being taken.

ESCALON, SAN JOAQUIN CO., CAL.—Market, 1 story and base, brick, \$4,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Frank Boone. Will cover an area of 25 by 50 feet. Plans are being prepared.

Contracts Awarded.

SAN FRANCISCO—Office elevators, \$13,000. Architect, Kenneth Macdonald, Holbrook Bldg., S. F. Owner, John A. Hooper. Contractors, Combs Elevator

Co., 854 Howard street, S. E. Contract price, \$13,000.

SEALED PROPOSALS

PROPOSALS FOR CRANES.

CRANES—Sealed proposals indorsed "Proposals for Fitting-Out Cranes" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m., December 4, 1916, and then there publicly opened, for furnishing two fitting-out cranes at the navy yard, Mare Island, Sausalito, Cal. Specification and plans obtained on application to the bureau or to the commandant of the navy yard named. F. R. HARRIS, chief of bureau.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1104—Proposals for Centrifugal Pumps and Equipment, Watchmaker's Bench, Steel Shelving, Steel Pinions, Pipe Fittings, Screws, Rivets, Bolts, Tee Calks, Wagon Springs, Wagon Wheels, and Parts, Paint, Brushes, File Brushes, Scrub Brushes, Hose, Packing, Gaskets, Rubber Valves, Rubber Matting, Rubber Tires, Canvas, Cheesecloth, Burlap, Burlap Sheeting, Leather Belting, Belt Lacing, Marline, Sash Cord, Emery Cloth, Sandpaper, Chamois Skins, Harness, Rubber Boots, Putty Knives, Window Glass, Boiler Lugs, Pipe Tanks, Potassium Chlorate, Lye, Beeswax, Chalk Crayons, Thread, Rubber Bands, Pens, Pencils, Pencil Protectors, Transit Books, Scratch Pads and Paper—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., December 15, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1104) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. Army, general purchasing officer.

SALE OF MATERIAL.

SALE—Proposals for the Purchase of Generator Sets, Boilers, Air Compressors, Crane Snappers, Air Tanks, Boiler Feed Pumps, Switchboard Equipment, Pipe Fittings, Feed Boiler Heater and Hot Water Heater Offered for Sale by the Panama Canal—Sealed proposals will be received at the office of the assistant purchasing agent, Panama Canal, 24 State street, New York City, until 2 p. m., January 3, 1917, at which time they will be opened in public, for furnishing the above mentioned material. Blanks and general information relating to this sale may be obtained from the above office. R. E. HETHERFORD, assistant purchasing agent.

PROPOSALS FOR GATES, ETC.

GATES AND STANDS—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m., December 20, 1916, and will at that hour be opened, for furnishing cast iron gates and gate stands for the Rio Grande project, New Mexico-Texas. About 12 tons of metal work will be required. For particulars address the United States Reclamation Service, Denver, Colo., or El Paso, Tex. A. P. DAVIS, chief engineer.

PROPOSALS FOR ROILER TUBES.

BOILER TUBES—Office of the Depot Quartermaster, Fort Mason, San Francisco, Cal.—Sealed proposals will be received here until December 14, 1916, for furnishing 183 feet of boiler tubes. For further information address JOHN T. KNIGHT, colonel, quartermaster corps, depot quartermaster.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1102—Proposals for Steel, Plainished Iron, Steel Castings, Copper, Brass, Bronze, Copper Tubing, Tin, Lead, Pipe, Steel Cable, Wire, Electric Wire, Solder,

BUILDING AND ENGINEERING NEWS

Steel Pins, Pipe Fittings, Pipe Straps, Stovepipe, Chain, Track Spikes, Boat Spikes, Nails, Bolts, Nuts, Screws, Anchors, Chain Shackles, Vises, Wrenches, Reamers, Dies, Files, Cup Hooks, Crucibles, Riddles, Grindstone, Scales, Tool Handles, Saws, Water Gauges, Radio Sets, Rectifiers, Electric Fittings, Asbestos Lumber, Fibre Tubing, Rubber Rods, Insulating Cloth, Tapes, Dutchers, Blocks, Waiters, Aprons, Packer Clips, Labels, Silica Grit, Silica Sand, Silica Wash, Fire Clay, Ferro-Silicon, Lime, Carbide, Acetone, Graphite, Sal Ammoniac, Glue, Paraffine Wax, Gold Leaf, Litharge, Liquid Fluoride, Lard Oil, Japan Drier, Wood Alcohol, Lampblack, Red Lead, Varnish, Paints and White Oak—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., December 8, 1916, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1102) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. Army, general purchasing officer.

PROPOSALS FOR STONE WORK.

STONE WORK—U. S. Engineer Office, 723 Central Building, Los Angeles, Cal.—Sealed proposals for revetting with stone a levee at Yuma, Ariz., will be received here until 11 a. m., December 15, 1916, and then opened. Information on application.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 21, 1916.—SEALED PROPOSALS will be opened in this office at 3 P. M., December 22, 1916, for the construction of a coal shed at Bakersfield, California. Drawings and specifications may be obtained after November 25, 1916, from the custodian of plans at Bakersfield, California, or at this office, in the discretion of the Acting Supervising Architect JAS. A. WETMORE, Acting Supervising Architect. (*)

QUARTERMASTER SCHEDULE.

SAN FRANCISCO SCHEDULE 129—Office Depot Quartermaster, U. S. Army, San Francisco, Cal.—Sealed proposals will be received here until December 8, 1916, under schedule 129, for furnishing the following: 1,500 pounds Norway iron, 400 pounds flat iron, 150 pounds bridle leather, 24 oil stoves, 200 gallons olive-drab paint, 200 reams wrapping paper, 100 pounds sal ammoniac, 1,000 pounds soft soap, 4,000 pounds sal soda, 100 pole straps, 100 pounds insulating tape, 500 gallons varnish, 200 pounds sealing wax, 300 mess bowls, 4 switchboard ammeters, 135 float balls, 500 Puller balls, 200 feet leather belting, 1,200 feet 200 return bends, 100 solid bends, 100 vitrified bends, 98 bibbs, 144 bits, 4,000 stove bolts, 12 pharmaceutical, 12 leather brushes, 12 crates, 24 strips, 24 stripping brushes, 96 tube brushes, 25 pipe fittings, 100 crass tufting buttons, 24 carriage makers' clamps, 50 corks, 35 green candles, 100 pipe disks, 50 pipe fittings, 36 16,000 paper canes, 1 pair binoculars, 1,500 pounds glue, 50 pounds erasable, 20 lamp guards, 500 head halters, 300 feet chemical engine hose, 25 pieces fire extinguisher hose, 51 pieces of 1 indicator, 24 battery fans, 2,500 porcelain knobs, 1 polariscope, 16,500 pounds nails, 8,000 pounds oil, 100 gallons rubber oil, 1,635 gal. em. paint, 5,000 pounds dry red lead, 15 pounds white zinc (in oil), 500 pieces of 25, 50 and 75 mesh sieves, 50 sheets filter paper, 250 pieces of 20 parts cloth, 200 battery nuts, 20 parts cloth, 200 battery nuts, 144 do. 1 part filters, 2,500 stove polish bars, 6 acid receptacles, 12 stoneware, 12 crock, 2500 saws, 24 screwdrivers, 15 hydrometer syringes, 35 house thermometers, 115 pneumatic

tires, 6 blow torches, 200 ambulances traces, 120 auto inner tubes, 6 pairs two-zeros, 100 pipe fittings, 50 ammonia valves, 52 angle valves, 50 gate valves, 10 globe valves, 120 gallons varnish, 1 voltmeter, 1 volt ammeter, 2,500 bibb washers, 200 pounds floor wax, 26 Sillson wrenches, 6 bit braces, 200 gallons crude cresote, 72 carpenters' rules, 25 elbows, 62 flanges, 35 gaskets, 21 horse machine parts, 875 feet iron pipe, 2 reducers, 8 separators, 4 tees, 27 do. 10 unions, 200 feet copper wire, 7 gate valves, 1 globe valve, 12 syphon balls, 1 power blower, 100 pounds bolts, 12 inchmeters, 1 red solid brush, 12 paint brushes, 36 taps, 1 clamp, 12 cocks, 1,000 filter disks, 1,100 do. 100 eccentricities, 30 brass elbows, 48 rubber washers, 25 bell flanges, 8 rubber gaskets, 35 harness hooks, 8 hydrometers, 1 hack saw machine, 26 pounds packing, 51 tiles, 12 plane parts, 20 parts for Vulcan ice machine, 500 steel pins, 250 feet pipe, 24 door pulls, 3 steel rules, 5 saws, 2 steel scales, 2 pairs scissors, 2 cross brass screws, 141 harness snaps, 100 ball stems, 500 rubber stoppers, 70 pounds friction tape, 28 pounds insulating tape, 11 galvanized iron ties, 10 ties, 6 valves, 25 washers, 1,000 do. 8 parts for horse mowing machine, 146 parts do. 13 oil tanks, 100 pounds catches, 10 pounds steel wool, 300 desk or letter baskets, 72 inkstands, 400 dozen pyramid pine, 12 dozen rulers, 1,000 yards sealing, and 258 other spoons. For further information address JOHN T. KNIGHT, Col., Q. M. Corps, D. Q. M.

HIDS WANTED FOR GOVERNMENT SUPPLIES.

PROPOSALS for centrifugal pumps and equipment, watchmaker's bench, steel shelving, steel pinions, pipe fittings, screws, rivets, bolts, tee calks, wagon springs, wagon wheels and parts, paint brushes, file brushes, scrub brushes, hose, packing, gaskets, rubber valves, rubber matting, rubber tires, canvas, cheesecloth, hunting, burlap, sheeting, leather belting, belt lacing, marline, sash cord, emery cloth, sandpaper, chamois skins, harness, rubber boots, putty knives, window glass, boiler lacing, pipe covering, potassium chlorate, lye, beeswax, chalk, crayons, thread, rubber bands, pens, pencils, pencil protectors, transit books, scratch pads and paper.—SEALED PROPOSALS will be received at the office of the General Purchasing Officer, the Panama Canal, Washington, D. C., until 10:30 A. M., December 15, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1101) may be obtained from this office or the office of the Assistant Purchasing Agent, Fort Mason, San Francisco, Cal. (*)

CEMENT TILE FACTORY IN GUATEMALA.

The 'Australia' plantation, situated in El Tumbador, Department of San Marcos, Guatemala, has just established a factory for making cement blocks or tiles. Centro America states that these tiles, which are called locally "canefas," are square and colored, being adapted especially for use in reception halls, bath rooms, and similar places.

DRAINAGE WORK AWARDED.

MERCED, Cal.—The supervisors have awarded to the Shattuck-Edinger company, of Richmond, the contract for the construction of drainage systems for Livingston district No. 1 and Atwater district No. 2. The contract price for the Livingston district embracing 2500 acres, was \$32,000. The price for the Atwater district which included 7000 acres was \$65,000. In each district, incidental costs will increase this amount considerably.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO

STREET IMPROVEMENTS—Cost as follows. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. Contracts for the following street improvements have been awarded by the Board of Public Works: The improvement of York street, between Precita and Peralta avenues, by the construction of concrete curbs and by the construction of a vitrified brick pavement on the roadway thereof. Awarded to J. J. McHugh, 2289 Sutter street, S. F., for \$2,335.

The improvement of Danvers street, from Caselli avenue to Falcon avenue, and 18th street, by the construction of artificial stone sidewalks, granite curbs, and by the construction of an asphalt pavement consisting of a 6-inch concrete foundation with a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Plinn & Treney, 414 1st National Bank Bldg., S. F., for \$2,316.85.

The improvement of Mariposa street, from Vermont street to Rhode Island street, by the construction of a 12-inch, vitrified, salt-glazed, ironstone pipe sewer, with 8 Y branches and side sewers and 5 brick manholes, and the improvement of Mariposa street between Vermont and Kansas streets, by constructing granite curbs and artificial sidewalks and by paving the roadway thereof with an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface, with a 14-foot central strip of basalt block pavement on a 6-inch concrete foundation and a gravel filler. Awarded to J. J. McHugh, 2289 Sutter street, for \$4,889.

STREET IMPROVEMENTS—Cost as follows. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The following contract for street improvements has been awarded by the Board of Public Works: The improvement of Evans avenue, between Lane and Ingalls streets, by grading, construction of granite curbs, artificial stone sidewalks, brick catch basins, with cast iron frames, gratings and traps; and 10-inch, vitrified, salt-glazed, ironstone pipe culverts, a 15-inch, vitrified, salt-glazed, ironstone pipe sewer along the center line of Jennings street, between the center and southerly lines of Evans avenue, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to Karl Ehrhart, 660 Market street, S. F., for \$52,593.81.

APARTMENT HOUSE—3 story and base, frame. Cost not stated. San Francisco, Architect, Henry Shermund, Mills Bldg., S. F. Owner, B. F. Meyer. Location south California between 2nd and 3rd avenues, covering an area of 27 by 105 feet. Will contain six residential apartments of four rooms and bath. Basement garage. Interior fin-

ish southern gum and hardwood with enamel. Plans complete and figures being taken.

APARTMENT HOUSE—2 story and base, frame, \$36,000. San Francisco. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owners, D. H. Green and Ray Saafeld. Location, southwest Pacific and Franklin Sts. Will contain six residential apartments of four and five rooms. Plans revised and new figures being taken.

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owners, Oscar Helman & Bro., 742 Market street, S. F. Location, west 23rd avenue north Fulton. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 1 story and base, frame, \$4,000 each. San Francisco. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Co., 35 Cerritos avenue, S. F. Location, east Urbano Drive south Pico. Each house will contain eight rooms, two baths and separate garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect none. Owner, John M. Peters, 1010 Balboa street, S. F. Location, west 12th avenue south Cabrillo. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$7,500. San Francisco. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F., sold to John E. Cazes. Location, 26th avenue near Sea Cliff. Will contain eight rooms, two baths and a garage. Plans complete and work being done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, M. J. Welsh, 915 Treat avenue, S. F. Owner, Oscar Swanson 872 Clipper street, S. F. Location, west 23rd avenue north Irving. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco. Architect, Smith O'Brien, Humboldt Bank Bldg., S. F. Owner, Michael Casey. Location, Sanchez and 15th streets. Will contain ten rooms, bath and basement garage. Plans being prepared.

RESIDENCE—1 story and base, frame, \$2,750. San Francisco. Architect, E. J. Spence, 537 25th avenue, S. F. Owner, E. A. Janssen, Hearst Bldg., S. F. Location, east First avenue north Turk. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—5, 2 story and base, frame, \$2,000 each. San Francisco. Architect, none. Owner, C. S. Alred, 150 Onondaga street, S. F. Location, north-east 24th avenue and Cabrillo. Each house will contain seven rooms, bath

and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$4,000. San Francisco. Architect, A. W. Smith, Oakland. Owners, Barrett & Hlip, Sharon Bldg., S. F. Location, east Miramar south Southwood. Will contain eight rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1½ story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, Benjamin Fehnmann, 224 Brighton avenue, S. F. Location, east Naples north Munich. Each house will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—7 story and base, reinforced concrete, \$100,000. San Francisco. Architect, C. A. Meussdorffer, Humboldt Bank Bldg., S. F. Owner, A. W. Wilson. Location, north Jackson west Franklin, covering an area of 32 by 118 feet. Will contain seven residential apartments each of six rooms. Plans complete and segregated figures being taken.

APARTMENT HOUSE—3 story and base, brick, \$20,000. San Francisco. Architect, Joseph Cahen, 45 Kearny street, S. F. Owners, I. Rosenberg and Joseph Cahen. Location, southeast Sacramento and Laguna streets, covering an area of 72½ by 85 feet. Will contain fourteen suites of two, three and four rooms. Plans complete and segregated figures being taken.

STREET IMPROVEMENT—\$16,946. San Francisco, Engineer, City Engineer, City Hall, S. F. Owners, City and County of San Francisco. The Federal Construction Co., 323 Sharon Bldg., S. F., submitted the lowest bid for the improvement of Clayton street, between the Corbett Road and Caselli avenue, at \$16,946. The only other bid was submitted by the Ransome-Crummey Co., at \$18,015.40. No contract was awarded.

FIRE HOUSE—3 story and base. Class C construction, \$35,000. San Francisco. Architects, Ward & Blohm, Alaska-Commercial Bldg., S. F. Owners, City and County of San Francisco. Location, 25th and Vermont streets. Will contain general apparatus room on the ground floor and quarters for the men above. Plans are being prepared.

GARAGE—1 story and base, reinforced concrete, \$17,500. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, Gihrecke and Kuner Estate. Location, southeast Golden Gate and Gough streets, covering an area of 57½ by 155 feet. Will contain storage space and machine shop. Plans are being prepared.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, Joseph Hagen, 1710 Sacramento street, S. F. Location, north Sacramento west Polk, covering an area of 25 by 80 feet. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

STORE AND LOFT ALTERATION—3 story. Class C construction, \$15,000.

San Francisco. Architect, none. Owners, The Frechorn Estate, represented by James D. Thurman, Mills Bldg., owners of the three-story brick and steel building at 558 Market street, S. F., will spend in the neighborhood of \$15,000 in alteration. Patrick & Co. will lease the two upper floors in addition to their present ground floor location. The first floor will be altered, new store fronts in stalled and changes made in elevator equipment. Upper floors will be partitioned off with hollow tile partitions and changes made in the electric wiring and plumbing. Work will start about the middle of next month.

STORES—1 story, frame, \$4,000, San Francisco. Architect, none. Owners, McKillop Bros., 519 Cole street, S. F. Location, south Pacific west Franklin, covering an area of 25 by 86 feet. Will contain one store. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$14,000 each, San Francisco. Architects, Falch & Knoll Hearst Bldg., S. F. Owners, Newell-Murdock Co. Location, Forest Hill. Bids have been taken for the general construction of all three of these houses and a contract will be let this week.

Contracts Awarded.

OFFICE ELEVATORS—\$13,000, San Francisco. Architect, Kenneth MacDonald, Holbrook Bldg., S. F. Owner, John A. Hooper. Contracts, Combs Elevator Co., 852 Howard street, S. F. Contract price, \$13,000.

Building Contracts Awarded.

SAN FRANCISCO COUNTY.

No.	Owner	Contractor	Amt.
3429	Ferretti	Rovina	7000
3430	Richards	Kronnick	400
3431	Nimela	Nimela	500
3432	Schmelter	Natchke	1000
3433	Larson	Larson	500
3434	Guerrini	Guerrini	400
3435	Main St. Iron	McLean	1200
3436	Keenan	Keenan	\$500
3437	Ferro	De Benedetti	2500
3438	Cunco	Demartini	10000
3439	Doble	Garden	607
3440	Maggiore	Moriconi	1880
3441	Somers	Bos	39889
3442	Urban Rity	Owner	1000
3443	Same	Same	4000
3444	Same	Same	1000
3445	Same	Same	4000
3446	People's Bkg Co.	Owner	1600
3447	Meagher	Nilsson	950
3448	Gross	Peters	1000
3449	Peters	Peters	3000
3450	Hooper	Alta	610
3451	Ferretti	Rosina	7171
3452	Vrooman	Mora	491
3453	Hooper	Combs	12600
3454	Same	Wilhelm	3195
3455	Heyman	Heyman	2950
3456	Same	Same	350
3457	McKillop	McKillop	900
3458	Rehmann	Ward	9000
3459	Same	Same	600
3460	Swanson	Swanson	9750
3461	Brown	Brown	500
3462	Pickering	Pickering	900
3463	Aranson	Dreke	7779
3465	Pouchan	McMullen	1900

FRAME FLATS
(3429) E MONTGOMERY 160-5 S Union. Two-story and basement frame (4) flats.

Owner.....Mrs. G. Ferretti, 121 Alta, San Francisco.

Architect...None.
Contractor...A. Rovina Co., 673 Union, San Francisco.

COST, \$7000

REPAIRS

(3450) NC 1280 SEVENTH AVE. Repair fire damages.

Owner.....D. B. Richards, Premises
Architect...None.

Contractor...Kronnick Bros., 1659 O'Farrell, San Francisco.
COST, \$400

FRAME DWELLING
(3431) N CARRILLO 32½ W Ninth Ave. One-story and basement frame dwelling.

Owner.....J. S. Niemela, 74 Lansing, San Francisco.

Architect...None.
Day's work.....COST, \$500

FRAME DWELLING
(3432) S KEY 75 E Lane. One-story and basement frame dwelling.

Owner.....John Schmelter, 902 Florida, San Francisco.

Architect...None.
Contractor...Joe. Natchke, 1157 Key Ave., San Francisco.
COST, \$1000

ALTERATIONS
(3433) NO. 233 SECOND AVE. Alterations.

Owner.....Carl Larson, 109 Montgomery, San Francisco.

Architect...Herbert C. Chivers, 110 Russ Bldg., San Francisco.
Day's work.....COST, \$500

ALTERATIONS
(3434) NO. 279 COLUMBUS. Remove partitions.

Owner.....Guerrini & Co., Premises.
Architect...None.

Day's work.....COST, \$400

FRAME SHOP
(3435) S POLSON 50 E Beale. One-story frame shop.

Owner.....Main Street Iron Works, 163 Main, San Francisco.

Architect...None.
Contractor...Neil A. McLean Co., Inc., 525 Chronicle Bldg., S. F.
COST, \$1200

FRAME FLATS
(3436) NW ATALAYA AND FULTON Two-story and basement frame (4) flats.

Owner.....W. J. Keenan, Masonic and Fulton, San Francisco.

Architect...None.

Day's work.....COST, \$5500

ALTERATIONS
(3437) S TWENTY THIRD 25 W York W 25x8 101. All work except painting for altering stable into bakery.

Owner.....Ferro Brothers, 2822 23rd, San Francisco.

Architect...Chas. Fantoni, 916 Kearny, San Francisco.

Contractor...A. De Benedetti, 20 Colter, San Francisco.

Filed Nov. 25, '16. Dated Nov. 23, '16.

Brick walls up to bottom of 2nd floor and steel girders set.....\$715

2nd story joists set and roof replaced.....715

Completed and accepted.....715

Usual 35 days.....715

TOTAL COST, \$2860

Bond, \$1430. Sureties, G. Cavagnaro and Pio De Martini. Limit, 30 days.

Forfeit, \$5. Plans and specifications filed.

FRAME APARTMENTS
(3438) 812 MISSION AND VIRGINIA Ave S 60x8 83-6. All work except gas and electric fixtures and shades

for three-story and basement frame store and apartments.

Owner.....J. Cunco and P. Esola, 3454 Mission, San Francisco.

Architect...None.

Contractor...E. Demartini and L. Segale 274 29th, San Francisco.

Filed Nov. 25, '16. Dated Aug. 7, '16.

Frame up.....\$2500

Brown coated and enclosed.....2500

Completed and accepted.....2500

Usual 35 days.....2500

TOTAL COST, \$10,000

Bond, \$5000. Sureties, L. Bacigalupi and P. Segale. Limit, none. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS
(3439) NO. 190 SEA CLIFF AVE. All work for further alterations and additions, building new bath room with its accessories (except painting) for residence.

Owner.....Mary E. Doble, Premises.
Architect...Leo J. Devlin, Pacific Bldg., San Francisco.

Contractor...Frank M. Garden, 251 Kearny, San Francisco.

Filed Nov. 25, '16. Dated Nov. 24, '16.

Commencing December 1, 1916, on 1st and 15th as work progresses 75%

Usual 35 days.....\$166.75

TOTAL COST, \$667.00

Bond, \$335. Surety, Hartford Accident & Indemnity Co. Limit, time specified in Contract of October 27. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(3440) W CASTRO 270 N 19th. All work except lighting fixtures and plumbing for alterations and additions to two-story frame flats.

Owner.....P. Maggiora, 456 Castro, San Francisco.

Architect...P. Righetti, Phelan Bldg., San Francisco.

Contractor...G. Moriconi, 2123 Polk, S. F.

Filed Nov. 27, '16. Dated Oct. 31, '16.

Steel work set in place.....\$470

Cement floor laid.....470

Completed and accepted.....470

Usual 35 days.....470

TOTAL COST, \$1880

Bond, \$940. Sureties, F. Berti and R. Petri. Limit, 45 days. Forfeit, none.

Plans and specifications filed.

CONCRETE BUILDING
(3441) E VAN NESS AVE 72 S California E 145-3 S 63-6 E 25 N 137-6 W 170-3 S 72. Excavating, concrete work and backfilling for two-story and basement reinforced concrete building.

Owner.....George B. Somers 2662 Valjejo, San Francisco.

Architect...Clarence A. Tantau, 519 California, San Francisco.

Contractor...George A. Bos, Hearst Bldg., San Francisco.

Filed Nov. 27, '16. Dated Nov. 27, '16.

On 1st of each month as work progresses.....75%

Usual 35 days.....25%

TOTAL COST, \$39,889

Bond, \$19,944. Surety, Massachusetts Bonding & Insurance Co. Limit, none.

Forfeit, not less than \$10 or more than \$20 per days. Plans and specifications filed.

FRAME RESIDENCE
(3442) E URBANO DRIVE 100 S Pico Ave. One-story and basement frame residence.

Owner.....Urban Realty Improvement
Co., 55 Citritos Ave., S. F.
Architect...None.
Day's work..... COST, \$4000

FRAME RESIDENCE

(3444) E URBANO DRIVE 450 S Pico
Ave. One-story and basement frame
residence.
Owner.....Urban Realty Improvement
Co., 55 Citritos Ave., S. F.
Architect...None.
Day's work..... COST, \$4000

(3443) E URBANO DRIVE 400 S Pico
Ave. One-story and basement frame
residence.

Owner.....Urban Realty Improvement
Co., 55 Citritos Ave., S. F.
Architect...None.
Day's work..... COST, \$4000

FRAME RESIDENCE

(3445) E URBANO DRIVE 350 S Pico
Ave. One-story and basement frame
residence.
Owner.....Urban Realty Improvement
Co., 55 Citritos Ave., S. F.
Architect...None.
Day's work..... COST, \$4000

FRAME RESIDENCE

FRAME SHOP
(3446) SW BRYANT AND 17TH One-
story frame repair shop.
Owner.....People's Baking Co., Bry-
ant and 17th, S. F.
Architect...None.
Day's work..... COST, \$1600

ALTERATIONS

(3447) NO. 326 VALLEY. Alter and
add to dwelling.
Owner.....Jos. Meagher Premises.
Architect...None.
Contractor...N. F. Nilsson, 355 Cole-
ridge, San Francisco.
COST, \$950

ALTERATIONS

(3448) W EIGHTH 208 S Bryant. Put
stable in sanitary condition.
Owner.....Felix Gross, 9th near Bry-
ant, San Francisco.
Architect...J. C. Flogger, 3703 Geary,
San Francisco.
Day's work..... COST \$1000

FRAME RESIDENCE

(3449) W TWELFTH AVE 175 S Ca-
brillo. Two-story and basement
frame residence.
Owner.....John M. Peters, 1010 Bal-
boa, San Francisco.
Architect...None.
Day's work..... COST, \$3000

ROOFING

(3450) W BATTERY 15-10 N Pine N
110-2xW 137-6. All work for roofing
for building.
Owner.....John A. Hooper by Ken-
neth MacDonald Jr.
Architect...Kenneth MacDonald, Jr.,
Holbrook Bldg., S. F.
Contractor...Alta Roofing Co., 3048 16th,
San Francisco.
Filed Nov. 28, '16. Dated Nov. 27, '16.
Payments not given.....
TOTAL COST, \$640
Bond, limit, forfeit, plans and speci-
fications, none.

FRAME APARTMENTS

(3451) E MONTGOMERY 160-5 S
Union 45-10x91-8. All work for two-
story and basement frame apart-
ments.

Owner.....Mrs. Asunta Ferretti, 124
Alta, San Francisco.

Architect...None.
Contractor...C. Rosina & Co., 673 Union
San Francisco.
Filed Nov. 28, '16. Dated Nov. 11, '16.
Roof on\$1868
1st coat plaster on..... 1868
Completed and accepted..... 1868
Usual 35 days..... 1870
TOTAL COST, \$7474

Bond, \$3737. Sureties, Louis Fignoni
and Marina C. Bricca. Limit, 100 days.
Forfeit, none. Plans and specifications
filed.

NOTE—1st report Nov. 27th No. 3429

HEATING APPARATUS

(3452) ON GOUGH, bet. Sacramento
and Clay. Steam heating apparatus
and oil burning plant and tank for
residence.
Owner.....Miss Beatrice Vrooman.
Architect...None.
Contractor...J. E. O'Mara, 449 Minna,
San Francisco.
Filed Nov. 29, '16. Dated Nov. 24, '16.
Roughing in completed and oil
tank & piping run to boiler room.....\$250
Completed and accepted..... 268
Usual 35 days..... 173
TOTAL COST, \$691.50

Bond, none. Limit, as fast as re-
quired. Forfeit, none. Specifications
only filed.

ELEVATOR WORK

(3453) W BATTERY bet. Pine and
California 45-10 N Pine W 140-6 S
140-3 E 137-6. All work for elevator
work for six-story reinforced con-
crete store and lofts.
Owner.....John A. Hooper by Ken-
neth MacDonald Jr., Hol-
brook Bldg., S. F.
Architect...MacDonald & MacDonald,
Holbrook Bldg., S. F.
Contractor...Combs Elevator Co.
Filed Nov. 29, '16. Dated Nov. 28, '16.
Payments as work progresses of 75%
Usual 35 days..... 25%
TOTAL COST, \$13,600
Bond, limit, forfeit, plans and speci-
fications, none.

FRAME DWELLINGS

(3454) SE PERRY 300 SW Fifth SW
25xSE 80. All work for two three-
room and bath and 2 two-room and
bath frame buildings.
Owner.....Helen C. Dixon, 915 Fulton,
San Francisco.
Architect...None.
Contractor...A. H. Wilhelm, 180 Jessie,
San Francisco.

Filed Nov. 29, '16. Dated Nov. 28, '16.
Frames erected\$873.75
1st coat mortar on..... 873.75
Completed and accepted..... 873.75
Usual 35 days..... 873.75
TOTAL COST, \$3495.00

Bond, none. Limit, 60 days after Dec.
1. Forfeit, none. Plans and specifica-
tions filed.

FRAME DWELLING

(3455) W TWENTY-THIRD AVE 125
N Fulton. Two-story frame dwelling
Owner.....Oscar Heyman & Bro., 742
Market, San Francisco.
Architect...None.
Day's work..... COST, \$2950

FRAME DWELLING

(3456) W TWENTY-THIRD AVE 160
N Fulton. Two-story frame dwelling
Owner.....Oscar Heyman & Bro., 742
Market, San Francisco.

Architect...None.
Day's work..... COST, \$2950

FRAME MARKET

(3457) S PACIFIC AVE 117-6 W
Franklin. One-story frame market.
Owner.....McKillop Bros., 540 Cole,
San Francisco.
Architect...None.
Day's work..... Cost, \$4000

FRAME DWELLING

(3458) E CURTIS 100 N Morse. One
and one-half-story and basement
frame dwelling.
Owner.....Benjamin Fehnmenn, 244
Brighton Ave., S. F.
Architect...None.
Day's work..... COST, \$2000

FRAME DWELLING

(3459) E NAPLES 25 N Munich. One
and one-half-story and basement
frame dwelling.
Owner.....Benjamin Fehnmenn, 244
Brighton Ave., S. F.
Architect...None.
Day's work..... COST, \$2000

FRAME DWELLING

(3460) W THIRTY-THIRD AVE 25 N
Irving. Two-story and basement
frame dwelling.
Owner.....Oscar Swanson, 572 Clipper
San Francisco.
Architect...M. J. Welsh, 915 Treat
Ave., San Francisco.
Day's work..... COST, \$2750

FRAME GARAGE

(3461) NO. 1 TWENTY-FIFTH AVE.
One-story frame garage.
Owner.....Helen H. Brown, Premises.
Architect...None.
Day's work..... COST, \$500

FRAME FLATS

(3462) N SACRAMENTO 100 W Polk.
Two-story and basement frame (2)
flats.
Owner.....Joseph Hagan, 1710 Sacra-
mento, San Francisco.
Architect...None.
Day's work..... COST, \$1000

CONCRETE GARAGE

(3463) W GOUGH 195 N Clay. One-
story concrete private garage.
Owner.....Mrs. R. Pickering, 1903
Clay, San Francisco.
Architect...None.
Day's work..... COST, \$900

STORE BUILDING

(3464) N MISSION 225 W Fourth 50x
90. Brick work, cementing fire walls
terra cotta inlays, tile, cast cement,
etc., to complete brick work for
Class "C" store building.
Owner.....A. Aronson, 160 Sutter,
San Francisco.
Architect...M. I. Schwartz, Nevada
Bank Bldg., S. F.
Contractor...H. E. Drake, 1333 Lincoln
Way, San Francisco.
Filed Dec. 1, '16. Dated Nov. 29, '16.
2nd floor joists in place.....\$894
Ceiling joists in place..... 894
Completed 894
Usual 35 days..... 897
TOTAL COST, \$3579

Bond, \$1800. Surety, The Aetna Acci-
dent & Liability Co. Limit, 25 days
after commencement. Forfeit, none.
Plans and specifications, none.

ALTERATIONS

(2465) SE OAK AND SCOTT Alterations to three-story frame dwelling. Owner.....Germain Pouchan, 987 Oak, San Francisco.

Architect...Oliver Everett, 1940 Webster, San Francisco.

Contractor...C. E. McMullen, 1230 12th Ave., San Francisco.

Filed Dec. 1, '16. Dated Nov. 29, '16.

White coated.....\$950

Completed and accepted.....475

Usual 35 days.....475

TOTAL COST, \$1900

Bond, \$950. Surety, J. H. McCallum. Limit, 50 days. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS TOTALS FOR NOVEMBER SHOW GAINS.

Five hundred and nineteen building permits representing an approximate expenditure of \$1,968,182 were issued during the month of November by Chief Inspector of Buildings John P. Morgan.

Included in this amount is the one million office building, now under construction, for the Southern Pacific Company at Stuart and Market streets.

Despite the small amount of work undertaken by the Municipality and the State Harbor Board together with the advanced prices of building materials, the figures this year show an increase over those for the same period last year, which were \$1,332,653 for 199 permits.

Plans for several factory, commercial and residence structures are now being checked by the Department and permits for erection will be issued as soon as they are found to be in accordance with the City Building Laws.

The following is the complete record of building operations, as issued by the Department for the past month:

Class	No. of Bldgs.	Cost
"A"	2	\$1,200,000
"B"	—	65,000
"C"	7	50,250
Frames	138	597,156
Alterations	368	113,072
Public Bldgs.	1	8,946
Harbor Consums.	1	3,758
Total	519	\$1,968,182

LEASES.

SAN FRANCISCO COUNTY.

Nov. 23, 1916—NW EIGHTH AND Brannan Nos. 900, 908 and 910 Brannan, Moses Ellis Tr Moses Ellis Real Estate Trust to F J Mailey. 5 years. \$10,500.

Nov. 27, 1916—NW FIFTH AVE and Cornwall (Deeth) W 100 N 3 m or 1 E 100 m or 1 S 12-8-4. Wm M De Wolf to Edward F Helms. 6 years.

Nov. 24, 1916—SE FRONT and CLARK S 60 E 85 S 60 E 29 N 120 W 114. Francis, Caroline and Lucia Korbel, Helena Dvorak and Anton B. Korbel to Colombo Market Imp. Co. 5 years. \$14,250.

Nov. 25, 1916—NO. 1530 HAIGHT. Ernest Nevrnaumt to A Bezakis. 5 years. \$4500.

Nov. 28, 1916—N HAIGHT 137-6 E Steiner E 25x100. Augusta F Tuttle to Philip F Sherman. 3 years. \$3600

Nov. 29, 1916—E COLE 88-5 S 3rd S 25

SE 50. Margaret J Morflew to W H Yates 5 years. \$7500.

AGREEMENT.

The following agreement was filed November 28, 1916, between Augusta F Tuttle, owner with Philip F Sherman, contractor to put in Oregon pine joists and lay whole floor in store at No. 551 Haight street, for the sum of \$290; paid in installments of \$10 per month. To be completed by January 1, 1917.

BUILDER'S BOND.

Dec. 1, 1916—BATTERY, bet Pine and California. John A Hooper, owner; Edward E Combs (as Combs Elce Co), Contractor; Surety, Globe Indemnity Co. Bond, \$6800.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED

Nov. 25, 1916—W SAN JOSE AVE 223-3 S 24th S 27xW 175. John D Stelling to Charles W Johnson.....Aug. 31, 1916

Nov. 25, 1916 E TWENTY-FIFTH AVE 25 S Anza 25x82-6 Charles Johnson and Hilding Anderson to Chas Johnson.....Nov. 25, 1916

Nov. 25, 1916—E FIFTEENTH AVE 73-8 S Geary S 25x100. Daniel L Borel to P Algot Nelson. Nov. 23, 1916

Nov. 25, 1916—W NINTH AVE 206 N Cabrillo N 25x120. Alfred T Morris to whom it may concern.....Nov. 14, 1916

Nov. 25, 1916 N JACKSON 192-6 E Cherry E 40 N 126-5-8 W 40 m or 1 S 122 m or 1. Harry T Blackwood to Mae Gruer & Co. Nov. 22, '16

Nov. 25, 1916—E TWENTY-SECOND AVE 175 S Clement S 75x120. N J Nelson to whom it may concern.....Nov. 9, 1916

Nov. 27, 1916—NO. 1530 McALLISTER W line bet. Scott and Divisadero. T I O'Brien to The Turner Co.....Nov. 21, 1916

Nov. 27, 1916 NE MEDA AVE 175 NW Otsego Ave NW 50x70; Lots 21 and 22 Duess Shiden Ptn Lois 5, 6, 11 and 12 Blk 26 West End Map No. 1. Jas A Arnott to Jas Arnott & Son.....Nov. 24, 1916

Nov. 27, 1916—SW CALIFORNIA AND Davis W 87-6xS 137-6. California Street Realty Co to J H Hjul.....Nov. 22, 1916

Nov. 27, 1916 N VALLEJO 55 W Baker W 55xN 137-6. Mary A or Mrs J J Baumgartner to H Maundrell.....Nov. 24, 1916

Nov. 25, 1916—E MUNICH 300 NE Brazil Ave; No. 226 Munich. A V Grunigen and M V (wf) to J Miller.....Oct. 23, 1916

Nov. 25, 1916—LOT 8 BLK 1 Crocker Amazon Tract. Primo Degli Esposito to D Houle.....Nov. —, 1916

Nov. 28, 1916—SW CURTIS, bet Morse and Rolf; Lot 11 Blk 4 Crocker Amazon Tract. Albin M Samuelson to Henning Olson.....Nov. 20, 1916

Nov. 28, 1916—E DIVISADERO 141 N Vallejo. Edna Fay Dill to J Koschnitzke.....Nov. 27, 1916

Nov. 28, 1916—E TWENTY-FIRST AVE 75 S Anza S 25x120-6. Martin and Hans Nelson to whom it may concern.....Nov. 25, 1916

Nov. 29, 1916 E TWENTIETH AVE 50 N Judah N 25x120. Fred Kirch-

ner to Cunco Bros Nov. 27, 1916

Nov. 28, 1916 SE MISSION AND Sixteenth S 95x120. John H Burns to Charles Coburn.....Nov. 28, 1916

Nov. 29, 1916—E TWENTY-THIRD AVE 50 N Clement N 25x120-6. M Matanovich to G Trevia and G B Pasqualetti.....Nov. 28, 1916

Nov. 27, 1916—S LOMBARD; Nos 1429 and 1441 Lombard. C Favilla to F J Hansen and M Gaddini.....Nov. 24, 1916

Nov. 29, 1916—E EIGHTH AVE 125 S Lincoln Way 25x120. D L Clancy to whom it may concern.....Nov. 29, 1916

Nov. 29, 1916—W CURTIS 175-0 N Morse 25x107. O F Graf to Louis J Robert.....Nov. 28, 1916

Dec. 1, 1916—NO. 340 STOCKTON. Kenneth Macdonald Jr to Scott Co.....Nov. 29, 1916

Dec. 1, 1916—NE NORTH POINT & Larkin W 412-6xN 275. D Ghlrardelli Co to Otto Kuitz. Nov. 29; H L Petersen.....Nov. 29, 1916

Dec. 1, 1916—PACIFIC AND LYON P C Moore to J Harold Johnson.....Nov. 23, 1916

Dec. 1, 1916—SE O'FARRELL AND Hyde E 70x8 77-6. Gerard Inyest Co to Matt V Brady.....Dec. 1, 1916

Dec. 1, 1916—E EIGHTEENTH AVE 262-11 N Clement N 25x120. Otto Alvin Schoning to Thomas McCormick.....Dec. 1, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED

Nov. 25, 1916—N CLEMENT 55 W 15th Ave W 25xN 104-3. Builders Supply Depot vs A Melander.....\$45.75

Nov. 25, 1916—S GEARY 92-6 W Powell W 45x8 137-6. Wm F Wilson Co vs N L Josey and Regan Est Co.....\$1856.91

Nov. 27, 1916—W SEVENTEENTH AVE 121-1 S California S 25xW 120. A D Cooke vs William Larsen and Mahel Freeman.....\$16.50

Nov. 28, 1916—W SEVENTEENTH AVE 25 N California N 75xW 75. James Cantley vs F J Rogers, The Realty Inyest Co, Albert A Russell, D S Clinton and F Stephens.....\$109

Nov. 25, 1916—E CHURCH 227 N 24th N 33 E 125 S 32 W 25 S 1 W 100. H L Petersen vs Vicenza Sturla and Chas Paff.....\$27.70

Nov. 25, 1916 W SEVENTEENTH AVE 146 S California S 25xW 120. J H Appelbaum vs William Larson, Geo S Wall and J H Morris.....\$145

Nov. 29, 1916—SW EIGHTEENTH & Vermont W 100x8 25. John Christian vs Peter J Jarish.....\$84

Nov. 29, 1916—E STOCKTON 50 S Sutter S 40x120. W P Fuller & Co vs Williams Bros & Henderson and C H Crocker.....\$753

Dec. 1, 1916 NW EDDY & PIERCE W 30xN 75. John H Metz vs Virginia Lavizl.....\$3765.95

OAKLAND AND ALAMEDA COUNTY

APARTMENT HOUSE ADDITION 2 story and base, frame, \$2,000. Berkeley, Alameda Co, Cal. Architect, none owner, Mrs. L. C. Ramsdell. Location, 66 Panoramic Way. Work will consist of adding kitchens and baths. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$3,000. Berkeley, Alameda Co., Cal. Architects, Wood & Simpson, 110 Sutter street, S. F. Owner, F. E. Peake. Location, 770 Spruce street. Will contain four rooms, bath and sleeping porch. Separate garage. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$4,000. Piedmont, Alameda Co., Cal. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner's name withheld. Location, Piedmont. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

RESIDENCE—2 story and base, frame, \$5,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. B. Spiller, 815 Oxford street, Berkeley. Location, east Mendocino south Indian Rock. Will contain nine rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, E. S. Cortage, 133 Folger avenue, Berkeley. Location, north Alhambra street west Shattuck. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, Herbert F. Kern, 328 San Benito Road, Berkeley. Location, north Los Angeles near Mariposa. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1½ story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, Paul C. Woodburn, 3963 Greenwood avenue, Oakland. Location, east Vista north Wellington. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, J. Muldoon, 2147 Blake street, Oakland. Location, south Alhambra west Gaskill. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect, none. Owner, C. W. Glantz, 1922 88th avenue, Oakland. Location, east Harriet street north Carlton. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, I. Hylander, 1214 East 14th street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, Ole Kolen, 2127 Brice street, Oakland. Location, west Hanson avenue south Santa Rita. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, C. Teddahl, 3035 Harper street, Berkeley. Location, west Texdahl south Oregon. Will contain five rooms, bath and sleeping porch. Plans complete and

work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,600. Oakland, Cal. Architect, none. Owner, Andrew Anderson, 1096 18th avenue, Oakland. Location, north Arkansas east Peralta. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, R. C. Hillen, 420 Haight street, Alameda. Location, southeast Montana and Curran avenues. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, Albin Lina, 2323 8th street, Berkeley. Location, north Channing Way east Curtiss. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, none. Owner, Eric Jacobson, 2753 Jones avenue, Oakland. Location, southwest Scott and Jones. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—2 story and base, frame, \$12,000. Oakland, Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, R. H. Bradshaw. Location, 60th and Telegraph avenues. Will contain stores on the first floor and six three-room apartments above. Plans complete and segregated figures being taken.

BRIDGES, FENDER PILES, ETC.—Cost not stated. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County. Bids will be opened on December 18th at 10 a. m. for the construction of fender piles at the Webster street bridge across the estuary between the cities of Oakland and Alameda.

GARAGE—1 story and base, Class C construction, \$10,000. Berkeley, Alameda Co., Cal. Architect, A. W. Smith, 1010 Broadway, Oakland. Owner, Mr. Dana. Location, Blake and Telegraph avenues. Designed for a commercial garage and will contain machine shop besides the office and storage space. Plans complete and figures being taken.

FACTORY—1 story, brick, \$7,000. Oakland, Cal. Architect, A. W. Smith, 1010 Broadway, Oakland. Owners, Rex Switch Board Co. Location, 28th and Telegraph avenues. Will cover an area of 50 by 120 feet and contain offices besides the factory. Plans complete and figures being taken.

APARTMENT HOUSE—2 story and base, frame, \$10,000. Oakland, Cal. Architect, none. Owner, H. S. Pratt, 1115 Glendora avenue, Oakland. Location, west 39th and Market streets. Will contain sixteen rooms arranged in two and three room apartments. Plans complete and work to be done by Day Labor.

STORES—1 story and base, Class C construction, \$15,000. Oakland, Cal. Architect, Benj. G. McElbough, Sheldon Bldg., S. F. Owner's name not given. Location, 24th and Broadway. Will contain a number of small stores. Plans complete and figures being taken.

STORES—1 story and base, brick, \$20,000. Oakland, Cal. Architects, C. W. Dickey and J. J. Donovan, Perry Bldg., Oakland. Owners, King Estate. Location, 12th street. Will cover a

considerable ground area and contain several small stores. Plans are complete and figures being taken.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Bids will be opened on December 14th at 12 noon for street improvements authorized under the following resolutions: That Jackson St., from 10th street to 12th street, be graded, curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt.

That a vitrified pipe sewer, having an internal diameter of 8 inches, be constructed along East 11th street, from 8th avenue to a point distant 210 feet southeasterly therefrom, measured along said center line of East 11th street. Also that a brick manhole with cast iron top be constructed at the northwest end of said sewer. Also that a vitrified pipe lamphole with top of brick and cast iron be constructed at the southeast end of said sewer. Also that Y branches with 5-inch openings be constructed on said sewer so as to provide one such branch for each 25-foot lot and fractional lot remaining into which the abutting property frontage is capable of being divided.

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Am't.
2762	Turner	Turner	400
2763	Theiss	Coranson	2500
2764	Carlston	Larson	2000
2765	Jacobson	Jacobson	1800
2769	Brown	Shrader	900
2770	Kelsey	Waldie	450
2771	Cohn	Coward	7000
2772	Security Bk.	Jackson	400
2773	Pratt	Pratt	7000
2774	Duboise	Nichols	400
2775	Levy	Levy	400
2776	Trinity Ch.	Knight	400
2777	Fruit & Prod.	Christensen	3050
2778	Welrick	Pearson	6739
2779	Skandia Oil	Wold	5000
2780	Kolen	Kolen	2000
2781	Glantz	Glantz	1500
2782	Cortage	Cortage	2000
2783	Werum	Brown	2400
2784	Woodburn	Woodburn	2500
2785	Caswell	Broadhead	2500
2786	Muldoon	Muldoon	1400
2787	Nylander	Nylander	2400
2788	Olys	Pfanz	2500
2789	Crystal Ldy.	Connor	1555
2796	Same	Franks	880
2797	Same	Thomsen	3020
2798	Piedmont Ch.	Peterson	31223
2799	Peck	Urch	4575
2801	Kroll	Carlson	500
2802	Pereira	Pereira	400
2803	McElroy	Malley	20000
2804	Shannon	Chapin	400
2805	Anderson	Anderson	1500
2806	Hillen	Hillen	2000

GARAGE

(2762) N FORTIETH 88 W Piedmont Ave., Oakland. Garage. Owner, Mrs. E. L. Turner, 255 Ridgeway, Oakland. Architect, None. Day's work. COST, \$400

DWELLING

(2763) W BROADWAY 317 S Ada. Oakland. One-story 5-room dwelling. Owner, A. L. Theiss, 1107 Magnolia Oakland. Architect, None. Contractor, H. Coranson, 3154 Laguna, San Francisco. COST, \$2500

DWELLING

(2764) W SIXTY-FOURTH AVE 60 S Hayes, Oakland. One-story 5-room dwelling.

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're **loafing**.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not **FOUR WHEEL DRIVE.**

On the F-W-D Truck every wheel is a **Driving Wheel.** The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps **ON** the road and **OUT** of the repair shop.

The F-W-D saves **20 to 25 per cent** of gasoline and oil money. It reduces first cost of tires **one-third.** It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

"Every Owner a Booster"

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

Owner.....J. A. Carlston, 31 Rivoli,
San Francisco.
Architect.....None.
Contractor.....Carlston & Larson, 31
Rivoli, San Francisco.
COST, \$2000

DWELLING

(2765) SW SCOTT AND JONES AVE.,
Oakland. One-story 5-room dwelling
Owner.....Eric Jacobson, 2785 Jones
Ave., Oakland.
Architect.....None.
Day's work.....COST, \$1800

ALTERATIONS

(2769) NO. 729 WASHINGTON, Oak-
land. Alterations.
Owner.....Mrs. E. M. Brown 641
O'Farrell San Francisco.
Architect.....None.
Contractor.....J. P. Shrader, 520 16th,
Oakland.
COST, \$900

BRICK OVEN

(2770) NO. 5339 GROVE, Oakland.
Brick oven.
Owner.....H. Kelsey, Premises.
Architect.....None.
Contractor.....R. Waldie, 1911 Cedar,
Berkeley.
COST, \$150

DWELLING

(2771) N ASHMONT 1000 W Mandana
Blvd., Oakland. Two-story 10-room
dwelling.
Owner.....Julius Cohn, 662 Mandana
Blvd., Oakland.
Architect.....None.
Contractor.....Joseph Coward, 6081 Clare-
mont Ave., Oakland.
COST, \$7000

SIDEWALK LIGHTS

(2772) NE ELEVENTH AND BROAD-
way, Oakland. Sidewalk lights.
Owner.....Security Bank, Premises.
Architect.....None.
Contractor.....P. H. Jackson & Co., 237
First, San Francisco.
COST, \$100

APARTMENTS

(2773) NW THIRTY-NINTH & MAR-
ket, Oakland. Two-story 16-room
apartments.
Owner.....H. S. Pratt, 1015 Glendora
Ave., Oakland.
Architect.....None.
Day's work.....COST, \$7000

ADDITIONS

(2774) N THIRTY-SECOND 100 W
Adeline, Oakland. Addition.
Owner.....Benj. Duboise, 3201 Ade-
line, Oakland.
Architect.....None.
Contractor.....Leo L. Nichols, 1424 Broad-
way, Oakland.
COST, \$400

ALTERATIONS

(2775) NO. 1127 BROADWAY, Oakland
Alterations.
Owner.....Levy Estate, 1125 Broad-
way, Oakland.
Architect.....None.
Day's work.....COST, \$400

ALTERATIONS

(2776) S TWENTY-NINTH 250 W Tele-
graph Ave., Oakland. Alterations.
Owner.....Trinity Church.
Architect.....None.
Contractor.....Harry C. Knight, 1601

Telegraph Ave., Oakland.
COST, \$400

STORE BUILDING

(2777) E FRANKLIN, bet. Third and
Fourth, Oakland. All work for one-
story and mezzanine reinforced con-
crete store building.
Owner.....The Fruit & Produce
Really Co.
Architect.....Chas. W. McCall, Central
Bank Bldg., Oakland.
Contractor.....J. P. and C. Christensen,
237 Wayne Ave., Oakland.
Filed Nov. 27, '16. Dated Nov. 25, '16.
Roofing completed.....50%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, \$8050

Bond \$1525. Sureties, H. J. Quinn and
Wm. Makin. Limit, 30 days. Forfeit,
none. Bonus, \$250. Plans and speci-
fications filed.

FRAME DWELLING

(2778) LOT 40 BLK 4 Oak Ridge, Clare-
mont and E 9th Lot 10 adjoining. —
All work for two-story and basement
frame dwelling.
Owner.....H. W. Weirick, 2625 Ridge
Road, Berkeley.
Architect.....Wm. C. Hays, 1st National
Bank Bldg., S. F.
Contractor.....Ben Pearson, 2403 Grant,
Berkeley.

Filed Nov. 28, '16. Dated Nov. 28, '16.
Frame up.....1/4
Plastered.....1/4
Completed and accepted.....1/4
Usual 35 days.....1/4
TOTAL COST, \$8750
Bond, none. Limit, 120 days. Forfeit,
\$5. Plans and specifications filed.

MACHINE SHOP

(2779) SW GLASCOCK & PETERSON,
Oakland. One-story machine shop.
Owner.....Skandia Pacific Oil Engine
Co., Sheldon Bldg., S. F.
Architect.....None.
Contractor.....C. L. Wold Co., 75 Sutter,
San Francisco.
COST, \$5000

DWELLING

(2780) W RANSOME AVE 110 S Santa
Rita, Oakland. One-story 5-room
dwelling.
Owner.....Ole Kolen, 3127 Bruce, Okd.
Architect.....None.
Day's work.....COST, \$2000

DWELLING

(2781) E HARRIET 257 N Carlton,
Oakland. One-story 5-room dwelling
Owner.....C. W. Glantz, 1922 88th
Ave., Oakland.
Architect.....None.
Day's work.....COST, \$1600

DWELLING

(2782) N AILEEN 125 W Shattuck
Ave., Oakland. One-story 5-room
dwelling.
Owner.....E. S. Cortage, 733 Folger
Ave., Berkeley.
Architect.....None.
Day's work.....COST, \$2000

DWELLING

(2783) W THIRTY-FIFTH AVE 120
N Alexander Court, Oakland. One-
story 5-room dwelling.
Owner.....A. M. Werum, 2232 34th
Ave., Oakland.
Architect.....None.
Contractor.....W. C. Brown, 1624 64th
Ave., Oakland.

DWELLING

(2784) E VISTA 260 N Wellington,
Oakland. One and one-half-story 6-
room dwelling.
Owner.....Paul C. Woodburn, 3965
Greenwood Ave., Oakland.
Architect.....None.
Day's work.....COST, \$2500

DWELLING

(2785) LOT 4 BLK "E" Lakewood
Single, Piedmont. One-story 5-room
shingle and plaster dwelling and
garage.
Owner.....Wm. Caswell.
Architect.....None.
Contractor.....Broadhead & Wishart, 864
57th and 860 57th, Okd.
COST, \$2500

DWELLING

(2786) S AILEEN 65 W Gaskill, Oak-
land. One-story 5-room dwelling.
Owner.....J. Muldoon, 2417 Blake,
Oakland.
Architect.....None.
Day's work.....COST, \$1400

DWELLING

(2787) W DIVISION 370 N E-28th,
Oakland. One-story 6-room dwelling
Owner.....L. Nylander, 1314 E-14th,
Oakland.
Architect.....None.
Day's work.....COST, \$2400

DWELLING

(2788) S SOLANO 100 W Inyo, Albany.
One-story 6-room dwelling.
Owner.....T. A. Olys, Inyo & Solano,
Albany.
Architect.....None.
Contractor.....C. J. Pfirang, 5487 Clare-
mont Ave., Oakland.
COST, \$2500

DWELLING

(2789) S SOLANO 50 W Inyo, Albany.
One-story 6-room dwelling.
Owner.....G. W. Kemp, Inyo & Solano,
Albany.
Architect.....None.
Contractor.....C. J. Pfirang, 5487 Clare-
mont Ave., Oakland.
COST, \$2500

ADDITION

(2790) W CHESTNUT 130 S 24th, Oak-
land. Carpenter work and mill work
for two-story brick addition to laun-
dry.
Owner.....Crystal Laundry Co., 2307
Chestnut, Oakland.
Architect.....James W. Plachek, Ache-
son Bldg., Berkeley.
Contractor.....Connor & Connor, Bkly.
Filed Nov. 29, '16. Dated Nov. 28, '16.
2nd floor joists completed.....\$300
Roof completed.....600
Completed and accepted.....266
Usual 35 days.....369
TOTAL COST, \$1555
Bond, limit, forfeit, plans and speci-
fications, none.

(2791) FOUNDATION, WALLS, PIERS,
cement gutters and cement floors on
above.

Contractor.....H. E. Franks.
Filed Nov. 29, '16. Dated Nov. 28, '16.
Foundations completed.....\$300
Completed and accepted.....360
Usual 35 days.....290
TOTAL COST, \$880
Bond, limit, forfeit, plans and speci-
fications, none.

(2797) BRICK WORK ON ABOVE.
Contractor, John Thomsen, Berkeley.
Filed Nov. 29, '16. Dated ———
Brick work up to 2d floor joists. \$1000
Completed and accepted. 1000
Usual 35 days. 1020
TOTAL COST, \$3020
Bond, limit, forfeit, plans and specifications, none.

CHURCH, ETC.

(2798) NE HIGHLAND AVE and right of way of S. F. O. T. Railway NW 44.01 NE 438.38 SE 57.87 SW 148.18 on arc 188.2 NW 364.06, Piedmont.
All work except heating, shades, garden work and electric fixtures for Sunday School and church.
Owner. Piedmont Church.
Architect. Albert Farr, 68 Post, S. F.
Contractor. Alfred Peterson, 1201 19th Oakland.
Filed Nov. 29, '16. Dated Nov. 28, '16.
15th and last day of each month 75%
Usual 35 days. 25%
TOTAL COST, \$34,223
Bond, \$17,111.50. Surety, Massachusetts Bonding & Insurance Co. Limit, 240 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(2799) S PARK BLVD. 201.31 NE E-28th SE to S line Lot 17 NE to SE Cor. Lot 16 NW 157.50 W 90.17 Reshdvn Bldgs G & H Bella Vista Park, Oakland. All work for frame dwelling and garage.
Owner. C. M. Peck, 1440 Broadway, Oakland.
Architect. None.
Contractor. C. M. Urech.
Filed Nov. 29, '16. Dated Nov. 29, '16.
Frame up. \$1100
Plastered. 1100
Completed and accepted. 1100
Usual 35 days. 1275
TOTAL COST, \$4575
Bond, none. Limit, 90 days after Nov. 27. Forfeit, \$25. Plans and specifications, none.

ALTERATIONS

(2801) NO. 744 KINGSTON AVE., Oakland. Alterations.
Owner. M. Kroll.
Architect. None.
Contractor. H. Carlson.
COST, \$500

ALTERATIONS

(2802) NO. 328 HENRY Oakland. Alterations.
Owner. Sarafino Pereira, Premises
Architect. None.
Day's work. COST, \$400

WAREHOUSE

(2803) NE FIFTH AND KIRKHAM, Oakland. Two-story reinforced concrete warehouse.
Owner. J. J. McElroy, Oakland Hotel, Oakland.
Architect. None.
Contractor. F. T. Malley, 3001 Grove, Oakland.
COST, \$20,000

GARAGE

(2804) NE WALLA VISTA & ARIMO Ave., Oakland. One-story garage.
Owner. W. W. Shannon, 826 Walla Vista, Oakland.
Architect. None.
Contractor. L. E. Chapin, Security Bk. Bldg., Oakland.
COST, \$400

DWELLING

(2805) N ARKANSAS 152 E Peralta Ave., Oakland. One-story five-room dwelling.
Owner. Andrew Anderson, 1036 48th, Oakland.
Architect. None.
Day's work. COST, \$1600

DWELLING

(2806) SE MONTANA AND CURRAN Ave., Oakland. One-story five-room dwelling.
Owner. R. C. Hillen, 430 Haight Ave., Alameda.
Architect. None.
Day's work. COST, \$2000

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2766	Leina	Leina	1500
2767	Foresters	House	2800
2768	Ramsdell	Owner	2000
2791	Meyers	Meyers	400
2791	Brooks	Smith	1000
2792	Spitler	Spitler	5000
2793	Kern	Kern	2500
2794	Peake	Peake	3000
2800	El Dorado Oil	Winter	3978
2807	Texdahl	Texdahl	1950

DWELLING

(2766) N CHANNING WAY 40 E Curtis, Berkeley. One-story 5-room dwelling.
Owner. Albin Leina, 2833 8th St., Berkeley.
Architect. None.
Day's work. COST, \$1500

LODGE ROOMS

(2767) S UNIVERSITY AVE 140 W Grove, Berkeley. Two-story 3-room lodge rooms.
Owner. Ancient Order Foresters.
Architect. None.
Contractor. Jacob House, 1818 Hearst Ave., Berkeley.
COST, \$2800

ADDITIONS

(2768) NO. 66 PANORAMIC WAY, Berkeley. Add to apartments (3 kitchens bath and porch).
Owner. Mrs. L. C. Ramsdell Prem.
Architect. None.
Day's work. COST, \$2000

ALTERATIONS

(2791) NO. 2223 SHATTUCK AVE., Berkeley. Alterations.
Owner. Brooks Bldg.
Architect. None.
Contractor. H. C. Smith, 2011 Francisco, Berkeley.
COST, \$1000

DWELLING

(2792) E MENDOCINO 350 S Indian Rock Path, Berkeley. Two-story 9-room dwelling.
Owner. E. B. Spitler, 815 Oxford, Berkeley.
Architect. None.
Day's work. COST, \$5000

DWELLING

(2793) N LOS ANGELES opp. Mariposa Berkeley. One-story 6-room dwelling
Owner. Herbert P. Kern, 938 San Benito Road, Berkeley.
Architect. None.
Day's work. COST, \$2500

DWELLING

(2794) NO. 770 SPRUCE, Berkeley. One-story 4-room dwelling.

Owner. F. E. Peake, 802 Spruce, Berkeley.
Architect. Wood & Simpson, 110 Sut-tner, San Francisco.
Day's work. COST, \$3000

ADDITION

(2809) S BRISTOL 56-10 1/2 W Third W 31-10 1/4 S 170-2 1/2 E 51-1 1/4 N 55-10 1/2 E 17-4 1/2 N 67-11 1/4 W 36-7 1/2 N 46-5 1/4, Berkeley. Corrugated iron roofing, flashings and counter flashings, ridge caps, gutter, leaders, metal sash and doors and painting metal work for brick factory addition
Owner. El Dorado Oil Works, 2nd and University Ave, Bkly.
Architect. None.
Contractor. B. Winter & C. Shields (Empire Sheet Metal Wks)
Filed Nov. 29, '16. Dated Nov. 27, '16.
1/4 completed. \$745.85
1/2 completed. 745.90
3/4 completed. 745.85
Completed and accepted. 745.90
Usual 35 days. 994.50
TOTAL COST, \$3978.00
Bond, \$1989. Sureties, G. Munier and H. W. Hutton. Limit, 30 days. Forfeit, none. Plans and specifications filed.

DWELLING

(2807) W TENDAHIL 160 S Oregon, Berkeley. One-story 5-room dwlg.
Owner. C. Texdahl, 3035 Harper, Berkeley.
Architect. None.
Day's work. COST, \$1950

Building Contracts Awarded.

Alameda

2789 Kemp. Pfrrang 2500
GARAGE
(2790) NO. 2021 ALAMEDA AVE., Alameda. Garage.
Owner. H. Meyers, Premises.
Architect. None.
Day's work. COST, \$400

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Nov. 27, 1916—SW TWELFTH AND Broadway W 100xS 100, Okd. Levy Estate Co as to improvements on leased property

COMPLETION NOTICES.

ALAMEDA COUNTY.

RECORDED ACCEPTED
Nov. 25, 1916—LOT 20 BLK 5 Map McKee Tract in Plot 46 V & D Peralta Rancho, Okd. Henry Wilshusen to Walter Hufschmidt. Nov. 10, 1916
Nov. 25, 1916—PTN LOTS 12 AND 13 containing 3.97 acres Blk "F" Map (Revised Map Piedmont Park, Marion Ransom and Edith Bridges to Wm. L. Boldt. Nov. 18, 1916
Nov. 27, 1916—N JOSEPH 156 W Peralta Park W 39xN 100 Reshdvn Peralta Park, Bkly. E A Janssen to whom it may concern. Nov. 23, 1916
Nov. 27, 1916—PTN LOTS S1 AND S2 Map Reshdvn Peralta Park, Bkly. E A Janssen to whom it may concern. Nov. 23, 1916
Nov. 29, 1916—W 50 LOT 18 BLK 8, Claremont, Bkly. Emma L Palache to Lawton & Vezey. Nov. 22, 1916

Nov. 29, 1916—LOT 12 BLK 3, Thous-
and Oaks Station Tract, Oakland
Tp. J S Killam to M P Brash....
.....Nov. 29, 1916
Nov. 29, 1916—LOT 18 BLK 2 Thous-
and Oaks Station Tract, Oakland
Tp. J S Killam to M P Brash....
.....Nov. 29, 1916
Nov. 29, 1916—LOT 16 BLK 7 Map
Resb'dvn Blks 9, 10, 11, 12, 13, 14,
and ptn Blk 16 Rock Ridge Terrace,
Okd. Blake Bros Co to whom it
may concern.....Nov. 29, 1916
Nov. 29, 1916—LOT 1 Ocheltree Sbdvn
Lot 2 and N 60 Lot 3 Blk 18, Ber-
keley Villa Ass'n, Bkly. G B
Ocheltree to Curtis Wright.....
.....Nov. 27, 1916
Nov. 29, 1916 PTN LOT 3 BLK "U"
Map Resb'dvn Map Okd Heights,
Oakland. Della Steele to A T
Spence.....Nov. 27, 1916
Dec. 1, 1916—PTN LOT 11 BLK "G"
Revised Map Piedmont Park, Pied-
mont. Mrs Cleveland H Baker to
S P Bertelsen.....Nov. 27, 1916

LIENS FILED

ALAMEDA COUNTY.

Nov. 25, 1916—N 5 LOT 191 all Lot
192 and S 5 Lot 195, Terminal
Junction Tract, Albany. Sunset
Lumber Co vs Madge H and Jesse
W Jones\$42.22
Nov. 25, 1916—N 25 LOT 195 and S 15
Lot 197, Terminal Junction Tract,
Albany. Sunset Lumber Co vs
Madge H and Jesse W Jones...\$42.22
Nov. 27, 1916—SW NINETEENTH AV
and E-19th 35x100. Okd. R H
Chamberlain vs Wm B White...\$16.85
Nov. 27, 1916—W SHATTUCK AVE
418.1 N 65th N 35 SW 107 SE 35 NE
106, Okd. Hunter Lumber Co, \$47.26
Swift & Wilcox, \$113.10 vs William
McGrew and Margaret Kelly....
Nov. 28, 1916—N 5 LOT 191; all Lot
193 and S 5 Lot 195 Map Terminal
Junction Tract, Albany. Rhodes-
Jamieson & Co, \$54.85 and \$54.80 (2
liens) vs J W and Madge H Jones
and J W Wilson.....
Nov. 29, 1916—(1) PTN AUGHIN-
baugh 223.374 Acre Tract Lots 22,
25, 26, 27 and ptn Lots 23 and 24
Sec 11 and Lot 6 Sec 14 Tp 2 S
Range 4 W M D M Sale Map No. 10,
Salt Marsh and Tide Lands, Ala.
Goodyear Rubber Co vs J O Davis,
Surf Beach Amusement Co, August
Freese, A F Spence, Alameda Park
Co, H M Owens, Wm Edwards, New-
ark Development Co, Harvey M
Toy, F W Lucas, S F Walter and
Strehlow, Freese & Peterson...\$188.35
Dec. 1, 1916—S THIRTEENTH 129 E
Center E 29xS 110, Okd. Melrose
Lumber & Supply Co vs Frank
Damanto\$730.51

SAN JOSE AND THE SANTA CLARA VALLEY.

STREET IMPROVEMENT—\$51,316.
-58. Santa Cruz, Santa Cruz Co., Cal.
Engineer, City Engineer, Santa Cruz.
Owners, City of Santa Cruz. A. P.
Brady, Humboldt Bank Bldg., S. F.,
submitted the low bid to the City
Council for the King Street District
Improvement. Brady's bid was \$51-
316.98. Other bidders were: City
Street Improvement Co., \$59,755.92.
Federal Construction Co., \$51,738.62.

Keystone Hotel

54 4th Street, near Market
San Francisco, Cal.



Right down town. Close to the Builders Exchange and
General Contractors Ass'n. Accommodations can't be
equalled for double the price.

Rooms with private baths, \$1.25 per day.

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor
what quantity of each you may need for immediate delivery, you can depend
upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled
with fair prices as our standard. We have the quantity and the variety on hand for
immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

Bids were laid over for further consid-
eration.

HOTEL ADDITION—2 story and
base, reinforced concrete, \$50,000. San
Jose, Santa Clara Co., Cal. Architect,
William Binder, Rea Bldg., San Jose.
Owner, Montgomery Hotel Co. Loca-
tion, San Antonio near North First
street. New portion will contain sam-
ple rooms, dining room and kitchen
space. Plans complete and figures be-
ing taken.

STORES AND OFFICES—2 story and
base, reinforced concrete. Cost not
stated. Palo Alto, Santa Clara Co., Cal.
Architect, Henry H. Meyers, Kohl Bldg.,
S. F. Owners, G. M. Gardiner et al. Loca-
tion, University and Bryant streets,
covering an area of 100 by 120 feet.
Will contain a number of stores on the
first floor and offices for doctors and
dentists on the upper floors. Plans com-
plete and figures being taken.

CLUBS—Reinforced concrete.
Cost not stated. Redwood City, San

Mateo Co., Cal. Engineer, County Sur-
veyor, Redwood City. Owners, San
Mateo County. Bids will be opened on
December 8th at 10 a. m. for the con-
struction of a reinforced concrete cul-
vert on the Alpine road in the Third
Road District of San Mateo County.

STREET IMPROVEMENTS—Cost as
follows. Daly City, San Mateo Co., Cal.
Engineer, City Engineer, Daly City.
Owners, Daly City. The City Trustees
received the following bids for the
street improvements in Vista Grande
No. 2: McGillivray Construction Co.,
717 Capitol National Bank Bldg., Sacra-
mento, \$16,181.28. Ransome-Crummey
Co., First National Bank Bldg., Oak-
land, \$15,873.52.

Contracts Awarded.

STREET IMPROVEMENTS—\$54,316.-
98. Santa Cruz, Santa Cruz Co., Cal.
Engineer, City Engineer, Santa Cruz.
Owners, City of Santa Cruz. Contractor
A. P. Brady, Humboldt Bank Bldg.,
S. F. Contract price, \$54,316.98.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME RESIDENCE

HANCHETT RESIDENCE PARK near San Jose. All work for one-story plastered frame residence.

Owner.....Maurice J. Rankin, Bank of San Jose Bldg., S. J.

Architect.....J. L. Haskins.

Contractor.....J. L. Haskins, 68 Sierra St., San Jose.

Filed Nov. 25, '16. Dated Nov. 21, '16.

Frame up..... 1/4

Ready for plaster..... 1/4

Ready for paint..... 1/4

10 days after..... 1/4

TOTAL COST, \$2693.50

Bond, \$1346.75. Sureties, W. M. South-

eimer and Sewell Hatcher. Limit, 90

days from date. Forfeit, none. Plans

and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED

Nov. 20, 1916—ELEVENTH AND

Santa Clara, San Jose. Associated

Oil Co to Morrison Bros. Nov. 14, 1916

Nov. 23, 1916—LOTS 12 AND 14 BLK

4, Schottenhammer Tet No. 4, San

Jose. J. A. Wagner to whom it may

concern.....Nov. 15, 1916

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME RESIDENCE

LOTS 1, 2, 3, 12, 13, 14 BLK 5, Burlingame Hills Burlingame. Mill work for two-story frame and plaster residence.

Owner.....Mrs. Eleanor S. Christenson

San Francisco.

Architect.....Charles E. Gottschalk,

Phelan Bldg., S. F.

Contractor.....The Pacific Mfg. Co., 117

Stevenson, S. F. and Santa

Clara, Cal.

Filed Nov. 22, '16. Dated Nov. 22, '16.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$2300

Bond, none. Limit, according to progress.

Forfeit none. Plans and specifications

filed.

BRICK AND CEMENT WORK ON

above.

Contractor.....McGowan & Butler, 180

Jessie, San Francisco.

Filed Nov. 22, '16. Dated Nov. 15, '16.

Payments same as above.....

TOTAL COST, \$3650

Bond, \$1825. Surety, Aetna Accident &

Liability Co. Limit, 50 days. Forfeit,

none. Plans and specifications filed.

SHEET METAL WORK ON ABOVE.

Contractor.....Western Furnace & Cor-

nic Co., 1615 Howard, S. F.

Filed Nov. 22, '16. Dated Nov. 8, '16.

Payments same as above.....

TOTAL COST, \$1236

Bond, \$618. Surety, Aetna Accident &

Liability Co. Limit, 30 days. Forfeit,

none. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE.

Contractor.....B. Bryon Elec. Constr. Co.,

1534 8th Ave., S. F.

Filed Nov. 23, '16. Dated Nov. 15, '16.

Payments same as above.....

TOTAL COST, \$1346

Bond, \$920. Sureties, C. S. Brundage

and Edward Cox. Limit, 40 days. For-

feit, none. Plans and specifications

filed.

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

ROAD IMPROVEMENT—Cost not

stated. Napa Napa Co., Cal. Engineer,

County Surveyor. Owners, Napa

County. Bids will be opened on

December 13th at 10 a. m. for the

grading and construction of the road in

Mt. Veeder Permanent Road Division

in said county of Napa. Specifications

for said work are on file in the office

of the undersigned, to which bidders

are hereby referred to, consisting of

grading and construction of section A,

section B, section C, and section D. A

separate bid for the grading of

sections under the direction and super-

vision of Mark Hein, Supervisor of Road

District No. 1 of Napa County, and to

be completed on or before June 1, 1917,

is hereby asked for, and a separate

bid for furnishing crushed rock for

stid sections A, B, C, and D, all of said

rock to be furnished on or before

October 1, 1917. A separate bid for

grading and supplying said crushed

rock for all of said sections, said

grading to be completed and the said

crushed rock to be delivered.

MILK MILL AND ELEVATORS—

Reinforced concrete. Cost not stated.

South Vallejo, Solano Co., Cal. En-

gineer, Maurice Couchot, 110 Sutter St.,

S. F. Owners, Sperry Flour Co. Con-

tractors, Dinawiddle Construction Co.,

Crocker Bldg., S. F. Contract includes

only the reinforced concrete and steel

work. Contract price not stated.

ROCK SEA WALL—Cost not stated.

Richmond, Contra Costa Co., Cal. En-

gineers, Haviland & Tibbets, Alaska-

Commercial Bldg., S. F. Owners, City

of Richmond. Bids will be opened on

December 18th at 8 p. m. for the

construction of a rock sea wall adjacent

to Municipal Wharf No. 1, Richmond

Harbor, on the waterfront at Point

Richmond.

PUBLIC CONVENIENCE STATION—

Cost not stated. Richmond, Contra

Co., Cal. Engineer, City Engineer,

Richmond. Owners, City of Richmond.

Bids will be opened on December 11th

for the construction of a public

convenience station at the intersection

of Cutting and Garrard Boulevards

and Richmond avenue.

Contracts Awarded.

STREET IMPROVEMENT—\$2,531.03.

Richmond, Contra Costa Co., Cal. En-

gineer, City Engineer, Richmond. Own-

ers, City of Richmond. A slight

discrepancy in the form of the bid of

the Fallon Construction Co. was

responsible for the Council rejecting

their low figures and awarding the

improvement to W. J. Johnson. The

Fallon bid was \$2,531.03.

HARBOR FILL, ETC.—Cost as

follows. Richmond, Contra Costa Co.,

Cal. Engineers, Haviland & Tibbets,

Alaska Commercial Bldg., S. F. Owners,

City of Richmond. The Standard Amer-

ican Dredging Co., 414 13th street, Oak-

land, although being the low bidder

for constructing the mud fill in the

inner harbor, was not given the

contract by the City Council. The

matter was referred to the City

Attorney for one week. Only three

bids were received for the work. The

fill is to be approximately 1,600

linear feet in length. The bids were,

Standard American Dredging Co.,

\$39,376; American Dredging Co.,

\$52,900; San Francisco Bridge Co.,

\$43,240.

WATER TUNNEL—\$257,400.

San Rafael, Marin Co., Cal. Engineer,

A. R. Baker, Marin Co., Cal. Owners,

Marin Municipal Water District. Con-

tractors, McLaren & Peterson, Sharon

Bldg., S. F. Contract price, \$257,400.

BUILDING CONTRACTS

MARIN COUNTY.

ALTERATIONS

MILL VALLEY JUNCTION. Carpenter

work, etc., for alterations to school

building.

Owner.....Trustees of Tamalpais

High School, Mill Valley.

Architect.....J. W. Dolliver, 201 San-

some, San Francisco.

Contractor.....A. O. Field.

Filed Nov. 23, '16. Dated Nov. 14, '16.

As work progresses.....

TOTAL COST, \$2649

Bond, \$1324.50. Surety, Massachusetts

Bonding & Insurance Co. Limit, 90

days. Forfeit, none. Plans and spec-

ifications filed.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED

Nov. 23, 1916—SAN ANSELMO.

Florence F. Sites to Edward G

Jackson.....Nov. 22, 1916

Nov. 27, 1916—SAUSALITO. H. Kruse

to P. Hamilton.....Nov. 24, 1916

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME COTTAGE

TENTH, bet. Roosevelt and Clinton,

Richmond. Frame cottage.

Owner.....Mrs. Annie Powney.

Architect.....None.

Contractor.....J. A. Fagstrom, 35 9th St.,

Richmond.

COST, \$1150

FRAME COTTAGE

SE SACRAMENTO AND TAYLOR, Rich-

mond. One-story frame cottage.

Owner.....Manual Matoiza, San Pablo.

Architect.....None.

Contractor.....A. A. Beckman, Rust P. O.,

Richmond.

COST, \$1500

BRICK STORES

MACDONALD AVE., bet. 5th and 6th

Sts., Richmond. One-story brick

store building.

Owner.....J. A. Parysek, Richmond.

Architect.....J. T. Narbett, 10 Macdon-

ald Ave., Richmond.

Contractor.....A. W. Josselyn, 444 9th St.,

Richmond.

COST, \$2900

FRAME DWELLING

SE TENTH AND CHANSLOR STS.,

Richmond. Frame dwelling.

Owner.....W. T. Helms, 235 6th St., Richmond.

Architect.....Jas. T. Nabrett, 910 Mac-

donald Ave., Richmond.

Contractor.....Mathew Morton, Builders' Exchange, Richmond.

COST, \$2100

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

LIGHTING SYSTEM—\$10,000 Merced, Merced Co., Cal. Engineer, T. Phillips, Pacific Bldg., S. F. Owners, City of Merced. Plans for an ornamental street lighting system to cost \$10,000 have been officially approved and bids will shortly be called for. Plans call for a small one-story reinforced concrete substation, the underground conduit system and the ornamental electrolier.

IRRIGATION SIPHON—Cost not stated. Waterford, Stanislaus Co., Cal. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Bids will be opened on December 21st at 2 p. m. for constructing a siphon. Said siphon is to be situated at the crossing of the lower main canal of the Waterford Irrigation District beneath the outlet canal of the Modesto Irrigation District reservoir, and at a point approximately seven hundred feet southerly from the outlet gates of said reservoir. The work involved includes making necessary excavation, and backfilling and pouring approximately 105 cubic yards of reinforced concrete, said work being known as Contract Section No. 6.

IRRIGATION FLUME, ETC. Cost not stated. Waterford, Stanislaus Co., Cal. Engineer, Chief Engineer, Waterford. Owners, Waterford Irrigation District. Bids will be opened on December 21st for constructing a cement lined flume to be situated at the crossing of the lower main canal of the Waterford Irrigation District over the main canal of the Modesto Irrigation District and about one-half mile north east of the town of Waterford. The work involved includes the excavation of footings and headworks, pouring concrete footings, erection of flume, and application of cement plaster lining. Flume ho is to be 4 by 6 feet, and approximately 900 feet long. The work is to be known and described as Contract Section No. 7.

RESIDENCE—1 story and base, frame, \$2,000. Fresno, Fresno Co., Cal. Architect, none. Owners, Dow and Cannon. Fresno. Location, Hazelwood Addition. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,000. Fresno, Fresno Co., Cal. Architect, none. Owner, John L. Boyd. Fresno. Location, Buena Vista Addition. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

POST OFFICE—2 story and base, brick, steel and stone. Cost not stated. Bakersfield, Kern Co., Cal. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be received on December 22nd at 3 p. m. for the entire construction of the new federal building. Plans provide for a building similar to the post

office in Berkeley, Cal. An official proposal appears in another column of this issue. Plans can be secured from either the Supervising Architect at Washington, D. C., or the custodian of the site at Bakersfield.

SCHOOL HEATING SYSTEM—Cost not stated. Bakersfield, Kern Co., Cal. Architect, Orville L. Clark, Brower Bldg., Bakersfield. Owners, City of Bakersfield. Bids will be opened on December 5th for the furnishing of all materials and labor necessary to install and complete a heating system known as the Hawks Ventilating Gas Radiator System, same to be installed in the present Fremont School building, under construction at the present time.

STREET IMPROVEMENTS—Cost as follows. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. The City Council has awarded the contract to Corfield & Davis, Bakersfield, for paving and grading 21st street, between I and L streets, they being the low bidders at \$4,379. Lloyd S. Stroud, 2225 18th street, Bakersfield, was awarded the contract for sewer work in Sewer District No. 34, he being the low bidder at \$1,556.45.

Contract Awarded.

PAVING, ETC.—\$19,800. Tulare, Tulare Co., Cal. Engineer, City Engineer, Tulare. Owners, City of Tulare. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price, \$19,000.

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED **ACCEPTED**
Nov. 29, 1916—LOTS 17, 18, 19 BLK 82
Fresno. Milo L. Rowell to whom
it may concern.....Oct. 1, 1916
Nov. 29, 1916—LOTS 17 TO 21 BLK
"D," Fresno. Milo L. Rowell to
whom it may concern.....Aug. 25, 1916

DWELLING
N 1/2 OF SE 1/4 OF SEC 19 15-20, Fresno.
All work for dwelling.
Owner.....Fon Kee, 921 G St., Fresno.
Architect.....None.
Contractor.....John Herrman.
Filed Nov. 25, '16. Dated Nov. 25, '16.
Floor in\$100
Plastered 650
Usual 35 days..... 350
TOTAL COST, \$1400
Bond, \$700. Sureties, E. Kerner
and David Brase. Limit, Jan. 18, '17. For-
feited, none. Plans and specifications
filed.

DWELLING
LOTS 18 AND 19 BLK 4, Buena Vista
Addition, Fresno. Dwelling.
Owner.....John L. Boyd.
Architect.....None.
Day's work..... **COST, \$1000**

DWELLING
LOT 16 BLK 27 Hazelwood Addition,
Fresno. Dwelling and garage.
Owner.....Dow & Cannon.
Architect.....None.
Day's work..... **COST, \$2000**

DWELLING
LOT 23, 1/2 LOT 22 BLK 3, Hazelton Ad-
dition, Fresno. Dwelling.
Owner.....Maud Dearing.
Architect.....None.
Contractor.....Geo. Hooper, 620 Bond St.,
Fresno. **COST, \$1400**

LIENS FILED

FRESNO COUNTY.

RECORDED	AMOUNT
Nov. 29, 1916—N 1/2 OF N 1/2 OF SW 1/4 of Sec 32, 14-22, Fresno. C P Keesling vs A C Mason.....	\$83
Nov. 27, 1916—LOT 9 BLK 20, Alta Vista Tract, Fresno. B A Newman vs Jas L Miller.....	\$174
Nov. 17, 1916—REAR 16 FEET OF Lots 14, 15, 16 Blk 84, Fresno. Lewis Electric Co vs Dickran Yez- dan	\$270
Nov. 23, 1916—LOTS 20, 21 AND 22 Blk 54, East Fresno. P A Foin & Son vs Fred Jones and Mutual Bldg & Loan Co.....	\$245.66
Nov. 24, 1916—LOT 9 BLK 20, Alta Vista Tract, Fresno. Fresno Brick & Tile Co, \$20; Fresno Hardware Co \$41; Fister-Glassford Co, \$48 vs Jas L Miller.....	\$73
Nov. 24, 1916—LOT 9 BLK 20, Alta Vista Addition, Fresno. Valley Hardware Co vs J L Miller, L R Duncan and J C Dvorak.....	\$73

NOTICE OF NON-LIABILITY.

FRESNO COUNTY.

Nov. 27, 1916—SEC 23, 15, 35-19-18,
Fresno. Kings County Develop-
ment Co as to improvements on
leased property

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

SEWER EXTENSION SYSTEM—Cost not stated. Eureka, Humboldt Co., Cal. Engineer, City Engineer, Eureka. Owners, City of Eureka. The City Engineer has been instructed by the Eureka City Council to prepare plans and specifications for an addition to the sewer system which will relieve a congested part of the city in the east corner part of the city in the next few years. Strand submitted a written report relative to the matter and was requested to proceed along the lines he advocated.

IRRIGATION PROJECT—Cost not stated. Tracy, San Joaquin Co., Cal. Engineer, W. G. Hunter, Commercial Savings Bank Bldg., Stockton. Owners, West Irrigation District. Bids will be opened on December 19th for work to be done in the construction of an intake canal from Bethany Ferry to a point near the northeast corner of the S. W. 1/4 of the N. E. 1/4 of section 10, T. 2 S., R. 4 E., Mt. D. B. and M., the canal to be about 5,500 feet long and about 225,000 cubic yards of material to be excavated.

RESIDENCE—1 story and base, frame, \$1,800. Sacramento, Cal. Architect, none. Owner, J. Gabrielli, 4012 J. street, Sacramento. Location, 35th and J streets. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

ELECTROLIER SYSTEM—Cost not stated. Chico, Butte Co., Cal. Engineer, City Engineer, Chico. Owners, City of Chico. The plans and specifications for the new electrolier lighting system, drawn up by City Engineer Martin Polk, have been accepted by the Board of Trustees and the City

Clerk was instructed to advertise for bids for the construction of the system. Plans with further information may be had from the City Clerk.

ROAD MACADAMIZING—\$1,965. Marysville, Yuba Co., Cal. Engineer, County Surveyor, Marysville. Owners, Yuba County. Contractor, M. Blumenkrantz, Lincoln. Contract price, \$1,965.

FLATS—2 story and base, frame, \$5,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, Messrs. Brock & Maisel. Location, northeast El Dorado and Boese. Will contain two flats of five and six rooms. Plans complete of five and six rooms. Plans complete.

HOSPITAL BOILER EQUIPMENT, ETC.—Cost not stated. Sacramento, Cal. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento County. Bids will be received up to December 22nd at 2 p. m. for the furnishing of all labor, materials and mechanical workmanship necessary for the furnishing and installing of boiler and piping for the Nurses' Home and three ward buildings, now being erected on the present county hospital grounds.

WATER PIPE—Cost as follows. Eureka, Humboldt Co., Cal. Engineer, City Engineer, Eureka. Owners, City of Eureka. Contractors, Pacific Hardware and Steel Co., S. F. Contract price, 12,000 feet of 2-inch iron pipe at \$13.09 per 100 feet.

MARKET—1 story and base, brick, \$1,000. Escalon, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Frank Boone. Will cover an area of 25 by 50 feet. Plans are being prepared.

Contracts Awarded

GARAGE—1 story and base, brick. Cost not stated. Manteca, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, Josh Cowell, Manteca. Will cover an area of 75 by 150 feet. Contractor, Dan Baysinger, Ripon. Contract price not stated.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ALTERATIONS

THIRTY-EIGHTH AND J STS., Sacramento. Shingle roof and plaster interior of building. Owner, Angeline Morioli, Premises. Architect, J. Gabrieli, 412 J St., Sacramento. Contract price not stated.

COST, \$1800

UPPER STOCKTON ROAD, Sacramento. All work for new hollow tile wards. Owner, The Sacramento County Hospital.

Architect, R. A. Herold, Forum Bldg., Sacramento. Contractor, W. C. Keating, Forum Bldg., Sacramento. COST, \$76,077

ALTERATIONS

NO. 822 K ST., Sacramento. Remodel lower shop windows. Owner, G. W. Cowen, Premises. Architect, J. Gabrieli, 412 J St., Sacramento. Contractor, Geo. D. Hudnutt, California Fruit Exchange, Sacramento. COST, \$975

REPAIRS

LOT 2101, Elmhurst. Repair residence. Owner, F. W. Ehrhardt, 1578 California Blvd., Sacramento. Architect, J. Gabrieli, 412 J St., Sacramento. Contractor, R. H. Ruiter, 2715 2nd Ave. Sacramento. COST, \$550

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

BRICK GARAGE

MANTECA, San Joaquin Co. One-story brick garage building. Owner, John Cowell, Manteca, Cal. Architect, Ralph P. Morrell, I. O. O. F. Bldg., Stockton. Contractor, Dan Baysinger, Ripon and Manteca, Cal. COST, \$8000

LEASES.

Dec. 1, 1916—NO. 2801 SAN BRUNO Ave. Daniel McKinley to M. P. O'Connor, 5 years. \$2100.

LOS ANGELES AND SOUTHERN CALIFORNIA

BAKERY—1, 2 and 3 story and base, brick, \$65,000. Los Angeles, Cal. Architect's name not given. Owners, The Supreme Baking Co., 401 North avenue, L. A. Contractors, Frank Graves & Son, Builders' Exchange, L. A. Contract price, \$65,000.

FACTORY GROUP—\$10,000,000. Los Angeles, Cal. Engineer's name not given. Owners, Eisenhuth Motor Co. J. W. Eisenhuth, president of the Eisenhuth Motor Company, has applied to the Harbor Commission for a lease on a site of seventy acres at Los Angeles Harbor on which the company proposes to construct a manufacturing plant to cost \$10,000,000. Options have been secured on adjoining property and the factory will occupy a total of 105 acres. The company will manufacture automobiles, auto trucks, and gas engines. Mr. Eisenhuth lives at the Angeles Hotel and states that the project has been financed by eastern capital.

SHIP BUILDING PLANT—\$750,000. Los Angeles, Cal. Engineer's name not given. Owners, Los Angeles Ship Building Co. E. G. Eckstrom, 257 L. W. Hellman Building, representative, which is negotiating with the Harbor Commission for a lease for a ship building site at Los Angeles Harbor, contemplates the erection of a group of buildings for the new plant. Mr. Eckstrom states

that the building will be of frame construction and that the work will be done by the day. The new structures will include a plate shop, 80 by 450 feet; machine shop, 80 by 75 feet; carpenter shop, 80 by 200 feet; pattern shop, 80 by 75 feet; and general storage building, 80 by 150 feet. The shop building will be equipped with a large traveling crane. The total expenditures, including buildings, construction of wharves, and machinery, will eventually reach the sum of \$750,000.

RAILROAD SHOPS, ETC.—Reinforced concrete. Cost not stated. Needles, San Bernardino Co., Cal. Engineer, Chief Engineer, Kerehoff Bldg., L. A. Owner, Atchison, Topeka and Santa Fe R. R. Co. Twenty buildings are included in the plan. The roundhouse will be of reinforced concrete construction and will contain forty stalls, making one of the largest roundhouses on the Santa Fe system. The other buildings will be of brick construction and will range from small structures to large shop buildings. An estimate is being made as a basis on which to make an appropriation for the erection of the buildings.

RAILROAD STATION, ETC.—Reinforced concrete. Cost as follows. San Bernardino, San Bernardino Co., Cal. Engineer, Chief Engineer, Kerehoff Bldg., L. A. Owners, Atchison, Topeka and Santa Fe R. R. Co. Plans for new buildings for the Santa Fe depot grounds south of Third street, comprise the following structures: A passenger depot costing \$20,000; refrigerator repair plant costing \$75,000; car and coach shop, 150 by 245 feet, together with other shop buildings, \$125,000; upholstering and cabinet shop, 75 by 125 feet; mill building, 80 by 250 feet. The new buildings will cover a tract of ground 1725 by 250 feet fronting on Third street. It is proposed to purchase the land for about \$100,000. Plans for the new buildings are being evolved by General Manager A. G. Wells, General Superintendent J. L. Hubbard, and Herbert S. Wall, shop superintendent.

RESIDENCE—2 and 3 story and base. Class A construction \$200,000. Pasadena, Los Angeles Co., Cal. Architect, Charles Platt, New York City. Owner, Dr. Campbell. Contractor, Thomas C. Marlowe, 1017 Van Nuys Bldg., L. A. Note: The contract has been awarded on a percentage basis.

STREET IMPROVEMENTS. Cost not stated. Ventura, Ventura Co., Cal. Engineer, County Surveyor, Ventura. Owners, Ventura County. Sealed bids for the improvement of Division 8, South

DIRECT TO YOU

**Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries**

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

to Moorpark, will be received by the Board of Supervisors of the County of Ventura of to 11:30 a. m. of the 15th day of December, 1916, at their office in Ventura. Said improvements consisting in part of grading and paving with concrete 16 feet wide, 4 inches thick, hauling of pipe and concrete culverts on 7.42 miles of road.

Contracts Awarded.

APARTMENT HOUSE—4 story and base, Class C construction, \$125,000. Los Angeles, Cal. Architects, Peoples & Cheney, Haas Bldg., L. A. Owners, Wiltshire Hotel Co. Contractors, Atlas Building Co., Haas Bldg., L. A. Contract has been taken on the percentage basis.

APARTMENT HOUSE—4 story and base, brick, \$30,000. Venice, Los Angeles Co., Cal. Architect, D. D. Smith, 519 South Ocean Front, Venice. Owner, David Evars, Contractor, D. D. Smith, 519 South Ocean Front, Venice. Contract price, \$30,000.

STREET PAVING—\$26,000. Upland, San Bernardino Co., Cal. Engineer, City Engineer, Upland. Owners, City of Upland. Contractors, Crown Construction Co., Culver City. Contract price, \$26,000.

SEWER CONSTRUCTION — \$28,650. Long Beach, Los Angeles Co., Cal. Engineer, City Engineer, Long Beach. Owners, City of Long Beach. Contractors, Tomich & Jaeger, 553 Pacific avenue Long Beach. Contract price, \$28,650.

PORTLAND AND OREGON

SCHOOL—1 and 2 story, Class C construction, \$19,745. Paisley, Ore. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Paisley School District. Zoph Bros., Enterprise, Ore., submitted the lowest bid for the new school building, and while the contract has not been officially awarded such action will be taken.

CLUB HOUSE—2 story, brick and frame, \$100,000. Laurelhurst, Ore. Architects, Lucius & Martin, Lewis Bldg., Portland. Owners, Laurelhurst Club. Location, east Ankeny street. Will contain social rooms, large ball rooms, complete kitchen equipment and offices. Plans being prepared.

SEATTLE AND WASHINGTON

Contracts Awarded.

HOTEL—11 story and base, steel and reinforced concrete, \$150,000. Seattle, Wash. Architects, Ames & Young, St. Louis, and H. Bittman, Seattle, Wash. Owners, Hotel Washington Co. Contractors, Black Construction Co., Alaska Bldg., Seattle. Contract price, \$150,000.

ROAD CONSTRUCTION — \$108,000. Everett, Wash. Engineer, County Surveyor Everett. Owners Snohomish County. Contractor, Mark Odell, Master Builders' Association, Arcade Bldg., Seattle. Contract price, \$108,000.

VISALIA TO BUILD ELKS' HOME.

VISALIA, Cal.—Plans have been prepared for the Elks of Visalia providing for a new lodge that will cost \$50,000 to build. It is hoped to call for bids early in January. If that can be done, the lodge should be ready to occupy next August.

City Bids Opened.

The following bids were received by the San Francisco Board of Public Works Wednesday for furnishing lighting fixtures for the new Central Emergency Hospital under construction in the Civic Center:

Light Fixtures.

J. W. Burchaell.....	\$14,400.00	\$1,575.00
Thomas Day Co.....	2,245.70	2,245.70
Ickelheimer Bros. Co.	1,879.00	1,879.00
Roberts Mfg. Co.....	1,703.00	1,703.00

Two bids were received at the same meeting for the improvement of portions of Clayton street, between the Corbett Road and Caselli street. The Federal Construction Co. submitted the lowest bid at \$16,346 and the Ransome-Crummey Co. the other bid at \$18,015.40.

AWARD CONTRACT FOR ALAMEDA CO. JOB

W. G. Thornally of Oakland Secures Contract for Building Six Tubercular Hospital Cottages.

A contract for the construction of the six frame and concrete hospital cottages which are to be erected at the Alameda County Tubercular Hospital near Livermore has been awarded by the Board of Supervisors to W. G. Thornally, 3027 E-16th street, Oakland, on his bid of \$104,690. The buildings were designed by Architect Henry H. Meyers, Kohl Bldg., San Francisco.

Following is a complete list of the bids received:

Tubercular Cottages.

Walter Sorenson	\$107,800
W. G. Thornally.....	104,690
R. W. Littlefield.....	106,500
Peter N. Schmidt.....	107,269
Alfred Olson	106,896

GLASS WORKS RESUME.

STOCKTON, N. D.—Glass blowing has been resumed at the Stockton Glass Works by the Patterson Glass Company, a new organization financed by K. M. Patterson, who last season managed the plant for the W. E. Fuller company. The plant started operations with 150 men on the pay roll, but fifty more experienced workers are on their way for West Virginia.

RICE WAREHOUSE COMPLETE.

ELTE CITY—The new warehouse of the Sacramento Warehouse Co. at this city now is complete and tractors are hauling rice and grain from the surrounding country. The new house is one of the largest in this section of the country. Electric elevators will be used for stacking the grain.

LOS ANGELES SHIP PLANTS.

LOS ANGELES—Rumors of more ship building companies seeking sites here are urgent along the waterfront. The definite announcement that Robert Christy was seeking a site for a concern in which he was interested was made recently and it was learned that still a third company has been investigating possibilities in the outer harbor. The first company to make definite announcement was the Los Angeles Shipbuilding Co.

SHALL COMBINATIONS TO CONSERVE NATURAL RESOURCES BE PERMITTED?

National Chamber Referendum Offers to Commercial Organizations Question of Remedial Legislation Permitting Agreements When in the Interest of the Public, Labor, and Business.

WASHINGTON, D. C., November 29.—Commercial bodies of the country through a referendum sent by the Chamber of Commerce of the United States will have an opportunity to vote against the report of a special committee which recommends that there should be remedial legislation to permit co-operative agreements under Federal supervision in those industries which involve primary natural resources, on condition that the agreements in fact tend to conserve the resources, to lessen accidents, and to promote the public interest.

The plan is to make it possible for the Federal Trade Commission to go beyond its present powers of investigation and to formulate constructive plans under which an industry may operate to the common benefit of consumers, workmen, and producers. The public interest is the paramount thing. The committee means to point a way by which the public interest may be safeguarded and promoted, instead of being left to take care of itself, as at present.

In support of the above recommendation the argument is put forth that the natural resources of the country received little attention twenty-five years ago, except as sources for exploitation. Legislation made no distinction between the resources which become exhausted or greatly depleted through utilization and resources which in large part renew themselves every year. The necessity of efficient utilization and of appropriate legislation has been recognized in steadily increasing degree by the public, and the principal question now remaining appears to relate to methods and to the form new legislation should assume.

Members of Committee Advocating Legislation.

By way of emphasizing the thorough manner in which the question submitted to the National Chamber members has been gone into, the personnel of the committee making the report is cited. The acting chairman is W. L. Saunders, of New York, chairman of the Board of Directors of the Ingersoll-land Company and formerly president of the American Institute of Mining Engineers. The other members are: William B. Clark, professor of geology at Johns Hopkins University and Geologist for the State of Maryland; John H. Fahey, a newspaper publisher of Boston, and formerly president of the Chamber of Commerce of the United States; Charles S. Keith, a lumberman and coal operator of Kansas City, president of the Southern Pine Association; and Dr. Charles R. Van Hise, a well-known geologist and president of the University of Wisconsin.

Committee Recommendations Limited in Scope.

The National Chamber committee confined its study to timber, the ores and deposits of useful metals, and the deposits of minerals which are a

source of heat, light and power. The recommendation is likewise limited accordingly. An industry so integrated that beginning with the mining of ore or coal it performs many operations and eventually produces steel rails or coal-tar products does not, as to its rails or its coal-tar products, come within the recommendation. Neither does an industry which has furniture or any other elaborated article as its product. The industries which are contemplated are those which take a resource as it occurs in nature and bring it to such a form as customarily first becomes a commercial product, either as a basic raw material for other industries or as an article for general utilization.

Would Not Conflict With State Legislation.

In putting forth the question submitted in the referendum the committee developed the idea that any legislation enacted by Congress will in itself have a limitation, because Congress can do no more than deal with interstate trade. These are primarily matters of state law. The committee has in mind remedial legislation which would in no sense encroach upon state jurisdiction but which, when these enterprises through their entrance upon interstate trade become subject to federal statutes, would declare legal the situations that are in question in the event that certain conditions have been met.

The form which remedial agreements among individual operators in the industries under discussion in this report should take the committee does not undertake to suggest. It recognizes that different industries may well require distinct forms of agreement.

Irreparable Waste and Human Loss.

It is contended by the National Chamber committee that in the course of the last twenty-five years the competition which increases waste of natural resources and heightens danger of life and limb among operatives has grown in breadth and intensity. Where lumber mills of a district formerly competed among themselves they now compete also with mills in distant parts of the country, each with each. Although railroads are permitted to make rates of transportation by districts, the mills of a district must act individually. Where coal mines in a part of the country once competed with one another they now must strive for their markets with mines in other parts of the country. The railways hauling the coal may make common rates but producers of the coal cannot act in common to preserve the supply or to obtain its efficient distribution.

Increased Consumption of Natural Resources.

The quantities of products our natural resources are called upon to furnish have greatly increased during the years which have elapsed since our general legislation dealing with interstate trade was enacted. The production of coal from American mines has increased almost fivefold while the population has increased less than 70 per cent. During the past quarter of a century the yearly drain upon our sources of petroleum has increased sixfold and more.

The commercial utilization of natural gas which fell off in earlier years has

since increased, reaching \$161,000,000 last year when six hundred twenty-eight billion cubic feet were used. Sixteen million long tons of iron ore were produced from the mines of the country in 1910. In 1915 they had 55,000,000 to show for the year's operation, and this year they may turn out 70,000,000 tons. The increase has been very largely in hematite, the most desirable form of ore. In other words, we have been consuming our supplies of superior ore and in increasing degree neglecting inferior grades.

Our Immense Output of Copper and Timber.

According to the committee, we contributed eight or ten times as much as any other country to the world's supply of copper. Last year our smelters showed a fivefold increase over 1890. In 1916 their output will apparently be limited only by the capacity of the copper refineries.

The original forests of the United States have been described as incomparable. It has been estimated that they contained 5,200 billion board feet of merchantable saw timber. The Forest Service estimates the timber now standing at 2,767 billion board feet. Timber is an exhaustible resource because of the slowness with which, even under favorable conditions, it reproduces.

In October the Director of the Bureau of Mines said that we have probably reached the climax of our production of crude oil, adding that the Geological Survey estimates deposits of petroleum as yet undeveloped will scarcely furnish a supply for more than thirty years. If this estimate is correct, our supplies of natural gas may not last so long. Although our other natural resources of the kind in question may not show such speedy exhaustion, they all have the same tendency toward extinction.

Waste Resulting from Early Exploitation.

Something like 10 per cent of the coal in the seam has been said by the Director of the Bureau of Mines, to be lost so far as beneficial utilization is concerned. Millions of barrels of oil have been wasted by being allowed to flow into the streams by being mixed with water, or by evaporation. There has been no such waste in any other mining. My passing into the air from uncontrolled gas wells, from oil wells, from giant flambeaus, from leaking pipe lines, and from many other methods of waste, natural gas is said to be sacrificed at a rate of not less than one billion cubic feet a day, and probably very much more. As for lumber, it has been estimated that only about 35 per cent of the total volume of timber as it stands in the forest now reaches the ultimate consumer. The remaining 65 per cent is lost in stump, sawdust, slabs, trimmings, broken timber, and logs left in the woods.

Fatalities Due to Industrial Accidents.

Present conditions not only produce irreparable waste in materials, but in life and limb. The latest estimates, according to the National Chamber committee, indicate that in the United States each year there are about 25,000 deaths which result from industrial accidents. Over 4,000 of them occur in

mining, coal mining and the lumber industry. In these three industries, 100,000 employees in 1913 the number of fatalities was almost exactly the same as among railway employees, although there were 300,000 more railway employees. In the three industries in question between three and four men at an average in every thousand were killed in 1913. In other words, if a man remained in such an industry for twenty years his chances of being killed during the period would be almost one in ten.

The government supervision which the committee includes in its recommendation, it believes should occur through the Federal Trade Commission, which has facilities for coming to conclusions about the public interest in each case and about the methods of operation and their bearing upon proper conservation and utilization, as well as their efficiency in safeguarding life and limb.

The committee declares that its recommendation that there should be remedial legislation to permit co-operative agreements in those industries which involve primary natural resources, does not constitute a departure from the course of federal legislation. On the contrary it accords with the purpose of enactments of recent years.

Arguments Against Committee Report.

It is the invariable practice of the National Chamber in submitting a referendum to give an abstract of the arguments against the committee report. The main heads of the arguments in the case in question are:

(a) The states and not the federal government have direct jurisdiction over the conditions of work which lead to accidents and exercise such control as is possible over natural resources as they exist in their original condition. To predicate legality of an arrangement subject to federal laws upon conditions of work and management of natural resources involves federal encroachment upon the jurisdiction of the states.

(b) Remedial legislation by the states is required rather than legislation on the part of the federal government.

(c) The committee's recommendation apparently contemplates that reserves of natural resources should continue in private ownership, whereas there are reasons for having reserves held in public ownership.

(d) Changes in the methods and costs of distribution rather than alterations in the conditions of competition are needed.

(e) Larger operating units will be more efficient than co-operation among small operating units.

(f) Standardization of competition and co-operative action now legally permissible can remedy the adverse conditions which now exist.

(g) Attempts to have the present generation pay, in increased prices or otherwise, the cost of preserving resources now unused or unremunerative for future generations may lead to great waste.

This is the seventeenth referendum which has been submitted by the National Chamber to its members. The voting will be completed early in January.

Clean Traveling.



Electric travel does away with the grime, soot and other disagreeable inconveniences that go with usual railroad travel.

You are brought to your destination feeling just as fresh as when you started.

Use the electric line between San Francisco and Oakland and Sacramento, Woodland, Oroville, Colusa and Chico.

Oakland Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

PIERCE-BOSQUIT

Abstract & Tile Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

THE CITY MANAGER PLAN OF MUNICIPAL GOVERNMENT.

A combination of the commission plus city manager would seem to be the ideal. It would eliminate what is regarded as the principal objection to the straight city manager scheme, namely, the fear of one-man power. With the commissioners acting as a group through one controlled executive, the whims or fancies of any one man would be neutralized by the combined judgment of the other members of the commission. Furthermore, if any one member of the board happened to be selfishly interested in the passing of certain acts the passing of every act by the group makes it impossible for any one to put such deals over. In this way the manager would become servant and executor rather than boss.—Canadian Municipal Journal.

BUILDING OF SILOS IN NEW SOUTH WALES.

SYDNEY, Australia, Oct. 24.—Recently the New South Wales Government Department of Agriculture announced that funds would be provided for assisting farmers in the erection of silos, and numerous inquiries have been received, especially from dairy farmers. Many of the applicants have signified their willingness to pay for the silos when they are completed, while others have agreed to pay much larger deposits than was anticipated. Owing to the abundance of rainfall in many districts, silos will greatly benefit dairy farmers by enabling them to conserve the fodder harvested during the rainy seasons.

STOP Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VALUE TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

FAST ELECTRIC TRAINS TO SACRAMENTO

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jet, Pittsburg, Bay Point. Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
*9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
*1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jet, Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

* Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.

OAKLAND, ANTIOCH & EASTERN RAILWAY
Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J. expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 1735.

Cut this out and mail to-day

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____

To the Building and Engineering News
560 Mission Street, San Francisco

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year No. 50.

Publication Office,
560 Mission St.

San Francisco, Cal., December 13, 1916

Telephone Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

**PYROPHOR is a
Tool Steel** which

is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,

San Francisco

Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit

Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Sutter 5231

Member

Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE

68 POST STREET

Foxcroft Building

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfite

838-841 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2007
Oakland, Oakland 6941

THE
Safe Deposit Vaults
of the
BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Gough and Octavia

SAN FRANCISCO, CAL.



Kwoy-eta suppresses those sounds you do not want to hear. It cannot be heard outside the closed bathroom door.

Konveno --- Convenience

The Konveno Tank is a great convenience in the small bathroom. Its top is so constructed that it can be used as an extra shelf upon which to stand those articles that are in constant use.



"Pacific"

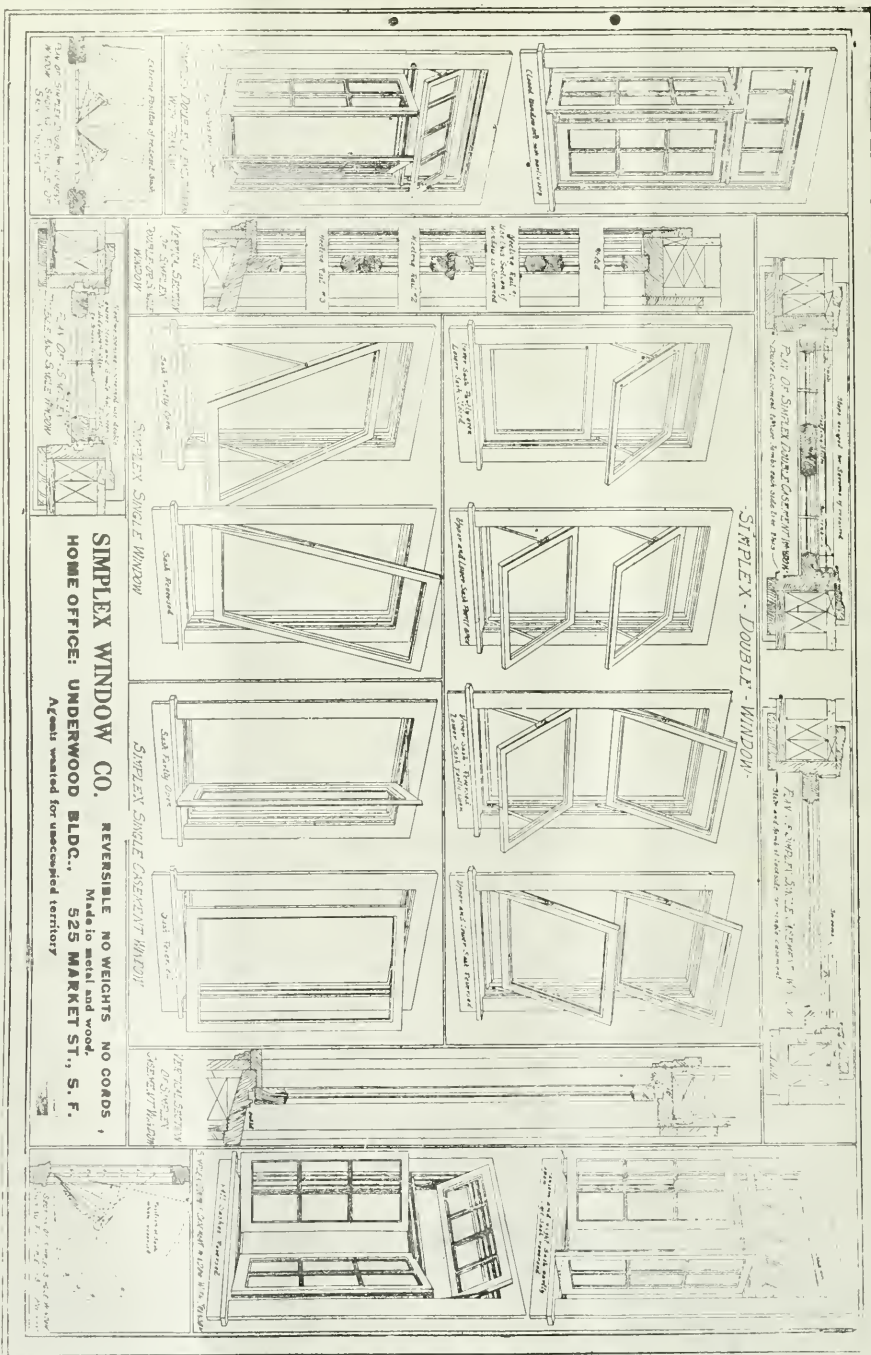


Plumbing Fixtures

For Sale By All Jobbers

Main Offices and Showroom,
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
on the Pacific Coast

Issued Weekly, \$3.00 per year

San Francisco, Cal. December 13, 1916

Sixteenth Year, No. 50



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LARSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates.—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 10c.

SAN FRANCISCO OFFICE
550 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers,
Surveyors, Architects, Contractors
and Municipal Authorities on the
Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland).....	1
Apartment Houses	4
Banks	4
Bonds	4
Bridges, Dams and Harbor Work	1
Churches	1
Factories and Warehouses.....	5
Fire Houses	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	22-23
Garages	5
Government Work and Supplies	5
Halls and Society Buildings.....	5
Hospitals	5-6
Hotels	6
Los Angeles and Southern Cali- fornia	24
Marin, Contra Costa and Sono- ma Counties	21-22
Oakland and Alameda County.....	16-17-18-19-20
Portland and Oregon	25
Residences	6
Sacramento, Stockton and North- ern California	23-24
San Francisco	10-11-12
San Francisco	13-14-15-16
San Jose and the Santa Clara Valley	20-21
Schools	6-7
Scaled Proposals	9
Seattle and Washington.....	24-25
Sewers and Street Work.....	7-8
Stores and Offices	8

PUBLIC EMPLOYMENT BUREAUS OF STATE OF CALIFORNIA.

The report of the Public Employment Bureaus of the State of California, just issued by John P. McLaughlin, labor commissioner, shows that October ranks among the banner months, 5134 having obtained positions, 4494 men and 640 women, during this period, which is 3,609 more than were filled in February, when the State launched in the employment business. The four bureaus, located in San Francisco, Oakland, Sacramento and Los Angeles, found work for about 200 men and women per day during October, and saved them \$10,000 in fees.

The large army of 33,451 men and 5,999 women, 38,550 in all, have been connected with jobs by the state since February 1, and the great majority of them are still holding these positions, which proves the efficiency of the service which the State is rendering. Labor Commissioner McLaughlin and C. B. Sexton, superintendent of the bureaus, are constantly improving the service and studying ways and means whereby the needs of the employer and the employe may be best served. As a result, corporations, companies and private employers are coming to the State in increasing numbers every month and a high class of employes are streaming to the public employment bureaus.

Besides the facilities which the State is now offering its citizens in finding jobs and suitable employes to fill them, an important feature is of course the doing away with fees. On the basis of an average of \$2 which employes are paying private agencies for jobs, the State has, during the past nine months, saved the employes \$77,000 in fees, and at the close of the first year will have saved them \$100,000, or twice as much as the Legislature appropriated for the maintenance of the public employment bureaus.

The San Francisco bureaus filled 2,178 positions during October; Oakland, 713; Sacramento, 1,032; Los Angeles, 1,211; for the past nine months, the record of positions filled held by the four employment bureaus is as follows: San Francisco, 15,104; Oakland, 5,427; Sacramento, 6,435; Los Angeles, 11,587. It was predicted, when the public employment bureau's law was being proposed before the Legislature, that if 10,000 positions were filled in one year, the work would be deemed a success. The above figures show that the San Francisco office alone in nine months went 5,000 better than this figure. Comparing this record with the results obtained by public employment bureaus in other states, California today stands foremost in the United States as a successful exponent of the public employment idea.

Since California launched into the employment business, 26,166 men and

women have made applications for work and employers have applied for 39,625 employes. The State referred 15,159 persons to these positions and the employers accepted 38,550 of them. The remarkably high percentage of persons accepted shows how carefully those in charge of the bureaus study the needs of the employers and size up those who apply for work.

Of course a large number of the positions filled consists of so-called common laborers and section employes, but the State has successfully filled almost every conceivable kind of positions. The following is an interesting resume of the kinds of positions filled by the State during the past nine months: Agriculture, 3563; building and construction, 4583; clerical and professional, 369; food, beverages and tobacco, 287; hotels and restaurants, 4674; lumber and timber trades, 1169; metals and machinery, 809; mining and quarries, 678; transportation and public utilities, 8499; wholesale and retail trades, 950; manufacturing, 700; private homes, 2272; miscellaneous positions, 999.

During the coming winter months, the State will of course face the most difficult phase of the employment problem, as there will be more men looking for jobs than jobs. The employers should make a special effort to send in their orders for help to the State bureaus and they will be supplied with the most suitable help. The public employment bureaus do not deal with the charity problems, believing that these are for charitable associations to take care of, and instead apply only the strictest business principles in the conduct of the employment business, thus insuring the most efficient service possible for the employer and the employe.

AMERICAN COTTON GOODS GAIN IN AUSTRALIA.

The "Australian Traveler" of October 4 comments upon the increase in the importation of cotton cloth from the United States during the fiscal year, stating that American goods are replacing those of European origin. According to figures supplied by Commercial Attache Philip B. Kennedy, of Melbourne, Australia's cotton-cloth imports from the United States for the fiscal year ending July 1, 1916, totaled \$1,708,800 in value, as compared to \$880,320 for the preceding twelve-month.

HAVE YOU ONE IN YOUR HOME?

A pipe organ has been installed in a private residence in Nyack, New York, provided with an automatic arrangement which will set the organ going at a certain hour in the morning thus awakening the household with music.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES.

OAKLAND, CAL.—Apartment house and rooms, 4 story and base, reinforced concrete. Cost not stated. Architect, William Knowles, Hearst Bldg., S. F. Owner's name withheld. Location, north 17th street east Broadway. Will contain apartments of two and three rooms on the upper floor and a number of single rooms on the other floors. Plans complete and figures being taken.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, \$12,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, R. H. Bradshaw. Location 66th and Telegraph. Will contain stores on the first floor and six three-room suites on the upper floor. Plans complete and segregated figures being taken by the owner.

SAN JOSE, SANTA CLARA CO., CAL.—Apartment house, 3 story and base, frame, \$35,000. Architect, Charles S. McKenzie, Bank of San Jose Bldg., San Jose. Owner, Mr. Phillips. Location, near St. James Park. Will contain a number of two, three and four room apartments. Plans complete and figures being taken.

SAN FRANCISCO.—Apartment house, 3 story and base, frame, \$24,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. Location, south 17th 30 feet west of Church. Will contain 21 apartments of two and three rooms. Plans complete and figures being taken.

BANKS

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Bank, 2 story and base, brick and steel, \$10,000. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owners, Bank of South San Francisco. Will cover an area of 50 by 90 feet. Plans complete and figures being taken.

BONDS.

UTAH, MENDOCINO CO., CAL.—The Trustees of the Utah Union High School District are considering a \$75,000 school bond issue to erect a new high school building. The present building is inadequate.

MARYSVILLE, YUBA CO., CAL.—The report of W. H. Lynch, highway engineer sent to Yuba County by the U. S. Department of Agriculture to investigate road building, in compliance with a request of the County Supervisors, has been received and read. The report has been passed by the office of Public Roads and Rural Engineering of the U. S. Department of Agriculture at Washington.

Lynch's summary of the cost of the proposed county system is \$460,000, divided as follows: Marysville-Oroville, \$150,000; Marysville-Nevada County line, \$175,000; Marysville and Dobbins, \$90,000; Laporte, \$35,000.

Butte County line to Camptonville, \$10,000.

Lynch also recommends the use of concrete with an asphaltic oil top.

WOODLAND, YOLO CO., CAL.—The County Supervisors have instructed County Surveyor Proctor to commence the necessary surveys for the building of a system of permanent county highways. The estimated cost of the system is placed at \$1,250,000, funds for which will be provided for by a bond issue.

BAKERSFIELD, KERN CO., CAL.—The Kern County Supervisors have sold one-half million dollars worth of county highway bonds to Byrne & McDonnell.

FRESNO, FRESNO CO., CAL.—Action has been taken and a \$125,000 building for the Y. M. C. A. is probable for Fresno before the close of next year. Geo. C. Roeding of Fresno is interested in the proposed structure.

TACOMA, WASH.—Under an agreement between the Secretary of War and a committee of Tacoma men, the Commissioners of Pierce County will call a special election, probably January 6th, to vote a bond issue of \$2,000,000 with which to buy several thousand acres on the Nisqually plains for an army post.

THE DALLES, ORE.—The bond issue of \$26,000 for highway construction has been voted and J. A. Elliott, engineer, will complete final data within the next few weeks.

POMONA, LOS ANGELES CO., CAL.—For the construction of pavements, storm drains and curbs, a \$200,000 bond issue has been taken under consideration.

PRUSSER, WASH.—The County Commissioners have decided to call an election to vote bonds in the sum of \$125,000 for the construction of a new court house.

SEATTLE, WASH. By a safe majority bonds in the sum of \$1,080,000 for the purchase of sites and erection of new school buildings were carried at the special school and port election held in this city recently.

This amount will probably be expended in the construction of seven buildings although the selections have not been made as yet. Locations considered so far for grade schools are: Seward district, Whitworth, Columbia, Dunlap, and Interbay and would cost \$75,000 to \$100,000 each. Two high schools are also considered to cost \$250,000 each.

Edgar Hain, as school architect, will handle the construction details.

BRIDGES AND DAMS.

SAN FRANCISCO.—Pier, concrete and timber. Cost not stated. Engineer, Chief Engineer, Ferry Bldg., S. F. Owners, State of California. The State Board of Harbor Commissioners has approved plans for Pier No. 3 to be

erected at the foot of Washington. The new structure will be 700 by 135 feet and will be carried on concrete piles. Bids will be called for as soon as the plans receive the approval of the State Advisory Board.

Contract Awarded.

SAN JOSE, SANTA CLARA CO., CAL.—Bridge, reinforced concrete. Cost as follows. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. At the last meeting of the County Supervisors, the contract for the construction of one reinforced concrete bridge on Alviso and Mountain View road on the line between Supervisor Districts Nos. 4 and 5 was awarded to R. H. Jamison, Coffin road, Santa Clara for the sum of \$860.

HANFORD, KINGS CO., CAL.—Bridges, timber and concrete. Cost as follows. Engineer, County Surveyor, Hanford. Owners, Kings County. J. E. Hines of Tulare, Tulare County, has been awarded the contract for the construction of a three-pile bridge to span Cross Creek northwest of Corcoran or the county improved highway. Mr. Hines' Bids were: Trestle No. 1, \$1,000; trestle No. 2, \$1,350; trestle No. 3, \$850. Bids were also opened for the construction of a reinforced concrete bridge over the Last Chance canal four miles west of this city. On this work the Adell-Cornright Concrete Pipe Co. of Hanford, was the successful bidder.

CHURCHES.

SAN FRANCISCO.—Church, 1 story and base, frame, \$2,500. Architect none. Owners, Roman Catholic Church. Location, north California west Walnut covering an area of 20 by 90 feet. Will contain main auditorium and Sunday school rooms. Plans complete and work to be done by Day Labor.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO.—Factory, 4 story and base. Class C construction, \$40,000. Architect, Edward G. Garden, Phelan Bldg., S. F. Owner's name withheld. Location, First and Folsom streets. Will cover a considerable ground area. Plan include automatic conveyors and sprinkler system. Plans complete and figures being taken.

OAKLAND, CAL.—Laundry, 1 story brick and frame. Cost not stated. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owners, Oakland Laundry Co. Location, 29th street between Grove and San Pablo. Will cover an area of 26 by 150 feet. Two brick walls. Plans complete and figures being taken.

LOS ANGELES, CAL.—Auto manufacturing plant, J. W. Eisenhut president of the Eisenhut Motor Co. has applied to the Harbor Commission for a lease on a site of 70 acres at Los Angeles Harbor on which the company proposes to construct a manufacturing

GARAGES

lant to cost \$16,000,000. Options have been secured on adjoining property and the factory will occupy a total of 105 acres. The company will manufacture automobiles, auto trucks, and gas engines. Mr. Eisenhuth lives at the Angelus Hotel and states that the project has been financed by eastern capital.

HUNTINGTON PARK, LOS ANGELES 2, O., CAL.—Factory group, 1 and 2 story, frame and corrugated iron, \$100,000. Architects, Peoples & Cheney, taas Bldg., L. A. Owners, Warman Steel Casting Co. The new plant will consist of a main foundry building, 113 by 240 feet in size 40 feet high, quipped with a tention traveling crane with a 50-foot span; a pattern shop, 40 by 60 feet; storage room, 40 by 40 feet, and an office building, 24 by 30 feet in size. All the buildings will be of frame and corrugated iron construction with concrete foundations, galvanized and corrugated iron sides, composition roofing, ventilators, steel and wood frame work. Three electric furnaces and a special oxy-acetylene welding plant will be installed. Plans are complete and figures being taken.

Contract Awarded.

LOS ANGELES, CAL.—Warehouse, 5 story and base, reinforced concrete, \$75,000. Architect, John Parkinson, Security Bldg., L. A. Owners, Joannes Bros. Contractors, Leonard & Peck, H. W. Hellman Bldg., L. A. Contract price, \$75,000.

SAN FRANCISCO—Factory, 1 story and base, mill construction. Cost not stated. Architects, Ward & Blohme, Alaska-Commercial Bldg., S. F. Owners, H. N. Cook Belting Co. Location, Fremont and Howard streets, covering an area of 50 by 120 feet. Preliminary plans only prepared.

FIRE HOUSES AND JAILS.

SAN RAFAEL, MARIN CO., CAL.—Fire house, 2 story and base, reinforced concrete, \$12,000. Architect, Masten & Loubet, First National Bank Bldg., S. F. Owners, City of San Rafael. Will contain apparatus room and living quarters. Plans complete and figures being taken. Bids open on December 22nd. Plans from either the architects or City Clerk.

VISALIA, TULARE CO., CAL.—Jail alterations and additions, 2 story and base, reinforced concrete, \$45,000. Architect, Ernest Kump, Rowell Bldg., Fresno. Owners, Visalia County. Work will consist of concrete, masonry, carpentry work, electric work, plumbing and heating and structural steel work. New cell blocks will also be installed. Plans are complete and figures being taken. Bids open on January 5th. Plans can be secured from the County Clerk or the office of the architect.

FLATS.

SAN FRANCISCO—Flats, 3 story and base, frame, \$6,000. Architect, none. Owner, F. C. Amoroso, 1246 Kearny street, S. F. Location, east Kearny south Union, covering an area of 25 by 69 feet. Will contain three flats of five rooms each. Plans complete and work to be done by Day Labor.

BAKERSFIELD, KERN CO., CAL.—Garage, 1 story and base, brick. Cost not stated. Architect, J. M. Saffell, New Fish Bldg., Bakersfield. Owner, George Haberfelde (Ford Agent). Will cover an area of 115 by 261 feet. Plans are being prepared.

Contract Awarded.

TAFT, KERN CO., CAL.—Garage, 1 story and base, hollow tile, \$11,100. Architect, J. M. Saffell, New Fish Bldg., Bakersfield. Owner, George Haberfelde. Contractors, Parlier & Green, Tulare. Contract price, \$11,100.

SAN FRANCISCO—Auto sales room and garage, 3 story and base, brick and concrete, \$45,000. Architect, none. Owner, Leo Gillig, Contractors, Barrett & Hlip, Sharon Bldg., S. F. Contract price, \$45,000.

GOVERNMENT WORK & SUPPLIES.

Vancouver, Wash., Post Office.

As previously reported, the contract for the construction complete of the U. S. post office at Vancouver, Wash., has been awarded to the Campbell Building Co., Salt Lake City, Utah, at \$82,487. In the construction of the building, fixtures and material manufactured by the following firms will be used: Plumbing fixtures, Crane Co.; column radiators, American Radiator Co.; wall radiators, do; non-conducting coverings, Johns-Manville Co.; radiator valves Crane Co.; damper regulator, American Radiator Co.; air valves and radiators for hot water tank, Hoffman Specialty Co.; air valves for end of steam mains, do; cabinet and tablet, NePage-McKenny Co.; conduit, National Metal Molding Co.; rubber covered wire, Simplex Wire & Cable Co.; flush switches, Hart & Hegeman Mfg. Co.

Pearl Harbor, Jib Crane.

The following bids were received at the bureau of yards and docks, Navy Department, Washington, D. C., for furnishing 1 locomotive jib crane of 50 gross tons capacity, at the Naval Station, Pearl Harbor, Hawaii:

Item 1, electric crane as specified; 2, do, bidder's specifications; 3, steam crane as specified; 4, bidder's specification.

McMyler Interstate Co., New Bedford, Ohio, item 2, \$159,385; 4, \$155,552.

Victor R. Browning & Co., 17701 Lake Shore Blvd., Cleveland, Ohio, item 2, \$94,852; time, 547 days.

Billings, Mont., Plastering.

All bids received by the supervising architect, Washington, D. C., for painting plastering in the U. S. post office at Billings, Mont., have been rejected as excessive.

Fort Flagler, Sewer.

Bids for constructing outlet sewer at Fort Flagler, Wash., were received by the quartermaster, Fort Worden, Wash., as follows:

Item 1, type No. 1, 6-inch galvanized steel pipe with reinforced concrete pipe supports and piers.

2, type No. 2, 6-inch galvanized steel pipe, with pile supports and rock embankment.

3, type No. 3, 6-inch cast iron pipe with pile supports and rock embankment.

1, type No. 1, 6-inch galvanized steel pipe with reinforced concrete pipe supports and piers, \$3,210.
2, type No. 2, 6-inch galvanized steel pipe with pile supports and rock embankment, \$3,750.
3, type No. 3, 6-inch cast iron pipe with pile supports and rock embankment, \$3,750.

Puget Sound, Boat.

1, type No. 1, 6-inch galvanized steel pipe with reinforced concrete pipe supports and piers, \$3,210.
2, type No. 2, 6-inch galvanized steel pipe with pile supports and rock embankment, \$3,750.
3, type No. 3, 6-inch cast iron pipe with pile supports and rock embankment, \$3,750.

Boise, Idaho, Wiring, Etc.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., November 24, for new system of conduits and wiring and alterations in heating system in the U. S. post office at Boise, Idaho:

Idaho Electric Supply Co., Boise, Idaho, \$616.15, 90 days.

J. L. Powers, Bennettville, S. C., \$3,300, 120 days.

Pop Electric Co., Boise, Idaho, \$1,320, 120 days.

Noland-Chifford Co., Newport News, Va., \$2,885, 120 days.

Denver, Colo., Repair Work.

The contract for constructing new stairway, etc. in the U. S. post office at Denver, Colo., has been awarded to Larkhardt & Son, 1101 Market street, Denver, Colo., \$1,208, time, 40 days.

HALLS AND SOCIETY BUILDINGS.

VISALIA, TULARE CO., CAL.—Lodge hall and stores, 3 story and base, brick, \$85,000. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, Visalia Lodge of Elks. Location, Main and Locust streets. Will contain stores on the first floor and lodge halls and living apartments on the upper floors. Plans approved and figures to be called for shortly.

HOSPITALS.

SAN FRANCISCO—Completion of pathological ward, \$13,987. Architect, August G. Headman, Cal-Post Bldg., S. F. Owners, City and County of San Francisco. Monson Bros. submitted the lowest bid for the completion of the second floor of the pathological ward and will probably be awarded the contract. A complete list of these figures appears under the heading of Bids Opened in this issue.

TURLOCK, STANISLAUS CO., CAL.—Hospital, story and base, brick, \$20,000. Architect, O. C. Edberg, Turlock. Owners, Swedish Mission Church, Rev. A. G. Delbon, 710 West Main street, Turlock, in charge. Will contain both wards and private rooms, operating room and office. Plans complete and figures to be opened on December 19th. Plans from Rev. Delbon.

LOS ANGELES, CAL.—Hospital wards, etc., 5, 1 and 1, 2 story, brick and concrete. Cost not stated. Engineer, John Schulz, L. A. Owners, Los Angeles County. Location, County Hospital site. Each of the one-story buildings will contain accommodations for 16 patients. The two-story building will be used for a dining hall and ma-

ternity ward. Plans complete and figures being taken. Bids open on January 8th.

LOS ANGELES, CAL.—Hospital, 1 story and base, frame and plaster. Cost not stated. Architect, E. M. Drake, 12 A. Owners, Seventh Day Adventists. Location, block bounded by Boyle avenue, Bally street, New Jersey and Michigan. Main portion will cover an area of 110 by 34 feet with two wings each 33 by 30 feet. Plans complete and work under way under the direction of Superintendent J. W. Cartwright, Carter Apartments, L. A.

SAN FRANCISCO—Hospital lighting fixtures, \$1,875. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. Contractor, J. W. Burtchall, 367 Ellis street, lighting fixtures for central emergency hospital, Contract price, \$1,875.

OAKLAND, CAL.—Hospital cottages, 6, 1 story and base, frame and concrete, \$104,690. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Contractor, W. G. Thornally, 2027 East 16th street, Oakland. Contract price, \$104,690. A complete list of these figures will be found under the heading of Bids Opened in this issue.

HOTELS.

FRESNO, FRESNO CO., CAL.—Hotel addition, 1 story, brick. Cost not stated. Architect, none. Owners, Fresno Hotel and Investment Co. Location, I and Merced streets. The new addition will contain forty rooms and the same number of baths. Plans are being prepared. Further information may be had from H. Wingate Lake, Manager of the Fresno Hotel.

SAN FRANCISCO—Hotel, 3 story and base, brick, \$12,000. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, Dr. Leon. Location, Clay near Powell, covering an area of 25 by 90 feet. Will contain 24 rooms, 3 baths and some kitchens. Plans complete and figures being taken.

RESIDENCES.

SAN FRANCISCO—Residences, 5, 2 story and base frame, \$3,000 each. Architect, none. Owner, C. S. Alfred, 150 Onondago street S. F. Location, northeast 24th avenue and Cabrillo. Each dwelling will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, John M. Peters, 1810 Balboa St., S. F. Location, west 12th avenue south Cabrillo. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$10,000. Architect, Matthew O'Brien, Foxcroft Bldg., S. F. Owner, Michael Casey. Location, 15th and Sanchez. Will contain ten rooms, three baths and basement garage. Revised plans complete and new figures being taken.

SAN FRANCISCO—Residence, 1 story and base, frame, \$4,000. Architect, A. W. Smith, 1010 Broadway, Oakland. Owners, Barrett & Hilp, Sharon Bldg., S. F. Location, east Miramar north

Southwood. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base frame, \$2,500. Architect, none. Owner, R. A. Hutchinson, 470 13th St., Oakland. Location, south Jean west Santa Clara. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences 2, 1 story and base, frame, \$2,500. Architect, none. Owner, Edward Larmer, 470 Boulevard Way, Oakland. Location, east Arbor avenue north Hudson. Each house will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 3, 1 story and base, frame, \$1,000 each. Architect, none. Owner, R. N. Thode, Richmond. Location, 1114, 1116 and 1118 Addison street. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, C. E. Sinclair, Y. M. C. A. Bldg., Berkeley. Location, east Fresno south Solano. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$1,000 each. Architect, none. Owner, Howard Nethel, 354 Porter street, Oakland. Location, east 51st avenue north East 10th street. Each house will contain four rooms and bath. Plans complete and work to be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residences, 300 1 story and base, frame, \$2,000 each. Architect, none. Owners, J. L. Slater and W. H. Graham. Superintendent, F. W. Thaxter, 3024 Regent street, Berkeley. Location, Encinal avenue between Broadway and Versailles. Each house will contain five rooms, bath and sleeping porch. Extensive street work and landscape gardening will also be included in the project. Plans being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,000. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owner, Mrs. Smith. Location, Rockridge. Will contain six rooms, bath and sleeping porch. Plans being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$5,000. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, C. L. Belt. Location, east Greenwood avenue north Brighton. Will contain six rooms, two baths and separate garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, J. F. Whalen, 1748 Broadway, Oakland. Location, west Opal north 41st street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Owner, R. Oates, 1550 Vista street, Oakland. Location, west 64th avenue south Hayes. Each house will contain five rooms, bath and sleep-

ing porch. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Residence, 2 story and base, brick and plaster, \$20,000. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, Mr. Miller, 420 Security Bldg., L. A. Location, Oxford avenue between Wildshire and 7th street. Will contain fourteen rooms, four baths and sleeping porches. Plans complete and bids being taken by the owner.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, H. Joutsen, 1012 Allston Way, Berkeley. Location, Allston Way and 16th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Residence, 2 story and base, frame and plaster. Cost not stated. Architects, Alfred W. Rea and Charles E. Garstang, Black Bldg., L. A. Owner, Mrs. Mary S. Beeman. Location, Oxford avenue between 4th and 5th streets. Will contain fourteen rooms, three baths and sleeping porch. Separate garage. Plans being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,500. Architect, E. W. Cannon, Central Bank Bldg., Oakland. Owner, Stuart McGee. Location, Lakewood Park. Will contain six rooms, bath and sleeping porch. Plans being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residences, 2, 1 story and base, frame, \$2,000 each. Architect, none. Owner, E. A. Janssen, Hearst Bldg., S. F. Location, north Beverly Place east Monterey. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$7,500. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owner, W. C. Oesting. Location, Washington near Hyde. Will contain seven rooms, two baths and basement garage. Plans complete and figures being taken.

SCHOOLS.

VALLEJO, SOLANO CO., CAL.—School fire escapes. Cost not stated. Architect, none. Owners, City of Vallejo. Bids will be opened on December 27th for furnishing and installing fire escapes on the Lincoln Grammar School building. Plans can be secured from James H. Topley, Chairman of the Buildings and Grounds Committee, Vallejo.

RICHMOND, CONTRA COSTA CO., CAL.—School addition, 2 story and brick, \$20,000. Architect, James T. Nabeth, Richmond. Owners, City of Richmond. A complete list of the bids opened for this work will be found under the heading of Bids Opened in this issue.

UNEAU, ALASKA—School, 2 story and base, reinforced concrete, \$75,000. Architect, Harlan Thomas, Arcade Bldg., Seattle, Wash. Owners, City of Juneau. Will contain both high school and grammar school grades. Plans being prepared.

ASTORIA, ORE.—School, 2 story and base, concrete and brick, \$56,400. Architects, Whitehouse & Foulhoux, Portland. Owners, City of Astoria. The Astoria Construction Co., Astoria, sub-

The improvement of the south side of Bernard street, between Taylor and Jones streets, by the construction of

official concrete sidewalks of the full official width from Taylor street 68 feet 6 inches westerly. Awarded to D. J. Conihhan for \$37.85.

SACRAMENTO, CAL.—Street improvements: Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contracts for street improvements have been awarded under the following resolutions: That the alley first north of California Boulevard, in Elmhurst in the city of Sacramento, be improved from Helvetia avenue to Elmhurst avenue, by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer.

That Marshall avenue near California Boulevard in Elmhurst, in the city of Sacramento, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer.

That Monterey avenue near California Boulevard in Elmhurst be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer.

That San Diego avenue, in Elmhurst, be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer, backfilling the trenches; constructing 8 concrete manholes complete; one 6-inch, vitrified, ironstone flusher branch complete; placing 14 6-inch, vitrified, ironstone Y branches on 5-inch pipe sewer; placing 14 6-inch, vitrified, ironstone Y branches on 10-inch pipe sewer. Awarded to Joe Lawrence, Broderick, Cal.

That the three alleys between 2nd avenue and 3rd avenue in West Curtis Oaks be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer from the north line of 3rd avenue to a point 7 feet north from the south line of 2nd avenue. In each of the following named alleys: The alley first west of 22nd avenue the alley between 22nd avenue and 23rd avenue, and the alley between 23rd avenue and 24th avenue, etc. Constructing six concrete manholes complete; placing 66 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer; placing 2 6-inch, vitrified, ironstone flusher branches complete; replacing 450 square feet of oil macadam pavement, doing all necessary excavation and backfilling of trenches and leaving streets and alleys in their original condition. Awarded to Joe Lawrence.

That the alley first south of 4th avenue in West Curtis Oaks Addition be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer; constructing five concrete manholes, complete; placing 33 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and backfilling the trench. Awarded to Joe Lawrence.

That Central avenue in Oak Grove be improved by excavating a trench and constructing therein an 8-inch, vitrified, ironstone pipe sewer, constructing one concrete manhole complete, and backfilling the trench. Awarded to Joe Lawrence.

That the alley between Stanley avenue and Cluness avenue, and that the alley between Cluness avenue and Birdall avenue, and that the alley between Hatley avenue and McFarland avenue, in Wright & Kimbrough Tract No. 21, be improved by constructing therein

an 8-inch, vitrified, ironstone pipe sewer; five concrete manholes complete; placing 36 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and doing all necessary excavating and backfilling of trenches. Awarded to Joe Lawrence.

That portions of 25th street be improved by grading the space between the property line and curb and constructing concrete sidewalks. Awarded to A. Olson, 2721 First avenue Sacramento, Cal.

That the alley between Carmelo avenue and Manzilla avenue be improved by excavating a trench and constructing an 8-inch, vitrified, ironstone pipe sewer, two concrete manholes complete; placing 21 6-inch, vitrified, ironstone Y branches on 8-inch pipe sewer and backfilling the trench. Awarded to W. J. Tobin, 735 Filbert street, Oakland.

That the easement granted to the city of Sacramento for the purpose of constructing therein a sewer on the southerly three feet of lots 145 to 173 inclusive, between 3rd avenue and 4th avenue in West Curtis Oaks Addition, be improved by constructing therein an 8-inch, vitrified, ironstone pipe sewer; four concrete manholes complete; placing one flusher branch complete; placing 59 6-inch, vitrified, ironstone Y branches on 8-inch, vitrified, ironstone pipe sewer and backfilling the trench. Awarded to J. W. Terrell, 1111 29th street, Sacramento.

SAN RAFAEL, MARIN CO., CAL.—Road construction. Cost as follows. Engineer, County Surveyor, San Rafael. Owners, Marin County. The County Supervisors have awarded to S. T. Brownlee, County Road, Kentfield, two contracts, one providing for the widening and improvement of the roadbed between the summit of Bolinas Ridge and Bolinas Bay, for \$9,000; the other for \$15,000 providing for a new grade to eliminate the dangerous curves and dips of the present road along the east side of Tomales Bay in the vicinity of Marshalls.

SAN JOSE, SANTA CLARA CO., CAL.—Drainage ditch and culvert. Cost as follows. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. At the last meeting of the County Supervisors, the contract for the construction of the Foxworthy drainage ditch, also construction of a reinforced concrete culvert on Plummer avenue, was awarded to the Raich Improvement Co., 1108 Crocker Bldg., S. F., for the sum of \$11,790.

UPLAND, SAN BERNARDINO CO., CAL.—Street improvements, \$25,305. Engineer, City Engineer, Upland. Owners, City of Upland. Contractors, W. C. Cline and E. Robbins, Upland. Contract price, \$25,305.

STORES AND OFFICES.

BERKELEY, ALAMEDA CO., CAL.—Stores, 1 story and base, frame, \$2,500. Architect, Eugene K. Martin, 2102 Shattuck avenue, Berkeley. Owner, E. C. Corry, 2745 Elmwood avenue, Berkeley. Location, east College north Ashby. Will contain three small stores. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Store alterations, 1 story, frame, \$3,500. Architect, Henry Shermund, Mills Bldg., S. F. Owners,

Deeley's Pharmacy. Location, Ninth avenue and I street. Work will consist of plastering, speed mill work, cabinet work and store fixtures, new patent store fronts and marble bases. Plans complete and figures being taken.

SAN FRANCISCO—Stores and offices, 4 story and base. Class A construction. Cost not stated. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owners, San Francisco Stock and Bond Exchange. Location, West Montgomery north Pine. Preliminary sketches only have been prepared and details cannot be given at this time. Further mention will be made of the work.

TURLOCK, STANISLAUS CO., CAL.—Stores, 1 story and base, brick, \$10,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, Anderson, Chatum & Fernando. Will cover an area of 25 by 80 feet and contain three stores. Plans are being prepared.

LOS ANGELES, CAL.—Stores and lofts, 2 story and base. Class A construction. Cost not stated. Architects, Pierpont and Walter S. Davis, Exchange Bldg., L. A. Owners, Rowan Estate and O. H. Churchill Co. Location, northwest Sixth and Broadway. Will contain stores on the first floor and lofts above. Plans are being prepared.

LOS ANGELES, CAL.—Stores and lofts, 2, 10 story and base. Class A construction, \$350,000. Architects, Frank L. Stiff, Van Nuys Bldg., and George W. Harding, H. W. Hellman Bldg., L. A. Owner, M. J. Connell. Location, Los Angeles, between 7th and 8th streets, covering an area of 62 by 167 feet. Plans are being prepared.

Contract Awarded.

SAN FRANCISCO—Store alterations. Class A construction, \$2,000. Architects, Reid Bros., California-Pacific Bldg., S. F. Owner, Ansel M. Easton. Contractors, Stockholm & Allyn, Monadnock Bldg., S. F. Contract price, \$2,000.

LOS ANGELES, CAL.—Department store, 6 story and base. Class A construction. Cost not stated. Architect, John Parkinson, Security Bldg., L. A. Owner, Arthur H. Fleming, leased to the Blackstone Dry Goods Co. Location, southwest 9th and Broadway. Contractor, Weymouth Crowell, 902 South Alvarado street, L. A. Contract price not stated.

PORTLAND, ORE.—Stores and restaurant, 3 story and base, reinforced concrete. Cost not stated. Architect, John V. Bennes, Chamber of Commerce Bldg., Portland. Owners, Hexter & Strauss. Contractors, Litherland & Abrey, Beck Bldg., Portland. Contract price not stated.

THEATRES.

CHICO, BUTTE CO., CAL.—Theatre alterations, brick and concrete. Cost not stated. Architect, Chester Cole, Waterland Bldg., Chico. Owner, John Kinning. Location, Broadway near Second. Work will consist of new interior trim, installation of a ventilating system and electric wiring. Plans are being prepared.

MONTE RIO, SONOMA CO., CAL.—Theatre, 1 story and base, concrete and frame. Cost not stated. Architect, none. Owner, Leland S. Murphy. De-

signed for a motion picture theatre seating about 20. Plans are being prepared.

LOS ANGELES, CAL. Theatre, 1 story and base, frame and concrete, \$25,000. Architect, S. Tilden Norton, Title Insurance Bldg., 12 A. Owners, The Cleo Madison Film Co. Location, Boyle and Stevenson avenues, covering an eight acre site. Plans are being prepared.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

OFFICE OF THE BOARD OF STATE Harbor Commissioners, Union Depot and Ferry House, San Francisco, December 2nd, 1916.

Sealed proposals or bids will be received at this office at or prior to 11 o'clock A. M. on Thursday, December 14, 1916, for furnishing all materials and labor necessary for raising and repairing the bulkhead of the bulkhead wharf at Sections 9 A and 9 B of the seawall on the waterfront of the City and County of San Francisco, in accordance with the plans and specifications prepared therefor by the Chief Engineer of the Board and adopted by the Board November 20th, 1916 and on file in this office to which special reference is hereby made.

The materials used in this work must be of the best of their respective kinds, if not especially specified herein. All material used in presenting this work will be subjected to a rigid examination and test, and if found defective, undersize, unsuitable, or otherwise not conforming to the specifications, will be condemned and must be immediately removed from the work by the Contractor at his expense. Materials may be rejected at any time for defects which may be disclosed, or which may develop in the course of the work notwithstanding any previous test or inspection and removed by the Contractor as indicated above. The cement will be furnished to the Contractor by the Board and will be delivered f. o. b. cars on the Belt Railroad.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal, to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded and if the bidder shall fail or neglect to execute the contract and give the bond required within ten (10) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for said failure and neglect and shall be paid into the San Francisco Harbor Improvement.

The Contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a corporation, thereto duly authorized by a law, and commonly known as a surety company, as surety, and conditions for the faithful performance by the Contractor of all the terms and conditions of the contract according to the intent and meaning thereof. Said bond shall also provide that if the Contractor, person or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done or for any work or labor done thereon or any bond or labor done by the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made by and to the benefit of the Contractor, men, mechanics and laborers as provided by and under the act of the legislature of the State of California approved May 1, 1911 (Statutes 1911 p. 1122). Said bond must be acceptable to and approved by said Board as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or the Assistant Secretary at the office of the Secretary, Room No. 17, Union Depot and Ferry House, at 11 o'clock A. M. on Thursday, December 14, 1916, at which time and place the bids will be opened. The Board reserves the right to re-

ject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of bids.

Plans and specifications of this work to be bid at Room 13, Union Depot and Ferry House upon depositing \$10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelop containing bid "Bid for raising and repairing a portion of the bulkhead wharf at Sections 9 A and 9 B of the seawall."

J. Dwyer,
THOMAS S. WILLIAMS,
J. H. McCallum,
Board of State Harbor Commissioners,
FRANK G. WHITE,
Chief Engineer,
LEO V. MEYLE, JR.,
Secretary. (*)

SALE OF MATERIAL.

SALE—Proposals for the Purchase of Generator Sets, Boilers, Air Compressors, Crane, Smokestacks, Air Tanks, Boiler Feed Pump, Switchboard Equipment, Pipe Fittings, Feed Roller Heater and Hot Water Heater Offered for Sale by the Panama Canal. Sealed proposals will be received at the office of the assistant purchasing agent, Panama Canal, 24 State street, New York City, until 2 p. m. January 3, 1917, at which time they will be opened in public, for furnishing the above mentioned material. Plans and general information relating to this sale may be obtained from the above office. R. E. RUTHERFORD, assistant purchasing agent.

PROPOSALS FOR GATES, ETC.

GATES AND STANDS. Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received by the United States Reclamation Service, Denver, Colo., until 2 o'clock p. m. December 20, 1916, and will at that hour be opened, for furnishing cast iron gates and gate stands for the Rio Grande project, New Mexico-Texas. About 12,000 lb. metal work will be required. For particulars address the United States Reclamation Service, Denver, Colo., or El Paso, Tex. A. P. DAVIS, chief engineer.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT. Supervising Architect's Office, Washington, D. C., November 21, 1916.—**SEALED PROPOSALS** will be opened in this office at 3 P. M., December 22, 1916, for the construction complete of the United States Post Office at Bakersfield, California. Drawings and specifications may be obtained at November 25, 1916, from the Custodian of site at Bakersfield, California, or at this office, in the discretion of the Acting Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect. (*)

GOVERNMENT PLANS Kelp POTASH PLANT.

A plant on a commercial scale will be built by the Department of Agriculture for the conduct of experimental work in the production of potash from kelp, an appropriation of \$175,000 for the purpose having been made at the last session of Congress. Two locations are under consideration, one near Santa Barbara, and the other near Long Beach, California. It is expected that a definite location for the department's factory will be selected shortly and that the work of constructing the plant will begin soon afterward.

The plans call for a plant capable of handling approximately 200 tons of wet kelp per day. Electric power probably will be used for all mechanical operations, while heat for drying and distillation will be furnished by crude petroleum. The equipment will consist of drying kilns, distilling chambers, vats,

handling machinery, and the necessary buildings to house this apparatus.

From the 200 tons of kelp used daily about five tons of muriate of potash will be manufactured. The product will be sold and the proceeds turned into the United States treasury. The primary purpose of the plant will be to determine the most economical processes for producing potash from kelp and to work out methods for the recovery and utilization of by-products. Numerous methods will be employed experimentally in operating the factory with this end in view. For the most part, however, the department will depend on distillation processes.

MADERA IRRIGATION.

MADERA, Cal. An agreement has been reached between the Miller & Lux corporation and the proposed irrigation district by which a sum of \$10,000 is to be raised by popular subscription and the preliminary survey necessary before the project can be organized shall be made. The survey will embrace the dam site on the San Joaquin and different reservoir sites with estimated cost. It was definitely stated at a meeting of the water bureau that it assures the proposed district enough flood water to irrigate 275,000 acres during the season when water is needed.

COUNTRY EDITORS TO BE SHOWN SIGHTS BY MANUFACTURERS.

"The High Cost of Living, in California at least, will be materially cut down within the next few years," declared Attorney Albert H. Elliot, speaking for the Electrical interests of the State at the weekly luncheon-meeting of the Home Industry League of California, held yesterday noon at the Palace Hotel. "This will be brought about," Elliot insisted, "by the rapidly materializing revolution now going on in California factory buildings, where expensive coal and wood, hitherto used in the manufacture of costly steam, are both rapidly giving away to cheap electricity generated inexpensively through the power of the State's numerous mountain streams."

According to Elliot, every factory wheel in California will, inside of ten years, be turned exclusively by low-priced electricity instead of high priced steam. Only ten per cent of the available electric power latent in California waters is now being really used; and fully twice as much use could economically be made of the State's electricity as is actually done today. Elliot demanded that big advertising campaign be instituted to educate the people of the State into a fuller realization of how much better off each would be financially, as well as enjoy many more comforts of life, if the subject of electrical appliances were given more study on the part of the man and woman in the street.

It was decided at the League meeting that the members and their ladies co-operate with the Chamber of Commerce on Saturday afternoon in furnishing automobiles and guides to take the members of the California Press Association around the city, to show them the development of San Francisco since the close of the Exposition.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO.

STREET IMPROVEMENTS—Cost not stated. San Francisco. Engineer, City Engineer City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened on December 20th for street improvements authorized under the following resolutions: The improvement of Jansen street between Greenwich and Lombard streets by the construction of artificial stone sidewalks.

The improvement of Coleridge street, between Esmeralda avenue, produced, and Fair avenue, where not already improved, by the construction of granite curbs, basalt block gutters, a basalt block pavement on sand with a gravel filler on the roadway thereof.

The improvement of Coleridge street, between Powers avenue, produced, and Fair avenue, produced easterly, by the construction of granite curbs, by resetting the existing granite curbs, by the construction of artificial stone sidewalks, and an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface.

RESIDENCES—5, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, C. S. Allred, 150 Granddago street, S. F. Location, north-east 24th avenue and Cabrillo. Each dwelling will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, John M. Peters, 1010 Bathoa street, S. F. Location, west 12th avenue south Cabrillo. Will contain six rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$10,000. San Francisco. Architect, Matthew O'Brien, Foxcroft Bldg., S. F. Owner, Michael Casey. Location, 15th and Sanchez. Will contain ten rooms, three baths and basement garage. Revised plans complete and new figures being taken.

RESIDENCE—1 story and base, frame, \$4,000. San Francisco. Architect, A. W. Smith, 1010 Broadway, Oakland. Owners, Barrett & Hip, Sharon Bldg., S. F. Location, east Miramar north Southwood. Will contain seven rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

COMPLETION OF PATHOLOGICAL WARD—\$12,987. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, City and County of San Francisco. Monson Bros. submitted the lowest bid for the completion of the pathological ward and will probably be awarded the contract. A complete list of these figures appears under the heading of Bids Opened in this issue.

PIER—Concrete and timber. Cost not stated. San Francisco. Engineer, Chief Engineer, Ferry Bldg., S. F. Owners, State of California. The State Board of Harbor Commissioners has approved plans for Pier No. 3 to be erect-

ed at the foot of Washington street. The new structure will be 700 by 133 feet and will be carried on concrete piles. Bids will be called for as soon as the plans receive the approval of the State Advisory Board.

FACTORY—4 story and base. Class C construction, \$40,000. San Francisco. Architect, Edward G. Garden, Phelan Bldg., S. F. Owner's name withheld. Location First and Folsom streets. Will cover a considerable ground area. Plans include automatic conveyors and sprinkler system. Plans complete and figures being taken.

APARTMENT HOUSE—3 story and base, frame, \$24,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. Location, south 15th 20 feet west Church. Will contain 24 apartments of two and three rooms. Plans complete and figures being taken.

FACTORY—1 story and base, mill construction. Cost not stated. San Francisco. Architects, Ward & Blohme, Alaska-Commercial Bldg., S. F. Owners, H. N. Cook Belting Co. Location, Fremont and Howard streets, covering an area of 50 by 120 feet. Preliminary plans only prepared.

CHURCH—1 story and base, frame, \$2,500. San Francisco. Architect, none. Owners, Roman Catholic Church. Location, north California west Walnut, covering an area of 28 by 90 feet. Will contain main auditorium and Sunday school rooms. Plans complete and work to be done by Day Labor.

HOTEL—3 story and base, brick, \$12,000. San Francisco. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, Dr. Leon. Location, Clay near Powell, covering an area of 25 by 90 feet. Will contain 24 rooms, three baths and some kitchens. Plans complete and figures being taken.

FLATS—3 story and base, frame, \$6,000. San Francisco. Architect, none. Owner, P. C. Amoroso, 1246 Kearny street, S. F. Location, east Kearny south Union, covering an area of 25 by 69 feet. Will contain three flats of five rooms each. Plans complete and work to be done by Day Labor.

STORES AND OFFICES—6 story and base. Class A construction. Cost not stated. San Francisco. Architect, Frederick H. Meyer Bankers' Investment Bldg., S. F. Owners, San Francisco Stock and Bond Exchange. Location, west Montgomery north Pine. Preliminary sketches only have been prepared and details cannot be given at this time. Further mention will be made of the work.

STORE ALTERATIONS—1 story, frame, \$3,500. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owners, Desvill's Pharmacy. Location, Ninth avenue and I street. Work will consist of plastering, special mill work, cabinet work and store fixtures. New patent store fronts and marble bases. Plans complete and figures being taken.

Frame, \$7,500. San Francisco. Architect, William H. Crim, Jr., 425 Kearny

street, S. F. Owner, W. C. Oesting. Location, Washington near Hyde. Will contain seven rooms, two baths and basement garage. Plans complete and figures being taken.

Contract Awarded.

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, S. F. Owners, City and County of San Francisco. The following contracts for street improvements have been awarded by the Board of Public Works: The improvement of portions of Clayton street, Corbett avenue and Caselli avenue, etc., by grading, construction of concrete stairs, landings and coping, concrete curbs and of artificial stone sidewalks, by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances, and brick manholes with cast iron frames and covers and galvanized wrought iron steps: 8, 12, 15 and 18-inch, 46 Y branches, and 7 manholes, construct brick catch basins with cast iron frames, gratings and traps, and 10-inch, vitrified, salt-glazed ironstone pipe culverts; and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface upon the roadway thereof. Awarded to The Federal Construction Co., 323 Sharon Bldg., for \$16,946.

The improvement of Noe street, between 20th and 21st streets, by the construction of concrete curbs, 4 brick catch basins, with cast iron frames, gratings and traps, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; a 14-foot central strip of vitrified brick pavement, between Liberty and 21st streets; a vitrified brick pavement between 20th and Liberty streets, by resetting catch basins, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation with a 2-inch asphaltic wearing surface upon the remainder of the roadway. Awarded to D. L. Blenfield, Phelan Bldg., for \$8,914.54.

For the improvement of the west one-half of Castro street, between Alvarado and 23rd streets, by the construction of granite curbs, artificial stone sidewalks, 9 feet wide; basalt block gutters on concrete foundations, and a basalt block pavement on a sand foundation with gravel filler on the remainder of the roadway thereof. Awarded to Flinn & Treacy, 404 First National Bank Bldg., for \$1,638.63.

The improvement of Poplar street and of that portion of 26th street opposite the termination of Poplar street, from the Southern Pacific Company's right of way to a line 15 feet southerly from the northerly line of 26th street, by grading, resetting existing granite curbs and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to D. L. Blenfield, Phelan Bldg., for \$1,320.33.

The improvement of Jessie street, from 7th street to its westerly termination between 7th and 8th streets, by the construction of artificial stone side-

alks of the full official width where not already constructed. Awarded to J. J. Counihan, 405 Utah street, for \$49.36.

The improvement of the south side of Bernard street, between Taylor and Jones streets, by the construction of artificial stone sidewalks of the full official width from Taylor street 68 feet 6 inches westerly. Awarded to D. J. Counihan, for \$37.85.

HOSPITAL LIGHTING FIXTURES—\$75. San Francisco. Architect, John Reid, Jr., First National Bank Bldg., S. F. Owners, City and County of San Francisco. Contractor, J. W. Burtmaell, 267 Ellis street, lighting fixtures for central emergency hospital. Contract price, \$1,875.

STORE ALTERATIONS. Class A construction \$2,000. San Francisco. Architects, Reid Bros., California-Pacific Bldg., S. F. Owner Ansel M. Eason. Contractors, Stockholm & Allyn, Conadnock Bldg., S. F. Contract price, 2,000.

AUTO SALES ROOM AND GARAGE—story and base, brick and concrete, \$5,000. San Francisco. Architect, one. Owner, Leo Gillig. Contractors, Barrett & Hlp, Sharon Bldg., S. F. Contract price, \$45,000.

RESIDENCE—2 story and base,

Building Contracts Awarded.

SAN FRANCISCO.

No.	Owner	Contractor	Am't.
466	Lederman	Manseau	2900
468	Same	Same	2900
468	Same	Same	2900
469	Same	Same	2900
470	Same	Same	2900
471	Same	Same	2900
472	Lavis	Serguson	500
473	Jones	Jones	475
474	Sherman	Sherman	400
475	Haggerty	Dunn	400
476	Hamilton	Moller	475
477	Jerabransky	Malaranoff	400
478	Sippell	Sippell	400
479	Willard	Novelty	400
480	Girard	Novelty	400
481	Smith	Novelty	400
482	Pomin	Novelty	400
483	Standard Oil	Owner	750
484	Heden	Heden	1200
485	Thompson	Hamill	3000
486	Barrett	Hilp	400
487	Dean	Dean	800
488	Janssen	Janssen	2750
489	Phillips	Phillips	400
490	Allred	Allred	3000
491	Same	Same	3000
492	Same	Same	3000
493	Same	Same	3000
494	Same	Same	3000
495	S F Labor Council	Owner	400
496	Huber	Brown	400
497	Easton	Nagel	800
498	De Witt	Binet	6000
499	Rutherford	Binet	6000
500	Pettee	Arlie	2000
501	Kyle	Tomnitz	2300
502	Luther	Muller	2875
503	Hannah	Berggren	6225
504	Austin	Gold	7200
505	Dunn	Allen	2000
506	Hooper	Wilson	3185
507	Payne	Hanser	5000
508	Grant	Todhunter	400
509	Bonini	Bonini	400
510	Greninger	Mager	500
511	Miller	Miller	3500
512	City & Co of S F	Lawson	7800
513	Campbell	Campbell	1800
514	Kahn	Levi	650
515	Trevor	Trevor	400
516	Frank	Frank	1500
517	Standard Oil	Owner	750
518	Phiez	Phillips	6250
519	Kolander	Denke	34000
520	Houston	Walker	6887
521	Caro	Landberg	5825
522	Schoenberg	Wright	600
523	Pitzgerald	Pitzgerald	700
524	Toronto	Toronto	500
525	Nien	Gustis	200
526	Rigney	Horstmeier	500
527	Young	Young	12000
528	Friedman	Cohurn	2968
529	Stable	Stiefel	2377
530	Welsh	Welsh	4000

3532	McPherson	McPherson	1400
3532	Tobbutt	Owner	500
3533	Kohlfs	Munster	400
3534	Baker	Baker	3000
3535	Ruegg	Ruegg	6000
3536	Amoroso	Amoroso	6000

FRAME DWELLING
(3466) E SIXTEENTH AVE 37 N
Kirkham. One-story and basement frame dwelling.
Owner.....Lederman Bldg. Co., 554 Market, San Francisco.
Architect...None.
Contractor...E. E. Manseau, 1278 35th Ave., San Francisco.
COST, \$2900

FRAME DWELLING
(3467) E SIXTEENTH AVE 70 N
Kirkham. One-story and basement frame dwelling.
Owner.....Lederman Bldg. Co., 554 Market, San Francisco.
Architect...None.
Contractor...E. E. Manseau, 1278 35th Ave., San Francisco.
COST, \$2900

FRAME DWELLING
(3468) E SIXTEENTH AVE 136 N
Kirkham. One-story and basement frame dwelling.
Owner.....Lederman Bldg. Co., 554 Market, San Francisco.
Architect...None.
Contractor...E. E. Manseau, 1278 35th Ave., San Francisco.
COST, \$2900

FRAME DWELLING
(3469) E SIXTEENTH AVE 169 N
Kirkham. One-story and basement frame dwelling.
Owner.....Lederman Bldg. Co., 554 Market, San Francisco.
Architect...None.
Contractor...E. E. Manseau, 1278 35th Ave., San Francisco.
COST, \$2900

FRAME DWELLING
(3470) E SIXTEENTH AVE 202 N
Kirkham. One-story and basement frame dwelling.
Owner.....Lederman Bldg. Co., 554 Market, San Francisco.
Architect...None.
Contractor...E. E. Manseau, 1278 35th Ave., San Francisco.
COST, \$2900

FRAME DWELLING
(3471) E SIXTEENTH AVE 103 N
Kirkham. One-story and basement frame dwelling.
Owner.....Lederman Bldg. Co., 554 Market, San Francisco.
Architect...None.
Contractor...E. E. Manseau, 1278 35th Ave., San Francisco.
COST, \$2900

ALTERATIONS
(3472) W CAPP 200 S 14th. Underpin, cement floor, etc., for dwelling.
Owner.....B. Lavis.
Architect...None.
Contractor...Geo. M. Serguson, 308 Guerrero San Francisco.
COST, \$500

ALTERATIONS
(3473) NOS. 3637-39 WASHINGTON.
Alter basement for garage.
Owner.....W. G. Jones, 2412 Pacific, San Francisco.
Architect...None.
Day's work. COST, \$175

FRAME DWELLING
(3474) NO. 363 Haight New floor
other changes for theatre.
Owner.....A. Sherman.
Architect...None.
Day's work. COST, \$400

FRAME DWELLING
(3475) NO. 349 TWENTY-SEVENTH AVE TRAP. One-story and basement frame dwelling.
Owner...Mrs. Haggerty, 349 27th Ave., San Francisco.
Architect...None.
Contractor...J. M. Dunn, 2650 Anza San Francisco.
COST, \$100

SHINGLE ROOF
(3476) SE BRADFORD & POWHATTAN. Shingle roof and re-arrange partitions.
Owner.....J. T. Hamilton, 820 Bryant, San Francisco.
Architect...None.
Contractor...R. W. Moller, 736 Call Bldg., San Francisco.
COST, \$175

PHOTO GALLERY
(3477) E CAROLINA 150 S 23rd One-story frame photo gallery.
Owner.....J. Jerebransky, 101-109 Haro, San Francisco.
Architect...None.
Contractor...Paul Malaranoff, 27 Wisconsin, San Francisco.
COST, \$100

FRAME GARAGE
(3478) NO. 601 SUNNYSIDE. One-story frame garage.
Owner.....J. Sippell, Premises.
Architect...None.
Day's work. COST, \$400

ELECTRIC SIGN
(3479) NO. 1432 BUSH. Electric sign.
Owner.....Willard Storage Battery Co., Premises.
Architect...None.
Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco.
COST, \$400

ELECTRIC SIGN
(3480) NO. 320 MASON. Electric sign.
Owner.....Stanley Girard, Premises.
Architect...None.
Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco.
COST, \$100

ELECTRIC SIGN
(3481) SE FILLMORE & O'FARRELL. Electric sign.
Owner.....J. Raymond Smith, Prem.
Architect...None.
Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco.
COST, \$100

ELECTRIC SIGN
(3482) NO. 923 MARKET. Electric sign.
Owner.....W. C. Pomin, Premises.
Architect...None.
Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco.
COST, \$100

SUPPLY STATION
(3483) W FOURTH AVE, bet. California and Cornwall. One-story iron supply station.

Owner.....Standard Oil Bldg., San Francisco.
 Architect.....None.
 Day's work.....COST, \$750

FRAME DWELLING

(3481) W Laidley 153 NE Miguel. One-story and basement frame dwelling.
 Owner.....Gust Heden, 155 Beaver, San Francisco.
 Architect.....None.
 Day's work.....COST, \$1200

FRAME FLATS

(3485) NW ST. ROSE AND COOK. Two-story and basement frame (2) flats.
 Owner.....Nathaniel Thompson, 620 Waller, San Francisco.
 Architect.....None.
 Contractor.....Thos. Hamill, 5535 Geary, San Francisco.
 COST, \$3000

FRAME DWELLING

(3486) E MIRAMAR 80 N Southwood. One-story and basement frame dwlg.
 Owner.....Barrett & Hulp, 444 Sharon Bldg., San Francisco.
 Architect.....A. W. Smith, 1010 Broadway, Oakland.
 Day's work.....COST, \$4000

FRAME DWELLING

(3487) N MANGELS 100 E Nordhoff. One-story and basement frame dwlg.
 Owner.....H. D. Dean, 309 Baden, San Francisco.
 Architect.....None.
 Day's work.....COST, \$800

FRAME DWELLING

(3488) E FIRST AVE 26-3 N Turk. One-story and basement frame dwlg.
 Owner.....E. A. Janssen, 714 Hearst Bldg., San Francisco.
 Architect.....E. J. Spence, 537 25th Ave., San Francisco.
 Day's work.....COST, \$2750

FRAME STORE ROOM

(3489) E POWELL 100 S Green. One-story frame store room.
 Owner.....V. Philipis, 866 Union, S. F.
 Architect.....None.
 Day's work.....COST, \$100

FRAME RESIDENCE

(3490) N CABRILLO 21 E 24th Ave. Two-story and basement frame residence.
 Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
 Architect.....None.
 Day's work.....COST, \$3000

FRAME RESIDENCE

(3491) N CABRILLO 48 E 24th Ave. Two-story and basement frame residence.
 Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
 Architect.....None.
 Day's work.....COST, \$3000

FRAME RESIDENCE

(3492) N CABRILLO 72 E 24th Ave. Two-story and basement frame residence.
 Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
 Architect.....None.
 Day's work.....COST, \$3000

FRAME RESIDENCE

(3493) N CABRILLO 118 E 21th Ave. Two-story and basement frame residence.

Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
 Architect.....None.
 Day's work.....COST, \$3000

FRAME RESIDENCE

(3494) NE TWENTY-FOURTH AVE & Cabrillo. Two-story and basement frame residence.
 Owner.....C. S. Alfred, 150 Onondago Ave., San Francisco.
 Architect.....None.
 Day's work.....COST, \$3000

ALTERATIONS

(3495) E CAPP 100 N 16th. Alter for toilets and wash rooms.
 Association, 16th & Capp.
 Owner.....S. F. Labor Council Hall San Francisco.
 Architect.....None.
 Day's work.....COST, \$400

ADDITION

(3496) NO. 2621 NINETEENTH. Add porch and other alterations to dwelling.
 Owner.....Mrs. F. Huber, Premises.
 Architect.....None.
 Contractor.....A. O. Brown.
 COST, \$100

PARTITION

(3497) NO. 955 MARKET. Erect asbestos partition.
 Owner.....Ansel Easton, Mills Bldg., San Francisco.
 Architect.....None.
 Contractor.....Chas. Nagel, 635 Larkin, San Francisco.
 COST, \$800

FRAME FLATS

(3498) E VALENCIA 278 N 21st. Three story and basement frame (3) flats.
 Owner.....Frank De Witt, 528 Hayes, San Francisco.
 Architect.....None.
 Contractor.....John J. Binet, 68 Ramona, San Francisco.
 COST, \$6000

FRAME FLATS

(3499) W CHURCH 61-6 S Cumberland. Two-story and basement frame (4) flats.
 Owner.....Victor L. Sutherland, 251 San Carlos, San Francisco.
 Architect.....None.
 Contractor.....John J. Binet, 68 Ramona, San Francisco.
 COST, \$6000

FRAME DWELLING

(3500) W THIRTIETH AVE 100 N Ullea. One-story and basement frame dwelling.
 Owner.....Mrs. Clara M. Pettet, Gable Apts., Clay and Larkin, San Francisco.
 Architect.....Norman R. Coulter, 46 Kearny, San Francisco.
 Contractor.....The Arlie Co., 1527 Pine, San Francisco.
 COST \$2000

FRAME RESIDENCE

(3501) W LOWER TERRACE 500 N 17th. Two-story and basement frame residence.
 Owner.....Mrs. J. Kyle, 356 Corbett Ave., San Francisco.
 Architect.....None.
 Contractor.....E. P. Tomnitz, 22 Chime Ave., San Francisco.
 COST, \$2500

ALTERATIONS
 (3502) NO. 724 CLEMENT. Raise dwelling and add one-story for store.
 Owner.....Mrs. B. W. Luther, 1817 Broderick, San Francisco.
 Architect.....None.
 Contractor.....C. F. Muller, 1817 Broderick, San Francisco.
 COST, \$2375

FRAME FLATS

(3503) S LINCOLN WAY 65 E 12th Ave. Two-story and basement frame (2) flats.
 Owner.....Mrs. D. Hannah, 1027 Lincoln Way, San Francisco.
 Architect.....C. Schmidt.
 Contractor.....J. G. Bergren & Son, 347 Call Bldg., San Francisco.
 COST, \$6223

ALTERATIONS

(3504) NO. 572 EDDY. Alter apartments.
 Owner.....A. L. Austin and C. J. Eells, 2960 Fillmore, S. F.
 Architect.....None.
 Contractor.....A. Gold, 2431 Fillmore, San Francisco.
 COST \$7206

ALTERATIONS

(3505) SW CHURCH AND LIBERTY. Alter two-story frame residence into (2) flats.
 Owner.....Mrs. M. Dunn 1420 Laguna, San Francisco.
 Designer.....J. B. Hunt, 80 Landers, San Francisco.
 Contractor.....A. J. Allen.
 COST, \$2900

PLUMBING

(3506) W BATTERY 45-10 N Pine N 142-23W 137-6. All work for plumbing except 5000-gallon roof tank for six-story reinforced concrete stores and lofts.
 Owner.....John A. Hooper by Kenneth MacDonald Jr.
 Architect.....Kenneth MacDonald Jr., Holbrook Bldg., S. F.
 Contractor.....W. F. Wilson Co., 330 Mason, San Francisco.
 Filed Dec. 1, '16. Dated Dec. 1, '16.
 Payments not given.....
 TOTAL COST, \$2165
 Bond, limit, forfeit, none. Plans and specifications, none.

FRAME FLATS

(3507) N CALIFORNIA 82-6 E 21st Ave E 25xN 106. All work for two-story and basement frame flats.
 Owner.....John Payne.
 Plans by Contractor, John F. Haner.
 Contractor.....John F. Haner, 3550 20th, San Francisco.
 Filed Dec. 4, '16. Dated Nov. 29, '16.
 Frame up and roof rafters in place\$1250
 Brown coated 1250
 Completed and accepted 1250
 Usual 35 days 1250
 TOTAL COST, \$5000
 Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ADDITION

(3508) NO. 338 TWENTY-SIXTH AVE Add porch and bath.
 Owner.....E. Grant, Premises.
 Architect.....None.
 Contractor.....Geo. C. Todhunter, 446 29th Ave., San Francisco.
 COST, \$400

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not **FOUR WHEEL DRIVE.**

On the F-W-D Truck every wheel is a **Driving Wheel.** The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps **ON** the road and **OUT** of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334 343 Golden Gate Ave. San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

ALTERATIONS

(3499) NO. 609 WASHINGTON. Concrete floor and cement work.
Owner.....Emilio Bonini, Premises.
Architect...None.
Day's work.....

COST, \$100

FRAME GARAGE

(3510) SE CASTRO AND CLIPPER One-story frame garage.
Owner.....Paul Greininger, 485 Guerrero, San Francisco.
Architect...None.
Contractor...Mager Bros., 110 Jessie, San Francisco.

COST, \$500

FRAME FLATS

(3511) W LANGTON 175 N Folsom. Two-story and basement frame (4) flats.
Owner.....Leo J. Miller, 9 Sumner, San Francisco.
Architect...None.
Day's work.....

COST, \$3500

DISINFECTOR

(3512) POTRERO AVE bet. 21st and 23rd. Installation of disinfector in northeast wing of San Francisco Hospital.
Owner.....City and County of San Francisco.
Architect...John Reid, Jr.
Contractor...H. Lawson, 344 4th Ave. San Francisco.

COST, \$7690

ALTERATIONS

(3513) NO. 768 SEVENTEENTH AVE. Raise cottage and add 4 rooms.
Owner.....G. Campbell, 764 17th Ave., San Francisco.
Architect...None.
Day's work.....

COST, \$1800

ALTERATIONS

(3514) NO. 54 GEARY, New front.
Owner.....Henry Kahn & Co., 644 Market, San Francisco.
Architect...None.
Contractor...S. Levi, 2120 Post, S. F.

COST, \$650

REPAIRS

(3515) NO. 2117 WEPSTER. Repair laundry.
Owner.....H. Trevor, 32 Montgomery, San Francisco.
Architect...None.
Day's work.....

COST, \$400

FRAME STORES

(3516) SE MISSION 50 SW Brazil. One-story frame stores.
Owner.....A. B. Frank, 4611 Mission, San Francisco.
Architect...None.
Day's work.....

COST, \$1500

SUPPLY STATION

(3517) W FOURTH AVE 15 S California. One-story steel supply station.
Owner.....Standard Oil Co., Standard Oil Bldg., S. F.
Architect...None.
Day's work.....

COST, \$750

FRAME RESIDENCE

(3518) SW FILBERT AND LEAVENWORTH W 68-6x8 27-6. All work except plumbing fixtures, electric and gas fixtures, shades, hardwood floors, hot water heater, tinning, papering, etc., for three-story and basement frame residence.
Owner.....Jno. K. Plinez, 251 Kearny, San Francisco.

Architect...P. Righetti, Phelan Bldg., San Francisco.

Contractor...V. Filippis, 866 Union, San Francisco.

Filed Dec. 6, '16. Dated Dec. 1, '16. Grading and foundation completed and 2nd floor joists set.....\$1675
Ready for plastering.....1575
Completed and accepted.....1575
Usual 35 days.....1625

TOTAL COST, \$6350

Bond, \$3175. Surety, New Amsterdam Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME APARTMENTS

(3519) S SACRAMENTO 152-9 E Franklin E 55x8 127-8-4. All work for three-story and basement frame apartments.
Owner.....Max and Dora Kolander, Benedict Apts., Sacramento and Polk, S. F.
Architect...E. H. Denke, 1317 Hyde, San Francisco.
Contractor...F. G. Denke, 1317 Hyde, San Francisco.

Filed Dec. 6, '16. Dated Dec. 4, '16. 2nd floor joists on.....\$6375
Enclosed and roof laid.....6375
Rough coat plaster on.....6375
Completed and accepted.....6375
Usual 35 days.....8500

TOTAL COST, \$34,000

Bond, \$14,000. Sureties, E. H. and Ella H. Denke. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STORE BUILDING

(3520) MARKET AND SIXTEENTH. All work for one-story store building.
Owner.....Mrs. Mattie Houston.
Architect...Bliss & Faville, Balboa Bldg., San Francisco.
Contractor...G. H. and S. Walker, 110 Jessie, San Francisco.

Filed Dec. 6, '16. Dated Nov. 20, '16. Payments of 75% in monthly installments as work progresses..

Usual 35 days, 25%.....\$2421.75

TOTAL COST, \$9687.00

Bond, \$4833.50. Sureties, Jno. Schmidt and J. C. Ward. Limit, March 15, 1917. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(3521) SE ARMY AND FLORIDA E 25-3% S 90 W 25-0% N 90. All work for two-story frame building (4 3-room flats.)
Owner.....Felicie Castro, 3898 21st, San Francisco.
Architect...E. A. Hermann, 3163 Folsom, San Francisco.
Contractor...Claus Lindberg, 2567 Surrey, San Francisco.

Filed Dec. 6, '16. Dated Nov. 23, '16. Frame up.....\$1456.25
Brown coated.....1456.25
Completed.....1456.25
Usual 35 days.....931.25
Balance of \$525 to be paid in installments of \$50 per month, 6% interest.

TOTAL COST, \$5825.00

Bond, \$2912.50. Sureties, Paul Adams and Gus Lindberg. Limit, 100 days from Nov. 23. Forfeit, none. Plans and specifications filed.

UNDERPINNING

(3522) SW FIRST AND STEVENSON Brick underpinning.
Owner.....L. Schoenberg.
Architect...None.

Contractor...Wright & Kohn, 127 Montgomery, San Francisco.

COST, \$600

ALTERATIONS

(3523) NO. 4201 JUDAIL. Move and repair dwelling.
Owner.....R. H. Fitzgerald, Prem.
Architect...None.
Day's work.....

COST, \$700

REPAIRS

(3524) NO. 132 HALE. Raise and repair dwelling.
Owner.....K. Toronto, Premises.
Architect...None.
Day's work.....

COST, \$500

ALTERATIONS

(3525) NO. 256 COLUMBUS. Alter for stable.
Owner.....A. Mieri & Co., 530 Washington, San Francisco.
Architect...None.
Contractor...S. A. Guisti, 617 Sansome, San Francisco.

COST, \$500

ALTERATIONS

(3526) NO. 3828 TWENTY-SECOND. Alter dwelling into (2) flats.
Owner.....Thos. F. Rigney, Premises.
Architect...None.
Contractor...Wm. Horstmeier Co., 33 Eureka, San Francisco.

COST, \$500

BRICK FLATS

(3527) N BUSH 137-6 E Larkin. Three story and basement brick (6) flats.
Owner.....Edward E. Young, 251 Kearny, San Francisco.
Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work.....COST, \$12,000

ALTERATIONS

(3528) N McALLISTER 87-6 W Webster W 25xN 85. All work for alterations and additions to frame residence.
Owner.....J. Friedman, 1122 McAllister, San Francisco.
Architect...Sylvain Schnaitacher, 233 Jost, San Francisco.
Contractor...Ira W. Coburn, 180 Jessie, San Francisco.

Filed Dec. 7, '16. Dated Dec. 4, '16. Walls underpinned and 1st floor joists reset.....\$742
rown coated.....742
Completed and accepted.....742
Usual 35 days.....742

TOTAL COST, \$2965

Bond, \$1484. Surety, The Aetna Accident Liability Co. Limit, 45 days. Forfeit, \$10. Plans and specifications filed.

FRAME RESIDENCE

(3529) N FIFTEENTH 320 E Buena Vista Terrace 32x100. All work for two-story and basement frame residence.
Owner.....Jno. O. and Jasper Stahl, 2416 15th, San Francisco.
Plans by Contractor.
Contractor...Jno. V. Stiefel, 184 23rd Ave., San Francisco.

Filed Dec. 7, '16. Dated Dec. 2, '16. Frame up.....\$884.25
Brown coated.....844.25
Completed.....844.25
Usual 35 days.....844.25

TOTAL COST, \$3377.00

Bond, \$1688.50. Sureties, Louis Bopp and Philipp Boien. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
(3530) E EIGHTEENTH AVE 125 N Balboa N 25x120. All work for two-story frame residence.

Owner.....Jas. Welsh, 543 18th Ave., San Francisco.

Architect.....None.
Contractor.....Jas. Welsh & Co.
Filed Dec. 7, '16. Dated Aug. 25, '16.

Raffers on\$1000
Brown coated 1000
Completed 1000
Usual 35 days.....\$1000
TOTAL COST, \$4000

Bond, limit, forfeit, plans and specifications, none.

FRAME DWELLING
(3531) E MISSION 225 N Italy. One and one-half-story and basement frame dwelling.

Owner.....P. M. and R. McDonald, 1049 Treat Ave. S. F.

Architect.....None.
Contractor.....R. McDonald, 1049 Treat Ave., San Francisco.
COST, \$1900

FRAME SHOP
(3532) N GEARY 50 W Tenth Ave. Two-story frame shop.

Owner.....Lloyd E. Tebbutt, 364 11th Ave., San Francisco.

Architect.....None.
Day's work.....COST, \$1400

ALTERATIONS
(3533) NO. 1055 FILMORE. Alter for store.

Owner.....W. V. Rohlfss, NE California and Broderick, S. F.

Architect.....None.
Contractor.....Munster & Bornholdt, 1530 Broderick, S. F.
COST, \$800

REPAIRS
(3534) NO. 335 TWENTY-SECOND Ave. Repair fire damage.

Owner.....J. H. Baker, Premises.

Architect.....None.
Day's work.....COST, \$400

FRAME RESIDENCE
(3535) E EIGHTEENTH AVE 250 S Cahill. Two-story and basement frame residence.

Owner.....L. J. Ruegg, 719 Pacific Bldg., San Francisco.

Architect.....None.
Contractor.....Ruegg Bros, 719 Pacific Bldg., San Francisco.
COST, \$3000

FRAME FLATS
(3536) E KEARNEY 116-8 S Union. Three-story and basement frame (3) flats.

Owner.....F. C. Amoroso, 1246 Kearney, San Francisco.

Architect.....None.
Day's work.....COST, \$6000

Dec. 4, 1916—LOT 9 BLK 21 Oscar Heyman & Bro Sub Ptn Blk 8 all Blk 21, West End Map No. 2. Oscar Heyman & Bro as to improvements on leased property.....

LEASES.

Dec. 4, 1916—NO. 1532 HAIGHT N line bet. Ashbury and Clayton. Ella A Leahy to A Bezakis. 6 years. \$5400.

Dec. 4, 1916—N MISSION bet First and Second; No. 560 Mission. Robert Dalziel Co to V S Walsh. 3 years. \$2160.

Dec. 5, 1916—NO. 4199 GEARY. James Rutishauser to Louis G and Emma Groene. 6 years. \$115 per month. Assigned Dec. 2, 1916 to Herbert Goodman

Dec. 7, 1916—S CLEMENT 70 W Third Ave W 25xS 100. Fredk. C C and Emma M Bertelsen to Wm and Bessie Davidson. 2 years. \$1560.

RELEASE OF BUILDING CONTRACT.

Dec. 5, 1916—S SACRAMENTO 142-9 E Franklin E 55xS 127-8 1/2. Max and Dora Kolander to F G Denke.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED
Dec. 1, 1916—NE NORTH POINT & Larkin W 412-6xN 275. D Ghirardelli Co to Otto Kurtz, Nov. 29;

H L PetersenNov. 29, 1916
Dec. 1, 1916—PACIFIC AND LYON P C Moore to J Harold Johnson.....Nov. 23, 1916

Dec. 1, 1916—SE O'FARRELL AND Hyde E 70xS 77-6. Gerard Invst Co to Matt V Brady.....Dec. 1, 1916

Dec. 1, 1916—E EIGHTEENTH AVE 203-11 N Clement N 25x120. Otto Alvin Schoning to Thomas McCormick.....Dec. 1, 1916

Dec. 2, 1916—N SANTA YNEZ and 60 E Otsego Ave Lot 16 Blk "K" Mission Terrace. N F Nilsson to E M Nilsson.....Dec. 2, 1916

Dec. 2, 1916—NW WASHINGTON & Stockton N 50xW 137-6. Board of Home Missions & Church Extension of the Methodist Episcopal Church to Johnston Co.....Nov. 25, 1916

Dec. 4, 1916—N CUMBERLAND 180 W Sanchez W 25xN 114. Walter W and Mary E Latham to Adolph Osmas.....Nov. 8, 1916

Dec. 4, 1916—E FORTY-SIXTH AVE 236 N Anza N 28xE 120. Mary Francis Rampe to whom it may concern.....Dec. 1, 1916

Dec. 4, 1916—E SEVENTH AVE 175 N Balboa 25x120. H Rosenzweig to A Alsop.....Dec. 2, 1916

Nov. 27, 1916—N BUSH bet Polk and Van Ness Ave. MacDonald & Kahn, agents to T W McClenahan & Co.....Nov. 27, 1916

Dec. 4, 1916—S LAKE 95 W 9th Ave W 25xS 100. Ella F and Katherine A Hallahan to A Klahn & Son.....Dec. 1, 1916

Dec. 4, 1916—W FOLSOM 125 N 20th N 30xW 122-6. Margaret and Daniel Carroll to whom it may concern.....Dec. 4, 1916

Dec. 5, 1916—W LARKIN 112-6 N Lombard N 57-6 N 25 E 87-6 S 25. Angeline and L Seward and A Perdin to J J McLeod.....Nov. 29, 1916

Dec. 5, 1916 N UNION bet. Scott and Divadero No. 24 Union Aseath H Cope to E Ellingson.....Nov. 27, 1916

Dec. 5, 1916—W LEXINGTON 25 S 19th S 50xW 80. Wm F Deitemer to whom it may concern.....Dec. 4, 1916

Dec. 5, 1916—S JACKSON 137-6 E Mason E 24x137-6. Firmin Alligue to A Elvin.....Dec. 5, 1916

Dec. 5, 1916—55 W 15th Ave. 25x104 (as filed). A Melander to whom it may concern.....Dec. 1, 1916

Dec. 6, 1916—LOT 21, Sea Cliff. Chas J Carter to Graeme MacDonald & Co.....Nov. 29, 1916

Dec. 6, 1916—N GROVE 110 W Scott W 27-3 1/2x107-6. Geo C Maile to L A Hinson.....Dec. 5, 1916

Dec. 6, 1916—N VALLEJO 55 W Baker W 55xN 137-6. Mrs J J Baumgartner to Williams Bros & Henderson.....Nov. 27, 1916

Dec. 6, 1916—S SANCHEZ 195 N 23rd. Jno T Laird to Alexander Neil.....Dec. 6, 1916

Dec. 6, 1916—KING bet Gale and Second. Southern Pacific Co to Daniel L Biesfeld & Co.....Nov. 27, 1916

Dec. 6, 1916—BLG BDED BY 16TH. Harrison, Fifteenth and Alabama Southern Pacific Co to B A Trobeck & Co.....Dec. 1, 1916

Dec. 6, 1916—KING bet. Second and Gale. Southern Pacific Co to Daniel L Biesfeld & Co.....Nov. 27, 1916

Dec. 7, 1916—E ELEVENTH AVE 170 N Fulton N 25xE 120. Frank A Kenney to W H Smith.....Nov. 4, 1916

Dec. 7, 1916—E EIGHTEENTH AVE 125 N Balboa N 25xE 120. James Welsh to whom it may concern.....Nov. 23, 1916

Dec. 7, 1916—N TWENTIETH 250 W Church W 25xN 114. Florestine C C Jackson to Le Clair to whom it may concern.....Dec. 6, 1916

Dec. 7, 1916—E LEVANT 125 m or 1 S States 180x150. Co-Operative Home Builders Co, Inc to whom it may concern.....Nov. 24, 1916

Dec. 7, 1916—S EDDY 87-6 E Leavenworth E 50xS 137-6. George E Bennett to Cameron & Disston.....Nov. 29, 1916

Dec. 7, 1916—W JULIAN AVE 185 N 16th N 30xW 100. Bronislaus and Mary Rybicki to Liebert & Martinelli.....Dec. 7, 1916

Dec. 7, 1916—NO. 575 MISSION. Geo W Brooks to S T Johnson Co.....Dec. 5, 1916

Dec. 7, 1916—N CALIFORNIA 60 E Leidesdorff E 45xN 124. National City Co. of California to J W Cobby.....Dec. 4, 1916

Dec. 8, 1916—SE MACONDRY (Lincoln) and Leavenworth E 65-6xS 45. Attilio E Pescia to Joel Johnson.....Dec. 7, 1916

Dec. 8, 1916—N CLAY bet Hyde and Leavenworth No. 1450 Clay. Mrs E S Preston to F G Denke.....Dec. 8, 1916

Dec. 8, 1916—SW FOLSOM AND 26TH W 170 S 150-9 1/2 m or 1 S 86 deg 25 min E 175 m or 1 N 175. J W Kerr, Jno H Samml, Geo W Reed, R V Lucy and H T Harper, Board of Trustees of Cogswell Polytechnical College to Lange & Bergstrom.....Nov. 28, 1916

Dec. 8, 1916—BLK BDED BL HUM-boldt, 23rd, Georgia and Louisiana. Pacific Gas & Electric Co to Western Pipe & Steel Co.....Dec. 4, 1916

Dec. 8, 1916—SW FOLSOM AND 26TH W 170 S 150-9 1/2 m or 1 S 86 deg 25 min E 175 m or 1 N 175. John H

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Dec. 8, 1916—N HARRISON AND Ritch 55x75. E Mandel as to improvements on leased property.....

Dec. 2, 1916—NOS. 48-52 GEARY. Ella F Young, Tr W W Young, dec'd; Ella F Young, Grace Young Williams and Edith Young as to improvements on leased property....

Samuel, Sec. of Board of Trustees of Cogswell Polytechnical College to H Maundrell, Herman Lawson, P Grassi, Pacific Iron Works, California Plate & Window Glass Co, C F Weber & Co, J C Hurley Co, United States Metal Products Co.Nov. 23, 1916
Dec. 8, 1916—SE LAKE AND 23RD Ave S 100xE 25. Wallace R Reay to Petterson & Persson.Dec. 7, 1916
Dec. 8, 1916—W MISSISSIPPI 125 S Mariposa 25x100. Thomas Gegan to Elmer Carlson.Nov. 30, 1916
Dec. 8, 1916—S GOLDEN GATE AVE 162-6 W Gough W 25xS 137-6. Matilda Sullivan to whom it may concern.Dec. 7, 1916
Dec. 8, 1916—E ASHBURY 75 N Grove. Hemmings Bros Inc to whom it may concern.Dec. 8, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED AMOUNT
Dec. 1, 1916—NW EDDY & PIERCE W 30xN 75. John H Merz vs Virginia Lavisi\$375.95
Dec. 2, 1916—E NINTH AVE 56 N "L" N 24xE 120. Charles Hamdorf vs John H Plattner.\$240
Dec. 2, 1916—W SEVENTEENTH AVE 121 S California S 25xW 120. Lawson Roofing Co vs Bertha Freeman and William Larsen.\$30
Dec. 2, 1916—S NAPLES 27-6 W Seville W 25x100. Thos M Herrington vs Alfred C Dahl.\$38.50
Dec. 2, 1916—S CABRILLO 10 W 15th Ave W 25xS 100. Hart-Wood Lumber Co vs J W Wright & Sons Invst Co, Frederick L Schlimper, H P Cox, Martin O'Gara, Eberhart Est Co and C E Herrick.\$253.36
Dec. 5, 1916—W SEVENTEENTH AV 121 S California S 25xW 120. Eureka Sash, Door & Moulding Mills vs Mabel Freeman, Wm Larson and San Francisco Bldg Co.
Dec. 5, 1916—SE JACKSON AND Presidio Ave N 127-8½xE 81-2. Marius Hemmings vs Thos R Scooble\$12
Dec. 6, 1916—NW EDDY & PIERCE W 30xN 75. Comyns & Nygren vs Virginia Lavisi and J H Merz.\$37.50
Dec. 7, 1916—N SACRAMENTO 177-6 W Van Ness Ave W 25-9xN 127-8¼. Standard Crushed Rock Co vs Theodora Newman and W H Daniels\$41.50
Dec. 7, 1916—N CLEMENT 55 W 15th Ave W 25xN 100. S Muriale vs A Melander\$176
Dec. 8, 1916—E FILLMORE 100 S Broadway S 37-6xE 68-9. J H Kruse vs Anna Hladik and Otto Carson & Co.\$64.28
Dec. 8, 1916—S GEARY 92-6 W Powell W 45xS 137-6. John Cassaretto vs Regan Estate Co.\$96
Dec. 8, 1916—SW ELLIS AND HYDE W 57-6xS 82-6. Haines Jones & Cadbury Co vs D & S Investment Co, J Looney & W W Hayes.\$2954.18

OAKLAND AND ALAMEDA COUNTY.

ELECTROLIER SYSTEM—Cost not stated. San Leandro, Alameda Co., Cal. Engineer, City Engineer R. H. Goodwin, San Leandro. Owners, City of San Leandro. The City Engineer has been instructed by the City Trustees to pre-

pare plans and specifications for the standards selected recently for the proposed lighting system.

SEWER—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on December 15th for furnishing the necessary materials, tools and labor for the construction of a combined sewer, manholes and appurtenances, in Vine street, from Shattuck avenue to Walnut street.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, R. A. Hutchinson, 470 13th street, Oakland. Location, south Jean west Santa Clara. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,500 each. Oakland, Cal. Architect, none. Owner, Edward Larmer, 470 Boulevard Way, Oakland. Location, east Arbor avenue north Hudson. Each house will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 1 story and base, frame, \$1,000 each. Berkeley, Alameda Co., Cal. Architect, none. Owner, R. N. Thode, Richmond. Location, 1113, 1116 and 1118 Addison street. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$3,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, C. E. Sinclair, Y. M. C. A. Bldg., Berkeley. Location, east Fresno south Solano. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$1,000 each. Oakland, Cal. Architect, none. Owner, Howard Nethken, 3544 Porter street, Oakland. Location, east 51st avenue north East 10th street. Each house will contain four rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—360, 1 story and base, frame, \$2,000 each. Alameda, Alameda Co., Cal. Architect, none. Owners, J. Slater and W. H. Graham. Superintendent, F. W. Thaxter, 2024 Regent street, Berkeley. Location, Encinal avenue between Broadway and Versailles. Each house will contain five rooms, bath and sleeping porch. Extensive street work and landscape gardening will also be included in the project. Plans being prepared.

RESIDENCE—2 story and base, frame, \$3,000. Oakland, Cal. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owner, Mrs. Smith. Location, Rockridge. Will contain six rooms, bath and sleeping porch. Plans being prepared.

RESIDENCE—1 story and base, frame, \$5,000. Oakland, Cal. Architect, M. I. Diggs, Syndicate Bldg., Oakland. Owner, C. L. Belt. Location, east Greenwood avenue north Brighton. Will contain six rooms, two baths and separate garage. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, J. F. Whalen, 1748 Broadway, Oakland. Location, west Opal north 41st street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Oakland, Cal. Architect, none. Owner, R. Oates, 1560 Vista street, Oakland. Location, west 64th avenue south Hayes. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE AND ROOMS—4 story and base, reinforced concrete. Cost not stated. Oakland, Cal. Architect, William Knowles, Hearst Bldg., S. F. Owner's name withheld. Location, north 17th street east Broadway. Will contain apartments of two and three rooms on the upper floor and a number of single rooms on the other floors. Plans complete and figures being taken.

APARTMENT HOUSE—2 story and base, frame, \$12,000. Oakland, Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, R. H. Bradshaw. Location, 66th and Telegraph. Will contain stores on the first floor and six three room suites on the upper floor. Plans complete and segregated figures being taken by the owner.

SCHOOL HEATING SYSTEM—\$715. Alameda, Alameda Co., Cal. Architect, none. Owners, City of Alameda. Contractors, Robert Datzel, Jr., Co., S. F. Contract price, \$715. A complete list of these figures will be found under the heading of Bids Opened in this issue.

STORES—1 story and base, frame, \$2,500. Berkeley, Alameda Co., Cal. Architect, Eugene K. Martin, 2102 Shattuck avenue, Berkeley. Owner, E. C. Corry, 2745 Elmwood avenue, Berkeley. Location, east College north Ashby. Will contain three small stores. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, H. Joutsen, 1012 Allston Way, Berkeley. Location, Alston Way and 10th street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

LAUNDRY—1 story, brick and frame. Cost not stated. Oakland, Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owners, Oakland Laundry Co. Location, 29th street between Grove and San Pablo. Will cover an area of 26 by 150 feet. Two brick walls. Plans complete and figures being taken.

HOSPITAL COTTAGES—6, 1 story and base, frame and concrete, \$104,690. Oakland, Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Contractor, W. G. Thornally, 3027 East 16th street, Oakland. Contract price, \$104,690. A complete list of these figures will be found under the heading of Bids Opened in this issue.

RESIDENCES—2, 1 story and base, frame, \$2,000 each. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. A. Janssen, Hearst Bldg., S. F. Location, north Beverly Place east Monterey. Each house will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$3,500. Oakland, Cal. Architect, E. W. Cannon, Central Bank Bldg., Oakland. Owner, Stuart McGee, Location, Lakewood Park. Will contain six rooms, bath and sleeping porch. Plans being prepared.

Contract Awarded.

STREET PAVING—\$62,205.69. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Contractor, G. T. Covault, 211 East Weber street, Stockton. Contract price, \$62,205.69.

Building Contracts Awarded.**Oakland**

No.	Owner	Contractor	Am't.
2813	Larmer	Larmer	2500
2814	Espiasse	Knight	6500
2815	Larmer	Larmer	2500
2816	Helmke	Cederborg	450
2817	Hutchinson	Hutchinson	2500
2821	Jurgens	Sexton	7180
2822	S F O T Ry.	Natl Rig	700
2822	Kennedy	Cooper	800
2824	Zavaltero	Anderson	500
2825	Paulo	Lima	450
2826	Nethken	Nethken	1000
2827	Holt	Lovejoy	850
2828	Nethken	Nethken	1000
2829	Church	McChesney	2250
2830	Peck	Urch	15000
2836	City of Okd.	Armstrong	2500
2837	Pendersen	Andukor	400
2838	Shone	Hopper	2500
2839	Whalen	Whalen	500
2840	Federal Rlty	Duval	400
2841	Danforth	Danforth	400
2842	Shaw	Shaw	1950
2843	Oates	Oates	1950
2844	Oates	Oates	6000
2845	Belt	Belt	500
2851	Kawyer	Paceus	500
2852	Dalley	Dalley	400
2853	Lewis	Tone Sang	2321
2854	Duome	Sinclair	4935
2855	King Estate	Schnebl	
2856	Albers	Masow	
2860	Same	Vukovich	

DWELLING

(2813) E ARBOR AVE 80 N Hudson, Oakland. One-story 5-room dwelling. Owner.....Edw. Larmer, 470 Boulevard Way, Oakland. Architect...None. Day's work. COST, \$2500

ROOMING HOUSE

(2814) SE HARRIET AND FOOTHILL Boulevard, Oakland. Two-story 17-room rooming house and store. Owner.....J. Espiasse. Architect...Chester H. Miller, 1st Trust Bldg., Oakland. Contractor..Harry C. Knight, 1601 Telegraph Ave., Oakland. COST, \$6500

DWELLING

(2815) E ARBOR AVE 155 N Hudson, Oakland. One-story 5-room dwelling. Owner.....Edw. Larmer, 470 Boulevard Way, Oakland. Architect...None. Day's work. COST, \$2500

ALTERATIONS

(2816) NO. 526 WASHINGTON, Oakland. Alterations. Owner.....Helmke. Architect...None. Contractor..Cederborg & Anderson, 2613 Linden, Oakland. COST, \$450

DWELLING

(2817) S JEAN 100 W Santa Clara Ave Oakland. One-story 6-room dwelling. Owner.....R. A. Hutchinson, 470 13th, Oakland. Architect...None. Day's work. COST, \$2500

IRON WORK

(2821) NW FIFTEENTH AND CLAY W 100xN 103-9, Oakland. Iron lathing and plastering and iron partitions for eight-story, basement and

mezzanine Class "A" store and loft building.

Owner.....The Chas. Jurgens Co. Architect...Walter J. Mathews, 967 Broadway, Oakland. Contractor..T. D. Sexton, 2608 Market, Oakland.

Filed Dec. 5, '16. Dated Nov. 22, '16. One-third completed 1/4 Two-thirds completed 1/4 Completed 1/4 Usual 35 days..... 1/4

TOTAL COST, \$7180

Bond, \$3590. Surety, Massachusetts Bonding & Insurance Co. Limit, 3 weeks. Forfeit, none. Plans and specifications filed.

REPAIRS

(2822) TWENTY-FOURTH & HARRISON BLVD., Oakland. Roof repairs. Owner.....San Francisco Oakland Terminal Railway Co., 22nd and Grove, Oakland.

Architect...None. Contractor..National Roofing Co., Plaza Bldg., Oakland. COST, \$700

ALTERATIONS

(2823) NO. 2333 E-FOURTEENTH, Oakland. Alterations. Owner.....Mrs. Katherine Kennedy, 24th Ave and E-12th, Okd. Architect...None. Contractor..M. Cooper, 2425 E-14th, Oakland. COST, \$800

ALTERATIONS

(2824) SW TWELFTH & FRANKLIN Oakland. Alterations. Owner.....P. Zavaltero, Premises. Architect...None. Contractor..John Anderson, 1424 Broadway, Oakland. COST, \$500

ADDITION

(2825) NO. 2129 FIFTIETH, Oakland. Addition. Owner.....John Paulo, Premises. Architect...None. Contractor..M. Lima, 5132 Ygnacio Ave., Oakland. COST, \$450

DWELLING

(2826) E FIFTY-FIRST AVE 120 N E-10th, Oakland. One-story 4-room dwelling. Owner.....Howard Nethken, 3544 Porter, Oakland. Architect...None. Day's work. COST, \$1000

ALTERATIONS

(2827) NO. 3943 PARK BLVD., Oakland. Alterations and additions. Owner.....Mrs. C. S. Holt, Premises. Architect...None. Contractor..F. V. Lovejoy, 1309 E-37th, Oakland. COST, \$850

DWELLING

(2828) E FIFTY-FIRST AVE 155 N E-10th, Oakland. One-story 4-room dwelling. Owner.....Howard Nethken, 3544 Porter, Oakland. Architect...None. Day's work. COST, \$1000

DWELLING

(2829) W OAKLAND AVE 100 S Pearl, Oakland. One-story 3-room dwlg.

Owner.....H. G. Church, 2567 Webster, Berkeley.

Architect...None. Contractor..W. E. McChesney, 1315 San Luis Ave., Berkeley. COST, \$2250

FRAME DWELLING

(2830) LOT 16 and E 33 LOT 17 Ardley's Height Tract, Oakland. All work for one-story frame dwelling and garage.

Owner.....E. M. Peck, 1440 Broadway, Oakland.

Architect...None. Contractor..C. M. Urch. Filed Dec. 5, '16. Dated —.

TOTAL COST, \$—

Bond, \$2300. Sureties, E. E. Urch and A. Robertson. Limit, forfeit, none. Plans and specifications filed.

NOTE: No contract filed, only specifications, plans and bond filed for contract filed Nov. 29, 1916.

FRAME SCHOOL

(2836) CONGRESS AND YGNACIO Aves, Oakland. Three-story frame school (Alcirose Heights School).

Owner.....City of Oakland. Architect...Donovan & Dickey, Perry Bldg., Oakland. Contractor..G. Armstrong, 780 Mandana, Oakland. COST, \$15,000

BUNGALOW

(2837) LOT 21 BLK "D" Lakewood Park, Piedmont. Five-room bungalow. Owner.....P. J. Pendersen. Architect...None. Contractor..A. T. Andukor. COST, \$2500

ADDITION

(2838) NO. 56 ECHO AVE., Oakland. Two-story addition. Owner.....Mrs. Shone, Premises. Architect...None. Contractor..M. E. Hopper & Sons, 90 Glen Ave., Oakland. COST, \$400

DWELLING

(2839) W OPAL 243 N 41st, Oakland. One-story 6-room dwelling. Owner.....J. P. Whalen, 1748 Broadway, Oakland. Architect...None. Day's work. COST, \$2500

ALTERATIONS

(2840) GORE BROADWAY & TELEGRAPH AVE, Oakland. Alterations. Owner.....Federal Realty Co., Federal Bldg., Oakland. Architect...None. Contractor..O. Duval & Son, Dalziel Bldg., Oakland. COST, \$500

ALTERATIONS

(2841) NO. 414 ELEVENTH, Oakland. Alterations. Owner.....Danforth Estate, Premises. Architect...None. Day's work. COST, \$500

ALTERATIONS

(2842) NO. 716 E-TWENTY-FOURTH, Oakland. Alterations and additions. Owner.....C. R. Shaw, 922 E-24th, Oakland. Architect...None. Day's work. COST, \$400

DWELLING
(2842) W SIXTY-FOURTH AVE 260 S
Hayes, Oakland. One-story 5-room
dwelling.
Owner.....R. Oates, 1560 Vista, Okd.
Architect...None.
COST, \$1950

DWELLING
(2844) W SIXTY-FOURTH AVE 218 S
Hayes, Oakland. One-story 5-room
dwelling.
Owner.....R. Oates, 1560 Vista, Okd.
Architect...None.
Day's work. COST, \$1950

DWELLING
(2845) E GREENWOOD AVE 120 N
Brighton Ave., Oakland. One-story
6-room dwelling.
Owner.....C. L. Belt, 1015 Myrtle, Okd.
Architect...M. I. Diggs, Syndicate
Bldg., Oakland.
Day's work. COST, \$5000

ALTERATIONS
(2851) E BROADWAY bet. 15th and
16th, Oakland. Alterations and re-
pairs.
Owner.....H. C. Capwell, Premises.
Architect...Dickey & Donovan, Perry
Bldg., Oakland.
Contractor...W. J. Baccus, City Hall,
Oakland. COST, \$600

DWELLING
(2852) N REDDING 100 E 38th Ave.,
Oakland. One-story 3-room dwlg.
Owner.....Chas. W. Dailey, 3475 38th
Ave., Oakland.
Architect...None.
Day's work. COST, \$500

ALTERATIONS
(2853) SW NINTH AND FRANKLIN,
Oakland. Alterations.
Owner.....Lewis Estate.
Architect...None.
Contractor...Tong Sang Co. 379 9th,
Oakland. COST, \$500

FURNACE
(2854) NO. 455 FORTY-FIRST, Oak-
land. Hot air furnace.
Owner.....Dunne, Premises.
Architect...None.
Contractor...C. F. Sinclair, 385 11th,
Oakland. COST, \$400

CLASS "C" STORES
(2858) SW THIRTEENTH AND HAR-
rison, Oakland. All work for one-
story Class "C" brick store building.
Owner.....C. H. King Estate Co., 308
12th, Oakland.
Architect...Dickey & Donovan, Perry
Bldg., Oakland.
Contractor...Schnebl, Hostrawsky &
Pedgrift 6th and Jackson,
Oakland.

Filed Dec. 7, '16. Dated Dec. 5, '16.
1st and 15th day of each month 75%
Usual 35 days..... 25%
TOTAL COST \$22,221
Bond, none. Limit, 65 days. Forfeit,
none. Plans and specifications filed.

WAREHOUSE, ETC.
(2859) LAND AND APRON WHARF
1 at W end Seventh, Key Route Basin
Oakland. All work for warehouse
and dock basin.
Owner.....Albers Bros. Milling Co.,
332 Pine, San Francisco.
Engineer...R. M. Henningsen, Security
Bank Bldg., Oakland.

Contractor...Frank H. Masow & James
M. Morrison Monadnock
Bldg., San Francisco.

Filed Dec. 8, '16. Dated July 1, '16.
1st of each month..... 75%
36 days after..... 25%
TOTAL COST, \$49,935
Bond, none. Limit, 60 days from July
1. Forfeit, plans and specifications, none

FOUNDATION, ETC.
WHARF OF OWNERS. All work for
reinforced concrete sleeves, founda-
tion and floor for reinforced concrete
warehouse.

Owner.....Albers Bros. Milling Co.,
332 Pine, San Francisco.
Engineer...R. M. Henningsen, Security
Bank Bldg., Oakland.
Contractor...John Vukovich, Oakland.
Filed Dec. 8, '16. Dated May 4, '16.
Payments not given..... 100%
TOTAL COST, \$13.15 en yd for sleeves;
\$8.72 cu. yd for foundation; .0875 sq.
ft. for floor.
Bond, none. Limit 60 days from May
20. Forfeit, plans and specifications,
none.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2808	Newell	Spring	5500
2809	Thode	Thode	1000
2810	Carlevaro	Carlevaro	400
2811	Thode	Thode	1000
2812	Thode	Thode	1000
2813	University of Cal.	Bosch	7340
2819	Darby	Pollard	2000
2820	Sinclair	Sinclair	3000
2835	Curry	Curry	2340
2846	Jousten	Jousten	2000
2847	Merrill	Fleischer	400
2848	Ure	Doane	100
2849	Jacobus	Wendt	2500
2850	Newell	Spring	5500
2855	Janssen	Janssen	2000
2856	Janssen	Janssen	2000
2857	Swan	Lehman	2500

DWELLING
(2808) LOT 9 Hotel Place, Berkeley.
Two-story 8-room dwelling.
Owner.....R. C. Newell, 119 Bonita
Ave., Piedmont.
Architect...Noble Newsom, San Luis &
Arlington, Berkeley.
Contractor...Frank S. Spring, Thousand
Oaks, Berkeley.
COST, \$5500

DWELLING AND GARAGE
(2809) NO. 1116 ADDISON, Berkeley.
One-story 3-room dwelling and gar-
age.
Owner.....R. N. Thode, Richmond.
Architect...None.
Day's work. COST, \$1000

ADDITION
(2810) NO. 1441 NEILSON, Berkeley.
Addition.
Owner.....Carlo Carlevaro, Premises.
Architect...None.
Day's work. COST, \$400

DWELLING AND GARAGE
(2811) NO. 1118 ADDISON, Berkeley.
One-story 3-room dwelling and gar-
age.
Owner.....R. N. Thode, Richmond.
Architect...None.
Day's work. COST, \$1000

DWELLING AND GARAGE
(2812) NO. 1111 ADDISON, Berkeley.
One-story 3-room dwelling and gar-
age.

Owner.....R. N. Thode, Richmond.
Architect...None.
Day's work. COST, \$1000

CEMENT WORK
(2818) UNIVERSITY OF CALIFORNIA
Campus, Berkeley. Cement exterior
finish for east wing of Chemistry
Building.
Owner.....Regents of the University
of California.
Architect...John Galen Howard, 604
Mission, San Francisco.
Contractor...Leonard Bosch, 647 Fulton,
San Francisco.
COST, \$7940

DWELLING
(2819) S CARRISON 190 E Mable Ber-
keley. One-story 6-room dwelling.
Owner.....T. S. and W. D. Darby.
Architect...None.
Contractor...A. A. S. Pollard, 574 8th,
Oakland.
COST, \$2000

DWELLING
(2820) E FRESNO 120 S Solano, Ber-
keley. One-story 6-room dwelling.
Owner.....C. E. Sinclair, Y. M. C. A.,
Berkeley.
Architect...None.
Day's work. COST, \$3000

FRAME STORES
(2835) E COLLEGE 180 N Ashby Ave.,
Berkeley. One-story frame (3) stores.
Owner.....F. C. Curry, 2745 Elmwood
Ave., Berkeley.
Architect...Eugene R. Martin, 2192
Shattuck Ave., Berkeley.
Day's work. COST, \$2400

DWELLING
(2846) COR. ALLSTON WAY AND
Tenth, Berkeley. One-story five-room
dwelling.
Owner.....H. Joutsen, 1012 Allston
Way, Berkeley.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS
(2847) NO. 2507 SHATTUCK AVE.,
Berkeley. Alterations.
Owner.....Merrill.
Architect...None.
Contractor...Chas. Fleischer, 2032 Ban-
croft Way, Berkeley.
COST, \$100

ALTERATIONS
(2848) NO. 2417 LE CONTE AVE., Ber-
keley. Alterations.
Owner.....Miss Jessie Ure, Premises.
Architect...None.
Contractor...C. A. Doane, 3507 Grove,
Oakland. COST, \$400

DWELLING
(2849) W VALLEY 250 N Channing,
Berkeley. One and one-half-story
7-room dwelling.
Owner.....L. P. Jacobus, 2328 Valley,
Berkeley.
Architect...None.
Contractor...G. H. Wendt, 2425 Le Conte
Ave., Berkeley.
COST, \$2800

FRAME DWELLING
(2850) LOT 9 BLK 3 Map Hotel Clare-
mont Tract Map No. 2, Berkeley. All
work for two-story and basement
frame dwelling.
Owner.....R. C. Newell, 119 Bonita
Ave., Piedmont.

Architect...Noble Newsom, San Luis and Arlington, Berkeley.
Contractor...Frank S. Spring, Thousand Oaks, Berkeley.
Filed Dec 4, '16. Dated Dec. 4, '16.
Frame up 1/4
Brown coated 1/4
Completed 1/4
Usual 35 days..... 1/4
TOTAL COST, \$5500
Bond, none. Limit, 100 days from Dec. 5. Forfeit, plans and specifications, none.

DWELLING
(2855) N BEVERLY PLACE 60 E Monterey, Berkeley. One-story 5-room dwelling.
Owner.....E. A. Janssen, Hearst Bldg San Francisco.
Architect...None.
Day's work. COST, \$2000

DWELLING
(2856) N BEVERLY PLACE 200 E Monterey, Berkeley. One-story 5-room dwelling.
Owner.....E. A. Janssen, Hearst Bldg San Francisco.
Architect...None.
Day's work. COST, \$2000

DWELLING
(2857) N RUSSELL, 155 E Grove, Berkeley. One-story 6-room dwelling.
Owner.....Andrew J. Swan 1915 Russell, Berkeley.
Architect...None.
Contractor...J. Lehman, 959 Appgar, Berkeley.
COST, \$2300

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2831	Eldridge	Wieben	2450
2832	Van Tagen	Hardin	1000
2833	Zuigg	Reuberth	450
2834	Gibson	Swenson	400

DWELLING
(2831) W ELM 317 S Buena Vista Ave Alameda. One-story 5-room dwlg.
Owner.....Johanna Eldridge, 1238 19th Ave., Oakland.
Architect...None.
Contractor...A. C. Wieben, 1461 Alice, Oakland.
COST, \$2450

ALTERATIONS
(2832) NO. 1260 HAWTHORNE, Alameda. Alterations.
Owner.....H. Van Tagen, 1562 Pacific Ave., Alameda.
Architect...None.
Contractor...O. L. Hardin, 1564 Pacific Ave., Alameda.
COST, \$1000

ALTERATIONS
(2833) NO. 1419 PARK, Alameda. Alterations.
Owner.....Wm. Zuigg, Premises.
Architect...None.
Contractor...H. Reuberth, 2503 Santa Clara Ave., Alameda.
COST, \$450

ALTERATIONS
(2834) NO. 1247 COLLEGE AVE., Alameda. Alterations.
Owner.....C. Gibson, Premises.
Architect...None.

Contractor...L. Swenson, 2242 Euclid Ave., Alameda.
COST, \$100

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
Dec. 7, 1916—FRESNO (Depot Bldg).
Southern Pacific Co to whom it may concern.....Nov. 28, 1916

ALAMEDA COUNTY SUMMARY. OAKLAND.

Classification of Buildings	No. of Permits	Costs
1-story dwellings.....	50	\$ 93,460.00
1 1/2-story dwellings.....	2	5,000.00
2-story dwellings.....	13	65,000.00
2-story apartments.....	1	7,000.00
1-story 1-room schools	4	2,600.00
1-story stores.....	3	6,306.00
1-story toilet buildings	1	4,775.00
1-story office.....	2	150.00
1-story machine shop..	1	5,000.00
1-story warehouse.....	1	150.00
1-story greenhouse.....	1	75.00
2-story reinforced concrete warehouse....	1	20,000.00
1-st concrete garage....	1	275.00
1-st brick warehouse....	1	1,500.00
1-story brick garage....	1	4,806.00
2-story brick addition to laundry.....	1	8,500.00
1-story brick factory..	1	7,500.00
Garages, sheds and stables.....	39	5,686.00
Workshops.....	2	240.00
Electric signs.....	13	2,715.00
Marquise.....	1	375.00
Additions.....	61	13,162.00
1-story factories.....	5	3,500.04
Alterations & repairs..	91	23,792.45
Total.....	297	\$281,868.45

SUMMARY.

New construction.....	206	\$258,075.00
Alterations & repairs..	91	23,792.45

Total.....297 \$281,868.45
November, 1915, 275 permits; cost, \$155,460. Increase, 22 permits; value, \$173,591.45.

Total for January to November, 1916, inclusive, 3248 permits; value, \$4,978,250.45.

Total for January to November, 1915, inclusive, 3099 permits; value, \$4,758,739.89.

Increase over 1915, 329 permits; value, \$219,510.56.

BERKELEY.

Private construction.....	\$113,743
University work.....	7,940

Total.....\$121,683
November, 1915.....\$173,075

Decrease.....51,393
Total January to November, 1916, inclusive, \$2,211,652.

Total January to November, 1915, inclusive, \$1,728,025.

Increase over, 1915, \$483,627.

ALAMEDA.

Construction for November.....	\$25,270
November, 1915.....	61,521

Decrease.....36,251
Total January to November 1916, inclusive, \$597,712.

Total January to November, 1915, inclusive, \$362,079.

Increase over 1915, \$235,633.

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Dec. 1, 1916—NE RIGHT OF WAY line of C. P. Railway Co 3600 NW 38th Ave SW 100xNW 800, Okd. Central Pacific Railway Co as to improvements on leased property.
Dec. 4, 1916—N LINE STATION Reservation and W county road at Estudillo Station S 502 NW 709 NE 130 SE 224, Alameda Co. Central Pacific Railway Co as to improvements on leased property.....

COMPLETION NOTICES

ALAMEDA COUNTY.

RECORDED ACCEPTED
Dec. 1, 1916—PTN LOT 11 BLK "G" Revised Map Piedmont Park, Piedmont. Mrs Cleveland H Baker to S P Bertelsen.....Nov. 27, 1916
Dec. 2, 1916—LOT 20 BLK 7 Map San Pablo Park, Okd. Arvid E Olson to whom it may concern.....Dec. 1, 1916
Dec. 2, 1916—NW COLLEGE & MILES Aves W 7641 NW 31 NE \$8.52 S 33.28, Okd. William P and Johanna Jacoby to Charles L Gifford.....Nov. 27, 1916
Dec. 2, 1916—W SANTA CLARA AVE 82.22 N Crescents on curve to right 40.09 SW 82.90 SE 40 NE \$5.45, Okd. L W Andersen to whom it may concern.....Nov. 29, 1916
Dec. 2, 1916—N ADDISON 21 SW California SW 45xNW 133, Bkly. J J O'Connell to Gustaf Johanson.....Nov. 22, 1916
Dec. 4, 1916—E GROVE 50 N 46th N 25x50 90, Okd. John T Holloway to whom it may concern.....Dec. 1, 1916
Dec. 4, 1916—E GROVE 75 N 46th N 25x90 90, Okd. John T Holloway to whom it may concern.....Dec. 1, 1916
Dec. 4, 1916—LOT 16 BLK "D" Map Waterside Terrace, Ala. Mark T Cole to whom it may concern.....Nov. 26, 1916
Dec. 4, 1916—S SEVENTH 75 W Myrtle 25x90, Okd. G Merlino to Edward Olsen.....Dec. 2, 1916
Dec. 5, 1916—LOT 7 BLK 33 Amended Map, Fairmont Park, Albany. A H Pallen to whom it may concern.....Dec. 5, 1916—LOTS 40 AND 41 Peralta Tract Tract being E Laguna Ave 70 N Montana, Okd. Minnie A Kellogg to whom it may concern.....Dec. 1, 1916
Dec. 5, 1916—SE SEVENTH AVE & SW E-11th SW 30xSE 10, Okd. W F Fox to C M Smith.....Dec. 2, 1916
Dec. 5, 1916—PTN LOT 13 BLK "S" Oakland Heights Tract, being E Jean 200 S Santa Clara Ave, Okd. Minnie A Kellogg to I Arzel Kellogg.....Dec. 2, 1916
Dec. 5, 1916—W CAPELL 200 N Cleveland Ave, being No. 567, Okd. Mrs E J Spiller to A J Bellefontaine.....Dec. 1, 1916
Dec. 5, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James K Moffitt Estate to Stobbe & Romak, Dec. 1, 1916; The Turner Co, Dec. 1, 1916; Rutte Eng & Elec Co, Dec. 1, 1916 Stockholm & Allyn.....Dec. 1, 1916
Dec. 6, 1916—S LINCOLN AVE 620 W 5th W 35xS 155, C. B. Bergersen to A H Rose & Co.....Nov. 20, 1916
Dec. 6, 1916—LOT "1" North Terrace Tract, Bkly. Chas F Logan to Geo H De Kay Jr.....Dec. 1, 1916
Dec. 7, 1916—N LINCOLN 45 E Call-

foinda E 57XN 100, Bkly. Chas J Roberts to Eric Jacobson and Chas A Blom.....Dec. 4, 1916

Dec. 7, 1916—W 1/2 LOT 11 BLK "D" Map Reshdvn Haight Tract, — Mrs Chas Teresa Hessmann to whom it may concern.....Dec. 5, 1916

Dec. 7, 1916—LOT 2 BLK "D" Map Excelsior Heights, Okd. Realty Syndicate Co to F N Strang, J C O'Connor and J R Elrod (O'Connor & Elrod).....Nov. 29, 1916

Dec. 7, 1916—E FRANKLIN 477.3 N 14th N 180.3XE 150, Okd. William E Miller Est Co to The J Llewellyn Co, Nov. 27; Bay Engineering Co, Nov. 27; Schrader Iron Works, Nov. 27; Vermont Marble Co, Nov. 27; J Gensler, Nov. 27; L W Blake, Nov. 27; R D Felt, Nov. 27; P A Palmer, Nov. 27; The Turner Co, Nov. 27; California Plate Glass Window CoNov. 27, 1916

Dec. 8, 1916—(1) SW SECOND and Franklin 100X75; (2) S Second bet Broadway and Franklin 28X75, Okd. The Fruit & Produce Realty Co, Inc to Wm J Bacus.....Dec. 7, 1916

Dec. 8, 1916—LAND AND WHARF at foot of Seventh, Key Route Basin, Oakland. Albers Bros. Milling Co to John Vukovich, Dec. 4, 1916

Dec. 8, 1916—S ELEVENTH 125 E Broadway E 175XS 160, Okd. James Moffitt Estate Co to Floodberg & McCaffery.....Dec. 6, 1916

Dec. 8, 1916—PIER. TERMINAL. Trestle and Pihin, S F Bay. San Francisco Oakland Terminal Railway to Union Signal Constr Co.....June 24, 1916

Dec. 8, 1916—PIER TERMINAL & trestle in S F Bay. San Francisco Oakland Terminal Railway to Union Signal Constr Co.....Dec. 4, 1916

LIENS FILED

ALAMEDA COUNTY.

RECORDED **AMOUNT**

Nov. 28, 1916—N 5 LOT 191; all Lot 193 and S 5 Lot 195 Map Terminal Junction Tract, Albany. Rhodes-Jamieson & Co, \$54.85 and \$54.80 (2 liens) vs J W and Madge H Jones and J W Wilson.....

Dec. 1, 1916—S THIRTEENTH 129 E Center E 25XS 110, Okd. Melrose Lumber & Supply Co vs Frank Damanto\$330.81

Dec. 2, 1916—N 5 LOT 191 Lot 193 & S 5 Lot 195 Sheet 2, Map Terminal Junction Tract, Albany. Eureka Mill & Lumber Co, \$184.50; Eureka Mill & Lumber Co, \$184.50 vs Madge H and Jesse W Jones (2 liens).....

Dec. 2, 1916—N 5 LOT 191 all Lots 193 and 195 and S 15 Lot 197, Terminal Junction Tract, Albany. A Weymouth vs Madge H and J H Jones\$26

Dec. 4, 1916—LOT 4 BLK 4 Map Key Route Terrace No. 2, Okd. W F Manley vs Oakland Investment Co, N J Irish, 1st Doe, 2nd Doe, 3rd Doe and 4th Doe\$23.50

Dec. 5, 1916—SE WARD and WASHINGTON Ave S 44 E 55 N 19.8 W 17 N to Ward S 44, San Leandro. Eureka Mill & Lumber Co vs J V Howard and Annexation Invest Co\$16

Dec. 6, 1916—S SUMMER or Cavour 121.50 E Miles Ave E 50XS 125, Okd. George Williams vs C W Hanson.....\$45

SAN JOSE AND THE SANTA CLARA VALLEY.

DRAINAGE DITCH AND CULVERT—Cost as follows. San Jose, Santa Clara Co, Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. At the last meeting of the County Supervisors, the contract for the construction of the Foxworthy drainage ditch, also construction of a reinforced concrete culvert on Plummer avenue, was awarded to the Raich Improvement Co, 1108 Crocker Bldg., S. F., for the sum of \$11,790.

APARTMENT HOUSE—3 story and base, frame, \$35,000. San Jose, Santa Clara Co, Cal. Architect, Charles S. McKenzie, Bank of San Jose Bldg., San Jose. Owner, Mr. Phillips. Location, near St. James Park. Will contain a number of two, three and four room apartments. Plans complete and figures being taken.

BANK—2 story and base, brick and steel, \$10,000. South San Francisco, San Mateo Co., Cal. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owners, Bank of South San Francisco. Will cover an area of 50 by 90 feet. Plans complete and figures being taken.

Contract Awarded.

BRIDGE—Reinforced concrete. Cost as follows. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. At the last meeting of the County Supervisors, the contract for the construction of one reinforced concrete bridge on Alviso and Mountain View road on the line between Supervisor Districts Nos. 4 and 5, was awarded to R. H. Jamison, Coffin Road, Santa Clara, for the sum of \$860.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

BUNGALOW

STANFORD CAMPUS, Palo Alto. All work for bungalow.

Owner.....Stanford University.

Architect.....None.

Contractor.....Anton Jensen.

Filed Dec. 6, '16. Dated Dec. 5, '16.

On 1st of each month.....75%

Usual 35 days.....Final

TOTAL COST, \$2357

Bond, \$1179. Sureties, A. O. Sonnicken and W. P. Gray. Limit, 60 days from date. Forfeit, none. Plans and specifications filed.

BRICK POST OFFICE

SUNNYVALE. All work for one-story brick post office.

Owner.....C. L. Stowell, 63 S-Sixth St., San Jose.

Architect.....O. M. Vrooman, 58 S-First St., San Jose.

Contractor.....George D. Huston.

Filed Nov. 29, '16. Dated Nov. 29, '16.

Brick work up.....\$576.75

1st coat plaster on.....576.75

Job accepted.....576.75

Usual 35 days.....576.75

TOTAL COST, \$2307.60

Bond, \$1158.50. Surety, Austin M. Barnes. Limit, 45 days from Dec. 1. Forfeit, \$1 per day. Plans and specifications filed.

FRAME DWELLING

LOT 35 BLK 1, San Jose. All work for one-story frame dwelling.

Owner.....C. Catania.

Architect.....Andrew P. Hill Jr., Porter Bldg., San Jose.

Contractor.....S. Dicola and E. Scotti, 598 N-11th St., San Jose.

Filed Dec. 1, '16. Dated Nov. 29, '16.

Frame up.....\$250

Roof on.....500

Accepted.....820

36 days after.....520

TOTAL COST, \$2320

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED **ACCEPTED**

Dec. 2, 1916—FOURTH AND RAILROAD, San Jose. C P Bailey & Sons Co to whom it may concern.....Nov. 29, 1916

Dec. 5, 1916—LOTS 6, 7, 21, 22 and 23, Lendrun Tct, San Jose. Margaret Selenia Stevens to whom it may concern.....Dec. 4, 1916

Dec. 6, 1916—LINDEN GULCH near Los Gatos. Oaks Sanitarium to A H Wilhelm.....Nov. 27, 1916

RELEASE OF LIENS

SANTA CLARA COUNTY.

RECORDED **AMOUNT**

Dec. 7, 1916—LOT 6 BLK 1 Roberts Elm Tree Shdvn, San Jose. San Jose Lumber Co to Carrie M Roberts\$530.05

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME RESIDENCE

SE PTN LOT 1, J J Moore Tract near Woodside. All work except foundations for two-story frame and concrete residence with basement and garage in basement.

Owner.....Dr. George D. Lyman, 240 Stockton, San Francisco.

Architect.....Bliss & Faville, Balboa Bldg., San Francisco.

Contractor.....W. C. Duncan & Co., S. F.

Filed Nov. 27, '16. Dated Nov. 21, '16.

Monthly installments of 75%.....\$7395.75

36 days after 25%.....2465.25

TOTAL COST, \$9861.00

Bond, \$4930.50. Surety, New Amsterdam Casualty Co. Limit, March 21, 1917. Forfeit, \$10 per day. Plans and specifications filed.

RESIDENCE AND GARAGE

PTN LOTS 1 AND 2 BLK 1 of Palmer Sub of Lots 1, 2 and 3, San Mateo Park, San Mateo. All work for one-story residence and garage.

Owner.....W. H. Cunningham.

Architect.....None.

Contractor.....R. Caldwell, 152 Ellsworth Ave., San Mateo.

Filed Nov. 23, '16. Dated Nov. 20, '16.

When enclosed.....\$787.50

When plastered.....787.50

When completed.....787.50

Usual 35 days.....787.50

TOTAL COST, \$3150.00

Bond, \$1575. Surety, Guardian Casualty & Guaranty Co. Limit, 90 days. Forfeit, \$5 per day. Plans and specifications filed.

RESIDENCE AND GARAGE

PTN LOTS 1, 2 AND 3 BLK 1 of the Palmer Sub of Lots 1, 2 and 3, San

Mateo Park, San Mateo. All work for one-story frame residence and garage.

Owner.....W. H. Cunningham.

Architect.....None.

Contractor.....R. Caldwell, 155 Ellsworth Ave., San Mateo.

Filed Nov. 23, '16. Dated Nov. 20, '16.

When enclosed\$787.50

When plastered787.50

When completed787.50

Usual 35 days787.50

TOTAL COST, \$3150.00

Bond, \$1575. Surety, Guardian Casualty & Guaranty Co. Limit, 90 days. Forfeit, \$5 per day. Plans and specifications filed.

MAUSOLEUM

HOME OF PEACE CEMETERY, Lot 7

Plat 1 Section 6, Colma. All work for bronze and concrete mausoleum for ten receptacles.

Owner.....P. I. Jacoby, 832 Sansome, San Francisco.

Architect.....None.

Contractor.....Ettore N. Bernieri, 703 Market, San Francisco.

Filed Nov. 24, '16. Dated Nov. 21, '16.

Concrete work finished.....\$1500

Granite work finished.....2000

When completed2000

Usual 35 days850

TOTAL COST, \$6350

Bond, \$3175. Surety, Massachusetts Bonding & Insurance Co. Limit, 150 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

SOUTH SAN FRANCISCO, San Mateo.

All work except electrical work and lighting fixtures for two-story frame residence.

Owner.....Chas. F. Schurk and Alma Florence (wife).

Architect.....Owner.

Contractor.....Wm. F. Dreyer, 435 Green Ave., South San Francisco.

Filed Nov. 24, '16. Dated Nov. 23, '16.

Frame up\$575

Brown coated575

Completed, etc.575

Usual 35 days590

TOTAL COST, \$2215

Bond, \$1200. Surety, Fred A. Steinhmann. Limit, 95 days. Forfeit, none. Plans and specifications filed.

COTTAGES

LOTS 27 AND 31, Husing Addition, San

Mateo. All work for one one-story four-room frame cottage on one one-story 5-room frame cottage.

Owner.....E. A. Husing, 419 B St., San Mateo.

Architect.....S. McClure, Burlingame.

Contractor.....Kroop & Keegan, San Mateo.

Filed Nov. 27, '16. Dated Nov. 22, '16.

Both cottages framed.....\$806.25

When plastered806.25

Both cottages completed.....806.25

Usual 35 days806.25

TOTAL COST, \$3225.00

Bond, none. Limit, March 1, 1917. Forfeit, none. Plans and specifications filed.

SCHOOL

SPRUCE ST AND MILLER AVE, South

San Francisco. Materials, appliances, scaffolding, cottage, etc., for erecting two-story and basement brick and concrete high school building.

Owner.....South San Francisco High School District.

Architect.....W. H. Weeks, 75 10th St.,

San Francisco.

Contractor.....Howard S. Williams,

Hazard Bldg., S. F.

Filed Nov. 8, '16. Dated Nov. 7, '16.

As work progressed700

Usual 35 days250

TOTAL COST, \$4400

Bond, \$22,000. Surety, American Surety Co. Limit, 100 working days. Forfeit, \$10 per day. Plans and specifications filed.

PLUMBING ON ABOVE

Contractor.....W. L. Hicks, Grand S.

South San Francisco.

Filed Nov. 28, '16. Dated Nov. 27, '16.

As work progressed700

Usual 35 days250

TOTAL COST, \$1100

Bond, \$1975. Surety, T. J. Hickey and L. P. Kauffman. Limit, 100 working days. Forfeit, \$25 per day. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE

Contractor.....The Turner Co., 248 Na-

tomia, San Francisco.

Filed Nov. 28, '16. Dated Nov. 27, '16.

Payments same as above700

TOTAL COST, \$6000

Bond, \$1000. Surety, Massachusetts Bonding & Insurance Co. Limit, 160 days. Forfeit, \$25 per day. Plans and specifications filed.

FRAME DWELLING

LOT 12 BLK 21 Easton Addition to

Burlingame No. 2, Burlingame. All

work for one-story frame dwelling.

Owner.....Edward L. McKoskey, 16th

and Harrison, S. F.

Architect.....Thomas M. Edwards, Bank

Bldg., Burlingame.

Contractor.....J. W. Monroe, 690 61st, Okd.

Filed Nov. 28, '16. Dated Nov. 27, '16.

Framed and sheathed.....\$750

When plastered750

When completed750

Usual 35 days775

TOTAL COST, \$3025

Bond, \$1512. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, \$5 per day. Plans and specifications filed.

FRAME DWELLING

LOT 12 BLK 21 Easton Addition to Bur-

lingame No. 2, Burlingame. All

work for one-story frame dwelling.

Owner.....Charles H. Finger, 99 Mar-

ket, San Francisco.

Architect.....Thomas M. Edwards, Bank

Bldg., Burlingame

Contractor.....J. W. Monroe, 690 61st, Okd

Filed Nov. 28, '16. Dated Nov. 27, '16.

Framed and sheathed.....750

When plastered760

When completed760

Usual 35 days770

TOTAL COST, \$3050

Bond, \$1527. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ADDITION

PORTRICA near Woodside. Concrete work, brick work, capacity plumbing, electric work, etc., for one and two-story frame, local and battin addition to present residence.

Owner.....William Fitzhugh, 275

Broadway, San Francisco.

Architect.....Charles Ed Dodge, 749

Market, San Francisco.

Contractor.....F. W. Fox, 835 Cowper St.,

Palo Alto.

Filed Dec. 5, '16. Dated Nov. 29, '16.

Foundations completed\$1647

Roof rafter ready shingled1617

Roofs shingled, etc.1647

Plumbing fixtures in place.....1647

Completed and accepted.....1647

Usual 35 days2745

TOTAL COST, \$10,950

Bond \$10950. Surety, National Surety Co. of New York. Limit, 60 days after Dec. 3, 1916. Forfeit, \$5. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED

Nov. 23, 1916—SECOND AVE AND A

St, San Mateo. Parrott Invest Co to

Leadley & Wiseman.....Nov. 17, 1916

Nov. 23, 1916—LOT 11 BLK 4 East

San Mateo, San Mateo, Susanna

Dalve to Arnold & Moorey.....

.....Nov. 24, 1916

Nov. 27, 1916—LOT 2 BLK 4 Metropolis

Homestead Tract, Daly City. Metro-

politan Homestead Co to Charles

U Carlson.....Nov. 24, 1916

Nov. 28, 1916—LOT 16 BLK 53, Bowie

Estate, San Mateo. Ernest Freder-

erick Baer to D F Valentine.....

.....Nov. 27, 1916

Nov. 29, 1916—LOTS 13 AND 14 BLK

45 Bowie Estate Addition, San Ma-

teo. J A Henry Stoeckle to Croop &

Keegan.....Nov. 25, 1916

Dec. 4, 1916—LOT 24 BLK 145 South

San Francisco. Antonio Revello to

P Carraro.....Dec. 1, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

ROAD CONSTRUCTION—Cost as fol-

lows: San Rafael, Marin Co., Cal. En-

gineer, County Surveyor, San Rafael.

Owners, Marin County. The County

Supervisors have awarded to S. T.

Prownlee, County Road, Kentfield, two

contracts, one providing for the widen-

ing and improvement of the road be-

tween the summit of Bolinas ridge and

Bolinas Bay for \$9,000, the other for

\$15,000, providing for a new grade to

eliminate the dangerous curves and

dips of the present county road along

the east side of Tomales Bay in the

vicinity of Marshalls.

FIRE HOUSE—2 story and base, re-

inforced concrete, \$12,000. San Rafael.

Marin Co., Cal. Architects, Masten &

Loubet, First National Bank Bldg., S.

F. Owners, City of San Rafael. Will

contain apparatus room and living

quarters. Plans complete and figures

being taken. Bids open on December

22nd. Plans from either the architects

or City Clerk.

SCHOOL FIRE ESCAPES—Cost not

stated. Vallejo, Solano Co., Cal. Ar-

chitect, none. Owners, City of Vallejo.

Bids will be opened on December 27th

for furnishing and installing fire es-

capades on the Lincoln Grammar School

building. Plans can be secured from

James H. Topley, Chairman of the

Building and Grounds Committee, Val-

lejo.

SCHOOL ADDITION—2 story and

base, brick \$20,000. Richmond, Contra

Costa Co., Cal. Architect, James T.

Nyrbett, Richmond. Owners, City of

Richmond. A complete list of the bids

opened for this work will be found

under the heading of Bids Opened in this issue.

THEATRE—1 story and base, concrete and frame. Cost not stated. Monte Rio, Sonoma Co., Cal. Architect, none. Owner, Leland S. Murphy. Designed for a motion picture theatre seating about 300. Plans are being prepared.

BUILDING CONTRACTS

MARIN COUNTY.

CONCRETE GARAGE

SAN RAFAEL. Carpenter work, concrete, etc., for one-story reinforced concrete garage building.

Owner.....Jules Levy, 430 Petaluma Ave., San Rafael.

Architect...J. W. Dolliver, 701 Royal Insurance Bldg., S. F.

Contractor...Harvey A. Klyce, Mill Valley, Cal.

Filed Dec. 6, '16. Dated Dec. 4, '16.

On 1st of each month..... 75%

Usual 35 days, balance..... 25%

TOTAL COST, \$10,384

Bond, \$5192. Surety, New Amsterdam Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLAT AND STORE

SAN ANSELMO. Carpenter work, lathing and plastering, etc., for frame flat and store building.

Owner.....A. B. and Clara Shearer, San Anselmo.

Architect...J. W. Dolliver, 701 Royal Insurance Bldg., S. F.

Contractor...Wm. Yeo, Raymond Tract, Kentfield, Cal.

Filed Dec. 1, '16. Dated Nov. 28, '16.

Building enclosed\$622.50

Building plastered 622.50

When accepted 622.50

Usual 35 days..... 622.50

TOTAL COST, \$2490.00

Bond, limit, forfeit, none. Plans and specifications filed.

HEATING SYSTEM

SAN RAFAEL. Heating system in County Court House.

Owner.....County of Marin.

Architect...None.

Contractor...T. P. Jarvis, Crude Oil Burner Co., 275 Connecticut St., San Francisco.

COST, \$675

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Dec. 4, 1916—**TIBURON.** Hugh A.

Boyle to whom it may concern....

.....Dec. 4, 1916

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME COTTAGE

TENTH ST. bet. Ripley and Pennsylvania, Richmond. One-story frame cottage.

Owner.....J. C. Nelson, Second and Russell Sts., Richmond.

Architect...None.

Contractor...E. A. F. Carson, 4323 19th St., San Francisco.

COST, \$1500

BRICK STORES

FOURTH AND G STS. Antioch. One-story and basement brick stores.

Owner.....O. E. Klengel, Antioch,

Cal. (leased to The Pacific Tel. & Tel. Co.)

Architect...None.

Day's work.....**COST, \$7500**

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA.

BRIDGES—Timber and concrete.

Cost as follows. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners Kings County. J. E.

Hines of Tulare, Tulare County, has been awarded the contract for the construction of a three-pile bridge to span

Cross Creek northwest of Corcoran in the county improved highway. Mr.

Hines' bids were: Trestle No. 1, \$1,000; trestle No. 2, \$1,350; trestle No. 3, \$850.

Bids were also opened for the construction of a reinforced concrete

bridge over the Last Chance Canal four miles west of this city. On this work

the Adell-Conright Concrete Pipe Co., of Hanford, was the successful bidder.

HOSPITAL—2 story and base, brick. \$20,000. Turlock, Stanislaus Co., Cal.

Architect, O. C. Edberg, Turlock. Owners, Swedish Mission Church, Rev. A. G.

Delhor, 710 West Main street, Turlock, in charge. Will contain both wards

and private rooms, operating room and office. Plans complete and figures to be

opened on December 19th. Plans from Rev. Delbor.

HOTEL ADDITION—1 story, brick. Cost not stated. Fresno, Fresno Co.,

Cal. Architect, none. Owners, Fresno Hotel and Investment Co. Location, I

and Merced streets. The new addition will contain forty rooms and the same

number of baths. Plans are being prepared. Further information may be

had from H. Wingate Lake, Manager of the Fresno Hotel.

STREET IMPROVEMENT—Cost not stated. Bakersfield, Kern Co., Cal.

Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Bids will

be opened on December 20th for street improvements authorized under the

following resolution: That 20th street, between G street and Cedar street, be

graded and sub-base tamped, and that asphalt concrete pavement with a sheet

asphalt wearing surface; cement concrete curbs, gutters and sidewalks; cement

concrete culverts covered with corrugated iron and provided with cast

iron manhole frames fitted with steel covers, be constructed thereon.

JAIL ALTERATIONS AND ADDITIONS—2 story and base, reinforced

concrete, \$45,000. Visalia, Tulare Co., Cal. Architect, Ernest Kump, Rowell

Bldg., Fresno. Owners, Visalia County. Work will consist of concrete, masonry,

carpentry work, electric work, plumbing and heating and structural steel

work. New cell blocks will also be installed. Plans are complete and figures

being taken. Bids open on January 5th. Plans can be secured from the County

Clerk or the office of the architect.

GARAGE—1 story and base, brick. Cost not stated. Bakersfield, Kern Co.,

Cal. Architect, J. M. Saffell, New Fish Bldg., Bakersfield. Owner, Geo. Habersfeld (Ford Agent). Will cover an

area of 115 by 264 feet. Plans are being prepared.

LODGE HALL AND STORE—3 story and base, brick, \$85,000. Visalia, Tulare Co., Cal. Architects, Swartz &

Swartz, Rowell Bldg., Fresno. Owners, Visalia Lodge of Elks. Location, Main

and Locust streets. Will contain stores on the first floor and lodge halls and living apartments on the upper floors. Plans approved and figures to be called for shortly.

STORES—1 story and base, brick, \$10,000. Turlock, Stanislaus Co., Cal.

Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owners, Anderson, Chatum & Fernando. Will cover

an area of 25 by 80 feet and contain three stores. Plans are being prepared.

Contract Awarded.

GARAGE—1 story and base, hollow tile, \$14,100. Taft, Kern Co., Cal. Architect, J. M. Saffell, New Fish Bldg.,

Bakersfield. Owner, George Habersfeld. Contractors, Parlier & Green, Tulare. Contract price, \$14,100.

HIGHWAY CONSTRUCTION—\$47,720.70. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield.

Owners, Kern County. Contractor, George A. Benson, Stimson Bldg., L. A.

Contract price, \$47,720.70.

BUILDING CONTRACTS

FRESNO COUNTY.

SCHOOL

BLK 132, Fresno. All work except heating for high school.

Owner.....Fresno School Board.

Architect...Coates & Traver, Rowell Bldg., Fresno.

Contractor...J. L. Daly, Griffith-McKenzie Bldg., Fresno.

COST, \$47,200

HEATING ON ABOVE.

Contractor...J. C. Hurley, 509 6th St., San Francisco.

COST, \$6705

DWELLING

LOT 11 BLK 22, Fresno. Dwelling.

Owner.....W. H. Knapp, 3003 Illinois St., Fresno.

Architect...None.

Contractor...Hansen Constr. Co., 2225 Fresno St., Fresno.

COST, \$5500

DWELLING

LOTS 19 & 20 BLK 4 Bartlett Heights, Fresno. Dwelling.

Owner.....M. E. Burnett, 3004 Washington St., Fresno.

Architect...None.

Contractor...W. T. Harris, 2916 Washington St., Fresno.

COST, \$1000

STORE

LOTS 1 AND 2 BLK 1, Hartley Add'n., Fresno. Store.

Owner.....F. C. Pavia.

Architect...None.

Contractor...J. C. Templeton, 327 Howard St., Fresno.

COST, \$2200

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
Dec. 6, 1916—**LOTS 22 AND 23 BLK**

86, Fresno. D. H. Trowbridge and L O Stephens to R F Felchin....

.....Dec. 1, 1916

Dec. 2, 1916—**LOTS 12 TO 16 BLK 340,**

Fresno. First Church of Christ Scientist to Trewhitt-Shields Co and Ideal Heating & Engineering Co.....Nov. 29, 1916

Dec. 4, 1916—**FRESNO** (Southern

Pacific Depot, Southern Pacific Co
to Scott Co. Nov. 25, 1916

LIENS FILED

FRESNO COUNTY.

RECORDED **AMOUNT**
Dec. 1, 1916—LOT 9 BLK 20, Alta
Vista Addition, Fresno. Craycroft-
Herrold Brick Co vs J L Miller and
L R Duncan\$98
Dec. 5, 1916—LOT 9 BLK 20 Alta
Vista Tract, Fresno. Hiram Routt
vs L R Duncan and J L Miller . \$301

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

STREET IMPROVEMENTS—Cost not
stated. Sacramento, Cal. Engineer,
City Engineer, Sacramento. Owners,
City of Sacramento. Contracts for
street improvements have been awarded
under the following resolutions:
That the alley first north of California
Boulevard in Elmhurst, in the city of
Sacramento, be improved, from Helve-
tia avenue to Elmhurst avenue, by ex-
cavating a trench and constructing
therein 8, 10, and 12-inch, vitrified,
ironstone pipe sewers.

That Marshall avenue, near California
Boulevard, in Elmhurst in the city
of Sacramento, be improved by ex-
cavating a trench and constructing
therein an 8-inch, vitrified pipe sewer.

That Monterey avenue, near California
Boulevard in Elmhurst, be im-
proved by excavating a trench and con-
structing therein an 8-inch, vitrified
ironstone pipe sewer.

That San Diego avenue, in Elmhurst,
be improved by excavating a trench
and constructing therein an 8-inch,
vitrified, ironstone pipe sewer, back-
filling the trenches, constructing eight
concrete manholes complete; one 6-
inch, vitrified, ironstone flusher branch
complete; placing 14 6-inch, vitrified,
ironstone Y branches on 8-inch pipe
sewer; placing 14 6-inch, vitrified, iron-
stone Y branches on 10-inch pipe sewer.
Awarded to Joe Lawrence, Broderick,
Cal.

That the three alleys between 2nd
avenue and 3rd avenue, in West Curtis
Oaks, be improved by constructing
therein an 8-inch, vitrified, ironstone
pipe sewer from the north line of 3rd
avenue to a point 7 feet north from the
south line of 2nd avenue in each of the
following named alleys: The alley first
west of 22nd avenue, the alley between
22nd avenue and 23rd avenue, and the
alley between 23rd avenue and 24th
avenue, etc. Constructing 66 concrete
manholes complete, placing 66 6-inch,
vitrified, ironstone Y branches on 8-
inch pipe sewer; placing 2 6-inch, vitri-
fied ironstone flusher branches com-
plete, replacing 150 square feet of oil
macadam pavement, doing all neces-
sary excavation and backfilling of
trenches and leaving streets and alleys
in their original condition. Awarded to
Joe Lawrence.

That the alley first south of 4th ave-
nue in West Curtis Oaks Addition, be
improved by excavating a trench and
constructing therein an 8-inch, vitrified,
ironstone pipe sewer, constructing 3
concrete manholes, complete; placing 33
6-inch, vitrified, ironstone Y branches
on 8-inch pipe sewer and backfilling
the trench. Awarded to Joe Lawrence.

That Central avenue, in Oak Grove,
be improved by excavating a trench
and constructing therein an 8 inch,
vitrified, ironstone pipe sewer; con-
structing one concrete manhole com-
plete, and backfilling the trench.
Awarded to Joe Lawrence.

That the alley between Stanley ave-
nue and Cluness avenue, and that the
alley between Cluness avenue and Bird-
sall avenue, and that the alley between
Hartley avenue and McFarlan avenue,
in Wright & Kimbrough Tract No. 21,
be improved by constructing therein an
8-inch, vitrified, ironstone pipe sewer;
five concrete manholes, complete; plac-
ing 96 6-inch, vitrified, ironstone Y
branches on 8-inch pipe sewer and do-
ing all necessary excavating and back-
filling of trenches. Awarded to Joe
Lawrence.

That portions of 25th street be im-
proved by grading the space between
the property line and curb, and con-
structing concrete sidewalks. Awarded
to A. Olson, 2724 First avenue, Sacra-
mento, Cal.

That the alley between Carmelo ave-
nue and Manzilla avenue be improved
by excavating a trench and construct-
ing an 8-inch, vitrified, ironstone pipe
sewer, two concrete manholes, com-
plete; placing 21 6-inch, vitrified, iron-
stone Y branches on 8-inch pipe sewer
and backfilling the trench. Awarded to
W. J. Tobin, 735 Filbert street, Oakland.

That the easement granted to the
city of Sacramento for the purpose of
constructing therein a sewer on the
southerly three feet of lots 145 to 173
inclusive, between 3rd avenue and 4th
avenue, in West Curtis Oaks Addition,
be improved by constructing therein
an 8-inch, vitrified, ironstone pipe sewer;
four concrete manholes, complete,
placing one flusher branch complete;
placing 50 6-inch, vitrified, ironstone Y
branches on 8-inch, vitrified, ironstone
pipe sewer and backfilling the trench.
Awarded to J. W. Terrell, 1111 29th
street, Sacramento.

THEATRE ALTERATIONS—Brick
and concrete. Cost not stated. Chico,
Butte Co., Cal. Architect, Chester Cole,
Waterland Bldg., Chico. Owner, John
Konning. Location, Broadway near
Second. Work will consist of new in-
terior trim, installation of a ventila-
tion system and electric wiring. Plans
are being prepared.

ROAD CONSTRUCTION—\$12,000.
Stockton, San Joaquin Co., Cal. Engi-
neer, County Surveyor, Stockton. Own-
ers, San Joaquin County. Bids have
been invited by the Board of Super-
visors for the improvement of the
Durham Ferry road. The road, which
is 6.8 miles long, is to be covered with
six inches of crushed rock bound with
oil. Plans for the work may be had
from the County Clerk at Stockton.

SEWER CONSTRUCTION—Cost not
stated. Eureka, Humboldt Co., Cal.
Engineer, City Engineer, Eureka. Own-
ers, City of Eureka. Bids will be
opened on December 19th at 5 p. m. for
sewer construction authorized under
the following resolutions: That a 6-
inch, vitrified, salt-glazed pipe sewer
be laid in C street, from the present
manhole situate at C and Henderson
streets, thence south in C street a dis-
tance of 350 feet, and having one lamp-
hole therein. Also separate bids for a
6-inch vitrified, salt-glazed pipe sewer

to be laid in alley running north and
south in block A of the Foster Addi-
tion, to be connected by a Y connec-
tion with the present sewer laid in
Harris street, thence south in said
alley a distance of 450 feet, and having
one lamp-hole therein.

Contract Awarded.

SCHOOL, 4 and 2 story, frame, \$20,-
698. Marysville, Yuba Co., Cal. Ar-
chitect, Julia Morgan, Merchants Ex-
change Bldg., S. F. Owners, City of
Marysville. Contractor, J. C. Evans,
Marysville. Contract price, \$20,698.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ALTERATIONS
BLK K, L, 9th and 10th Sts., No. 918
K St., Sacramento. Alterations and
additions to building.
Owner.....Fred W. Hahn, 906 K St.,
Sacramento.
Architect...None.
Contractor...E. W. Book, 2912 G St.,
Sacramento.
Filed Dec. 1, '16. Dated Nov. 28, '16.
COST, \$3745

GARAGE
W 1/2 OF N 1/2 LOT 7 BLK E, G, 16th and
17th Sts., Sacramento. Garage.
Owner.....A. C. Love, 1611 F St., Sacra-
mento.
Architect...None.
Contractor...A. W. Norris, 3012 G St.,
Sacramento.
COST, \$1600

ALTERATIONS
K, L, NINTH AND TENTH STS., Sacra-
mento. Remodel front and interior
of store.
Owner.....Fred W. Hahn, Thayer
Apartments, Sacramento.
Architect...None.
Contractor...E. W. Book, 2912 G St.,
Sacramento.
COST, \$7500

SIGN
K, L, FOURTH AND EIGHTH STS.,
Sacramento. Electric sign.
Owner.....New York Cloak & Suit
House, 724 K St., Sacra-
mento.
Architect...None.
Contractor...Standard Electric Works.
COST, \$800

ALTERATIONS
LOT 4, J, K, 4th and 5th Sts., Sacra-
mento. Install counters and repair
basement.
Owner.....Retail Grocers Association.
Architect...None.
Day's work. COST, \$600

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

DWELLING, ETC.
SEC 5 T 2 South Range East Mt.
Diablo, containing 20 acres, Stockton.
All work for five-room dwelling, tank
house, 3,000 gallon galvanized tank
and mill.
Owner... Mrs. W. H. Leffler, 528 N.
Stanislaus St., Stockton.
Architect...Ralph P. Morrill, 12 15 1
O. O. F. Bldg., Stockton.

DIRECT TO YOU

Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

Contractor, J. W. Waters, Ripon, Cal.
Filed Nov. 28, '16. Dated Nov. 21, '16.
Roof and tank house finished. \$658.00
Ready for inside wood finish. 458.25
All inside wood and sashes completed. 400.00
Accepted or usual 35 days. 438.25
TOTAL COST, \$1755.00
Bond, \$877.50. Sureties, A. J. Monroe
and A. R. Magruder. Limit, within 50
days after Nov. 21. Forfeit, repair all
damage. Plans and specifications filed.

plant to cost \$10,000,000. Options have
been secured on adjoining property and
the factory will occupy a total of 105
acres. The company will manufacture
automobiles, auto trucks, and gas en-
gines. Mr. Eisenhuth lives at the An-
gelus Hotel and states that the project
has been financed by eastern capital.

FACTORY GROUP—1 and 2 story,
frame and corrugated iron, \$100,000.
Huntington Park, Los Angeles Co., Cal.
Architects, Peoples & Cheney, Haas
Bldg., L. A. Owners, Warman Steel
Casting Co. The new plant will con-
sist of a main foundry building, 113 by
240 feet in size, 40 feet high, equipped
with a tention traveling crane with a
50-foot span; a pattern shop, 40 by 60
feet; storage room, 40 by 40 feet, and
an office building, 24 by 30 feet in size.
All the buildings will be of frame and
corrugated iron construction with con-
crete foundations, galvanized and cor-
rugated iron sides, composition roofing,
ventilators, steel and wood frame work.
Three electric furnaces and a special
oxy-acetylene welding plant will be in-
stalled. Plans are complete and figures
being taken.

HOSPITAL WARDS, ETC.—5 1, story
and 1 2 story, brick and concrete. Cost
not stated. Los Angeles, Cal. Engi-
neer, John Schulz, L. A. Owners, Los
Angeles County. Location, County Hospi-
tal site. Each of the one-story build-
ings will contain accommodations for
46 patients. The two-story building
will be used for a dining hall and ma-
ternity ward. Plans complete and fig-
ures being taken. Bids opened on Jan-
uary 8th.

HOSPITAL—1 story and base, frame
and plaster. Cost not stated. Los An-
geles, Cal. Architect, F. M. Drake, L.
A. Owners, Seventh Day Adventists.
Location, block bounded by Boyle ave-
nue, Daily street, New Jersey and Michi-
gan. Main portion will cover an area
of 110 by 34 feet with two wings each
33 by 20 feet. Plans complete and
work under way under the direction of
Superintendent J. W. Cartwright, Carter
Apartments, L. A.

STORES AND LOFTS—2 story and
base. Class A construction. Cost not
stated. Los Angeles, Cal. Architects,
Pierpont and Walter S. Davis, Ex-
change Bldg., L. A. Owners, Rowan
Estate and O. H. Churchill Co. Location,
northwest Sixth and Broadway. Will
contain stores on the first floor
and lofts above. Plans are being pre-
pared.

STORES AND LOFTS—2, 10 story
and base. Class A construction, \$350,
000. Los Angeles, Cal. Architects,
Frank L. Stiff, Van Noy's Bldg., and
George W. Harding H. W. Hellman

Bldg., L. A. Owner, M. J. Connell. Lo-
cation, Los Angeles between 7th and
8th streets, covering an area of 62 by
167 feet. Plans are being prepared.

THEATRE—1 story, frame and con-
crete, \$25,000. Los Angeles, Cal. Ar-
chitect, S. Tilden Norton, Title Insur-
ance Bldg., L. A. Owners, The Cleo
Madison Film Co. Location, Boyle and
Stephenson avenues, covering an eight
acre site. Plans are being prepared.

Contract Awarded.

STREET IMPROVEMENTS—\$25,305.
Upland, San Bernardino Co., Cal. Engi-
neer, City Engineer, Upland. Owners,
City of Upland. Contractors, W. C.
Cline and E. Robbins, Upland. Con-
tract price, \$25,305.

WAREHOUSE—5 story and base, re-
inforced concrete, \$75,000. Los Angeles,
Cal. Architect, John Parkinson, Se-
curity Bldg., L. A. Owners, Joannes
Bros. Contractors, Leonard & Peck, H.
W. Hellman Bldg., L. A. Contract price,
\$75,000.

STREET IMPROVEMENT — \$26,-
844.16. Los Angeles, Cal. Engineer,
City Engineer, L. A. Owners, City of
Los Angeles. Contractors, The Fair-
child-Gilmore-Wilton Co., 607 South
Main street, L. A. Contract price, \$26,-
844.16.

DEPARTMENT STORE—6 story and
base. Class A construction. Cost not
stated. Los Angeles Cal. Architect,
John Parkinson Security Bldg., L. A.
Owner, Arthur H. Fleming, leased to
the Blackstone Dry Goods Co. Loca-
tion, southwest 9th and Broadway. Con-
tractor, Weymouth Crowell, 902 South
Alvarado street, L. A. Contract price
not stated.

HIGHWAY CONSTRUCTION — \$12,-
265.60. Ventura, Ventura Co., Cal. En-
gineer, County Surveyor, Ventura. Own-
ers, Ventura County. Contractors, Mes-
mer-Rice Co., Marsh-Strong Bldg., L.
A. Contract price, \$14,265.60.

ROAD CONSTRUCTION — Cost not
stated. Santa Ana, Orange Co., Cal.
Engineer, County Surveyor, Santa Ana.
Owners, Orange County. Contractor,
Lee Garnsey, Central Bldg., L. A. Con-
tract price not stated.

PORTLAND AND OREGON.

SCHOOL—2 story and base, concrete
and brick, \$56,400. Astoria, Ore. Ar-
chitects, Whitehouse & Foulhoux,
Portland. Owners, City of Astoria. The
Astoria Construction Co., Astoria, sub-
mitted the lowest bid for this work at
\$56,400 and they will probably be
awarded the contract.

STORES AND RESTAURANT — 3
story and base, reinforced concrete.
Cost not stated. Portland, Ore. Archi-
tect, John V. Bennes, Chamber of Com-
merce Bldg., Portland. Owners, Hexter
& Strauss. Contractors, Litherland &
Abrey, Beck Bldg., Portland. Contract
price not stated.

Contract Awarded.

SCHOOL—2 story and base, brick and
concrete, \$67,856.45. Astoria, Ore. Ar-
chitects, Whitehouse & Foulhoux, Wil-
cox Bldg., Portland. Owners, City of
Astoria. Contractors, Astoria Construc-
tion Co., Astoria. Contract price, \$61,-
856.45.

SEATTLE AND WASHINGTON.

SCHOOL—2 story and base, rein-
forced concrete, \$75,000. Juneau, Alas-
ka. Architect, Harlan Thomas, Arcade

LOS ANGELES AND SOUTHERN
CALIFORNIA.

RESIDENCE — 2 story and base,
brick and plaster, \$20,000. Los Angeles,
Cal. Architects, Milwaukee Building
Co., Wright and Callender Bldg., L. A.
Owner, Mr. Miller, 420 Security Bldg.,
L. A. Location, Oxford avenue between
Wilshire and 7 street. Will contain
fourteen rooms, four baths and sleep-
ing porches. Plans complete and bids
being taken by the owner.

HIGHWAY CONSTRUCTION—Cost as
follows. Los Angeles, Cal. Engineer,
County Surveyor, L. A. Owners, Los
Angeles County. Sealed bids will be
received by the Board of Supervisors
until 2 p. m. January 2, 1917, for the
improvement of Signal Hill boulevard,
Panorama Drive, Temple avenue and
Catalina street, in accordance with
plans and specifications on file with
the Clerk of the Board. The length of
roadway to be improved will be 2.6
miles long, and the approximate quan-
tities are 13,700 cubic yards excava-
tion, 13,728 linear feet shaping, 7,519
tons disintegrated gravel pavement,
1,473 tons broken stone, 34 cubic yards
class A concrete, 1,422 pounds steel
rods, 32 linear feet 18-inch corrugated
metal pipe, 32 linear feet 12-inch cor-
rugated metal pipe, 1,000 linear feet
guard fence. Estimated cost to con-
tractor, \$16,812. The county will fur-
nish disintegrated granite, broken
stone, cement, gravel, etc.

RESIDENCE — 2 story and base,
frame and plaster. Cost not stated.
Los Angeles, Cal. Architects, Alfred
W. Rea and Charles E. Garstang, Black
Bldg., L. A. Owner, Mrs. Mary S. Bee-
man. Location, Oxford avenue between
14th and 5th streets. Will contain four-
teen rooms, three baths and sleeping
porch. Separate garage. Plans being
prepared.

AUTO MANUFACTURING PLANT—
Los Angeles, Cal. J. H. Eisenhuth,
president of the Eisenhuth Motor Co.,
has applied to the Harbor Commission
for a lease on a site of 70 acres at Los
Angeles Harbor on which the company
proposes to construct a manufacturing

Bldg. Seattle, Wash. owners, City of Juneau. Will contain both high school and grammar school grades. Plans being prepared.

CITY BIDS OPENED.

C. L. Wold Submits Lowest Figure For Completing Second Story of Pathological Ward.

Bids were received by the San Francisco Board of Public Works at their meeting yesterday for the completion of the second story of the Pathological Ward at the San Francisco Hospital. C. L. Wold Co. submitted the lowest bid at \$13,723 and will probably be awarded the contract. Plans were prepared by Architect August G. Headman, Call-Post Building.

Other bidders on the work were:

Monson Bros.	\$13,987
Wright & Kohn.	14,721
David Graham.	13,814
Newsom & Henning.	17,273
Anderson & Ringrose.	15,459

AWARD HEATING WORK ON ALAMEDA SCHOOL.

Robert Dalziel Jr. Company Secures Contract for Heating System in Mastie School.

Five sets of figures were received by the Alameda County Board of Education for installing a heating system in the Mastie School and a contract was awarded to Robert Dalziel Jr. Co. of San Francisco, on their bid of \$715. Following is a list of the bids received:

Heating for Mastie School.

Prop. 1. Prop. 2	
W. F. Fisher.	\$889 \$1,358
C. K. Nottingham.	782 1,220
J. E. O'Mara.	892 1,370
Robert Dalziel Jr.	715 1,397
J. C. Hurley Co.	814 1,425

RESEARCH WORK ON INDUSTRIAL PROBLEMS.

Several important problems have received attention recently at the United States Bureau of Standards in research work conducted in aid of American industrial progress. Among the subjects were electrolytizing, stuccos, and plasters, and textile materials.

In the electrolytizing work, several tests of importance to the industry have been made. The cause of defective service of certain plates, the nature and cause of an unusual precipitate in copper solutions, and the cause of "soft rules" in copper electrolytotypes were subjects of inquiry. At a meeting of the International Electrotypers' Association, held in Cleveland, a report of the work of the bureau on several problems was presented. Great interest was manifested, especially in the efforts to replace Austrian ozokerite by the American (Utah) product.

In the investigation of stuccos and plasters, the new test panels, 22 in number, have been completed under most favorable conditions. These new panels, which represent a variety of stucco mixtures and backings and in-

clude several different types of construction, already have attracted considerable attention. The report on this investigation of stucco panels has been prepared for distribution. The investigation is of interest and importance in connection with all construction work involving the use of plaster or stucco, as it is a service test conducted with the fullest co-operation between the manufacturers and the bureau.

Research by the textile laboratory has included the design of a precision testing machine for textiles. An investigation also has been started for the determination of fabrics most desirable for use in the construction of aeroplane wings. Exposure tests of burling have been continued.

PAINT FACTORY FOR SEATTLE; COST, \$250,000.

SEATTLE, Wash.—At a cost of \$250,000 A. J. Capron, Ainsworth Bldg., Portland, representative of the Goheen Manufacturing Co., of Canton, Ohio, reports that his principals have practically closed a deal for a 4-acre site on the South Waterway, Seattle, on which they will erect a \$250,000 paint factory plant to include four main plant buildings of concrete and a separate office structure; work to start about January 1; tentative plans ready, but final architect not selected.

QUALITY WINS FOR AMERICAN HARDWARE.

Quality is emphasized as the distinguishing characteristic of American hardware in a report by Commercial Attache Albert Hale on hardware markets in Argentina, Uruguay and Paraguay. "Upon this sales factor," he says, "the American manufacturer can most surely depend for success."

Mr. Hale states that during the past year the sales of this class of goods from the United States have increased rapidly in Argentina, and that it is thought that much of the increased trade will be retained after the war. He finds that American hardware manufacturers are now reaping their reward for having built up in Argentina an unsurpassed reputation for their products. Germany and England have outsold Americans to some extent in this market in the past, but almost always by introducing cheaper articles. The normal imports of hardware into Argentina are between five and six million dollars, the total for 1913 being \$5,771,145. Of this total Germany supplied \$1,848,597 worth, England, \$1,365,769 worth, and the United States \$1,211,697 worth.

Experts European Attempt to Recover Lost Ground.

The opinion is expressed that when the war is over there will be a serious effort on the part of European manufacturers to get back the trade they have lost and that one of their first steps will be to establish at Buenos Aires local and permanent representatives or to make intimate connections with houses already there.

"To me on the spot," says Mr. Hale, "is the only way to understand this market. The demand is constantly changing, and the tendency is to purchase better tools and hardware. This tendency has been especially notice-

able (before the war) in the case of such of it as is due to the influence of better grades from the United States. Therefore the manufacturer should not try too hard to meet competition on the basis of price. He should sell quality."

Previous to the war Americans dominated the market for axes and hatchets, wrenches, saws, and revolvers, and had an important share of the trade in files, keys, nails, screw, and nuts, and miscellaneous tools. Germany dominated a number of lines, and it is a curious fact that many more German safety razors were sold in Argentina than came from the United States.

The author of the report has gone at length into conditions governing the hardware trade of Argentina, Uruguay, and Paraguay and has discussed in detail the trade in each particular article of hardware. It is the fourth report of the series on the world's markets for hardware, the exact title being "Markets for American Hardware in Argentina, Uruguay, and Paraguay." Miscellaneous Series, No. 43. There are 66 pages in all. Copies may be purchased for 10 cents each from the Superintendent of Documents, Washington, D. C., or from the district offices of the Bureau of Foreign and Domestic Commerce.

STANDARD OIL COMPANY BUILDING GAS COMPRESSOR.

TAFT, Cal.—With the first four units of its mammoth compressor plant now completed, a fifth under construction and three additional units to be constructed as rapidly as possible, representing an investment of \$750,000, the Midway district is coming into its own, and the Standard Oil Company is a contributing factor.

The Standard's compressor plant now under construction is located on section 36, 31-23, on the famous McNeese lease, and was given its initial test or tryout last week. The testing of the completed four-unit plant was entirely satisfactory in every way, and proved itself capable of compressing gas of both high and low pressure.

The present four-unit compressor plant has a capacity of 400 horse power, or 11,000,000 cubic feet of gas daily, and when the additional four units are added the completed plant will have double its present capacity, or 800 horse power for 22,000,000 cubic feet of gas daily. It will practically equal the Southern California Gas Company's compressor plant, the largest in Kern county, if not in the entire state.

HEALTH NEWS.

Dog fanciers have long noted that when a house-dog begins to get fat and wherey it is pretty apt to be attacked by a stubborn skin disease. In such a case they cut down the diet and increase the open air exercise, thus relieving the over-burdened body of poisonous substance.

The sin of gluttony is common and therefore much condoned, but like every other violation of Nature's laws has a penalty. Fat inefficiency, sallowish mentality, the reddened nose, the puffed face, certain of the chronic skin eruptions, and much fatigue and nervousness are due to the abuse of

the digestive apparatus. Rich, indigestible foods in large quantities, highly seasoned to stimulate the jaded palate are forced into a body already rebellious from repletion. Exercise is largely limited to walking to and from the table and bodily deterioration proceeds rapidly. Many an overfed dyspeptic, suddenly dragged by the stern hand of circumstances from a life of physical ease and plenty and forced to work out of doors suddenly discovers that his semi-invalidism has gone, that a chronic skin derangement of many years standing has disappeared and that a new vigor and zest of life has been given him.

Not everyone can spend his whole time in the open air but a certain amount of exercise and plain wholesome food in an amount not exceeding the body's needs can be had by almost everyone. Simple moderate diet and exercise make for health. These are not faddish food theories: they are just plain common sense.

TO SELECT MEN FOR STUDY OF FOREIGN MARKETS.

Markets for American goods in many countries are to be studied by men to be selected as a result of an examination which is to be given in the principal cities of the country by the United States Civil Service Commission on December 6. The persons chosen are to act as trade commissioners and special agents for the Bureau of Foreign and Domestic Commerce. Their work is considered an important step in preparing the country to retain and expand in newly won foreign markets.

Ten appointments are to be made for the following investigations: Motor vehicles in Russia and the Far East; investment opportunities in Russia; fancy groceries in South America, furniture in South America; metal-working machinery and prime movers in Russia; metal-working machinery and prime movers in Brazil; jewelry and silverware in South America; hardware in Africa, the Near East, and India; ports and transportation facilities in Russia and the Far East; and mineral resources in the Far East.

To Prepare Reports for American Exporters.

The duties of appointees to these positions will be to obtain information concerning the demand in foreign markets for the particular commercial lines they are to study, and to present the data obtained in straightforward, readable reports, which will enable American manufacturers and exporters to plan campaigns for the sale of goods in the markets investigated. Applicants for the South American investigations will be expected to know Spanish, and extra credit will be given for Portuguese. For work in Brazil Portuguese is considered especially desirable. In the investigations including Russia, French is required, and an extra credit is given for Russian. No foreign language is required for the hardware investigation in Africa, the Near East, and India, or for the investigation of mineral resources in the Far East. No person will be admitted to any of these examinations who has not had previous training which would qualify him as an expert in the particular line to be investigated. This means substantial and responsible experience. An oral test will be given

Keystone Hotel

54 4th Street, near Market
San Francisco, Cal.



Right down town. Close to the Builders Exchange and General Contractors Ass'n. Accommodations can't be equalled for double the price.

Rooms with private baths, \$1.25 per day.

at Washington or some other city before the final appointments are made, and only those who pass successfully the written examination on December 6 will be asked to present themselves.

The Bureau will pay each of these men a salary not to exceed \$10 a day, with all transportation expenses paid and \$4 a day extra for subsistence. Persons who meet the requirements and desire this examination should at once apply for Form 375, stating the title of the examination for which the form is desired, to the United States Civil Service Commission, Washington, D. C.; the secretary of the United States Civil Service Board, Post Office, Boston, Mass.; Philadelphia, Pa.; Atlanta, Ga.; Cincinnati, Ohio; Chicago, Ill.; St. Paul, Minn.; Seattle, Wash.; San Francisco, Cal.; customhouse, New York, N. Y.; New Orleans, La.; old customhouse, St. Louis, Mo. Applications should be properly executed and filed with the commission at Washington in time to arrange for the examination.

STATE HEALTH BOARD AFTER DRUG FAKERS.

Although the much bejewelled street fakir with silk hat and long coat, who sells wonderful cure-alls, is almost never heard of now, the Bureau of Foods and Drugs of the California State Board of Health recently found one of this type in Imperial county. He prefaced his smooth salesmanship with an entertainment, and strange to relate, found many customers for his "New Life Water" which he claimed would cure kidney and stomach diseases, catarrh, eye trouble and many other ills. An examination of the product by the Bureau revealed the fact that the claims made for the so-called remedy were so fantastically extravagant that the matter was referred by the Board to the District Attorney for prosecution.

In Sonoma county the Bureau found

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

the manufacture of California's Lakure, a so-called remedy for diphtheria, cuts, burns, tumors, skin diseases and many other ailments. The claims made for the product were preposterous, as revealed by the chemical analysis made by the Bureau, and this matter was also referred to the District Attorney for prosecution.

Many fraudulent remedies, with extravagant claims printed upon the labels, are sold without the spectacular methods of the fakir with his street entertainment. The California State Board of Health has declared war upon all such fraudulent cures, whether they are sold over the counter or upon the street.

◆ COLDS CAUGHT ONLY FROM THOSE HAVING COLDS.

You can "catch" cold only from a person who has a cold, according to the California State Board of Health. Acute colds are not caused by overeating, or lack of fresh air and sleep. These are but predisposing factors. All acute colds are due to infection received from another person who is so infected.

Dirty hands, soiled handkerchiefs, common drinking cups and eating utensils are some of the ordinary vehicles by which the infection is transferred. The promiscuous sneezer, who does not sneeze into his handkerchief, is also a big factor in the spread of acute colds. In order to keep well, one must observe the common rules of hygiene, and to avoid a cold he must keep away from a person who has a cold. This is easier said than done, for there are large numbers of people who are harboring such infections.

Much misinformation regarding the avoidance of colds is published. There is no denial of the fact that a person must do all that is possible to keep up his bodily resistance, but it is a mistake to claim that colds are caused by indiscretions in mode of living.

◆ NEW SANITARY REGULATIONS IN VENEZUELA.

The Venezuelan Government has issued new sanitary regulations for the whole Republic. The regulations, which are published in the *Gaceta Oficial*, include requirements as to cleanliness in bakeries, markets, slaughterhouses, manufacturing establishments, streets, and buildings, as well as standards of purity in liquors and foodstuffs.

◆ MILITARY TRAINING IN THE SCHOOLS RIGHT AND NEEDFUL.

From the Sacramento Bee.

A two-fisted sailor like Andrew Furuseth often can express pithily in a few words what an orator could not encompass in an hour.

The leader told the American Federation of Labor Convention in Baltimore his plain mind about pacifists who will not defend their country.

Furuseth said:

Men who will not fight and women who won't be mothers are an abomination in the world.

Which leaves little more to be said upon those two classes.

Furuseth was speaking against a resolution which condemned military training in the schools. The resolu-

tion referred to the offer of the Secretary of War to provide instructors, rifles and ammunition to schools where the authorities provide courses in military training.

But notwithstanding the efforts of Furuseth and others the convention adopted the resolution, placing the largest labor organization in America upon record as opposed to any military training in the schools.

The United States rightly can be proud of that spirit of justice and fair dealing to all Nations permeating her people which makes war of conquest improbable. No one would lessen that splendid sentiment in the slightest.

But many, lured by high-sounding phrases, carry their belief to the ridiculous extent of opposing all military training or preparedness, placing their trust upon the principle that a justly-dealing Nation never will be attacked by a foreign foe.

That belief involves enormous dangers to the United States. Cold, hard facts stare any one in the face who is willing to see them. The millennium has not yet arrived, wherein all Nations are to be governed by Christ-like motives of conduct.

The world today is still made up of countries whose ruling spirits will war or not war upon others, according as it suits their financial and national aims, and as their rivals or enemies are prepared or not prepared. The history of the last ten years should be enough to prove that.

Militarism no wise man wishes. But an adequate preparedness in arms, and in the training of citizens to insure against conquest, are not militarism. They are only a sensible precaution against disaster such as has overwhelmed many a Nation foolish enough to remain weak before the threatening strength of others.

No sensible objection exist against the military training of the youth receiving education in the schools of this country. Besides being a duty owed to the Nation to train themselves to defend their mother country, such training is of great benefit physically and morally.

The American Federation of Labor should reverse its stand.

It indicates grave danger if a great mass of the workmen of this country are set firmly against that military training of the youth of the Nation which some day may be so needful for her defense.

◆ MODEL TENEMENTS PAID.

NEW YORK—The City and Suburban Homes Company, builders and operators of several large model tenements, have paid a semi-annual dividend of two per cent. During the last six months, under the management of President Allan Robinson the revenues have exceeded any twelve-month period in the history of the company, and out of three thousand apartments there is not one vacant. This record, it is said, has never been equaled.

◆ FOREST NOTES.

The cost of making sales of government timber on the National Forests in California was cut from 39 cents to 21 cents a thousand feet recently. This decrease is due to time studies resulting in more efficient methods of handling and will mean a saving of thousands of dollars annually to the national treasury.

An effort is being made by the Forest Service to sell the timber on the small areas that might be used for agricultural purposes in the National Forests of California. After the timber is sold and cut this land will be listed and thrown open to settlement under the Forest Homestead Law.

Experiments made recently by the Forest Service in California demonstrated that the block sulphur match, often called the "chiny match" is safer to use in the forest than the common parlor match. It was discovered that the burning sulphur match when thrown away almost invariably goes out before touching the ground, while the parlor match, even of the kinds chemically treated, often holds its flame for a few moments. This advantage of the sulphur match over the parlor match is said to be due to the comparative smallness of the former's stick.

What is said to be the first wireless telegraph message sent from any Forest Service Station in the United States was recently transmitted by a Forest Ranger on the Apache National Forest, Arizona from the Base Line Ranger Station to Clifton, Arizona, a distance of 40 miles.

◆ DRY DOCK ON SOUND.

WASHINGTON—An appropriation of \$750,000 for the construction of a dry dock at the Puget Sound Navy Yard has been asked by Representative Humphrey of Washington. The bill calls for a dry dock at least 1000 feet long, to accommodate the largest battleships. Congressman John E. Raker introduced public building bills to appropriate \$200,000 for a Federal building at Auburn and \$250,000 for a similar structure at Redding, Cal.

◆ FLOATING DRY DOCK FOR VALPARAISO HARBOR.

[Consul General J. J. Keena, Valparaiso, Chile, Oct. 25.]

The afternoon edition of *El Mercurio* for October 24 reports that a 30-year concession has been granted to Sr. Alfredo Ballivian (Grimwood), Independencia 371, Valparaiso, for the operation of two floating dry docks in the harbor of Valparaiso. It is stated that the dry docks must be capable of handling ships up to 12,000 tons.

No further information on the subject is available at the present writing.

◆ DELIVERY OF STEEL BRIDGES FOR CANTON-HANKOW RAILWAY.

Consul General Edwin S. Cunningham writes from Hankow, China, under date of October 9, that the shipment of bridges for the Canton-Hankow

Railway, Hupei-Hunan section, the contract for which was awarded to the United States Steel Products Co., has arrived at Wuchang for delivery. The contract price was \$475,304.

CONCESSIONS FOR OIL DOCKS AT PERUVIAN PORTS.

The Government of Peru has granted concessions to the West Coast Oil Fuel Co. for the construction of iron docks at Callao and Paita. These docks will be used exclusively for the loading and unloading of oil consumed by incoming and outgoing steamers. Pipe lines will carry the oil from the tanks of the company to the docks. The traffic of the oil docks will be subject to the usual port and customs regulations. The concessions as published in *la Revista Comercial*, are for a period of 25 years from the date of the opening of the docks to service.

CITY PAY ENVELOPES BEFORE CHRISTMAS.

Treasurer McDougald Sends Out Welcome Christmas Greeting to Heads of all Departments.

The following notice has been sent out by City Treasurer John E. McDougald to the heads of all departments and brings the good news that all city and county employees will be paid before Christmas.

CHRISTMAS GREETINGS.

As the Christmas Season approaches, I find my heart full of good will towards all the employees of our City, who will need their salaries to make their families and friends happy at this joyous season.

Christmas is the greatest Day of the year; it ought to be, because it symbolizes the birth of all that is good, therefore, let us rejoice. Santa is going to assume a selfish guise this year in our land at least, but it will be in name only for his annual cheer will be bestowed as freely as ever, for we all know it isn't Santa's fault that he is now an ALL AMERICAN PATRON OF ALL AMERICAN GOODS.

He, good soul, would much prefer to get some of his things from the shops across the sea, but when those unfortunate Shopkeepers tell him sadly that they cannot supply his wants, he has done what should please all Americans, big and little alike—established a true ALL AMERICAN SANTA CLAUS.

In the name of Santa Claus, I ask all the employees to hang up their stockings, and from the Millions of Dollars I find in my vaults at this time, I am ready to do my part in distributing some of this money in the many homes of our people where it will do the most good, to provide for things that make life happy by presenting some token of love to the wife or the sweetheart, filling the baby's stocking with some of the same articles that were sent to the children of Europe. It will help our home Merchants who will secure more customers for their well-filled shelves of Christmas joys.

To this end I ask the heads of all Departments to so arrange the business

with their duplies and clerks and all others in any way connected with our City Government, that the demands may be ready for delivery to my office before Christmas Day.

I hope that you will cheerfully cooperate with my request.

I beg to remain with best wishes,

Yours respectfully,

JOHN E. McDOUGALD,

Treasurer of the City and County of San Francisco.

The final corrections of the National Electrical Safety Code have been made by the United States Bureau of Standards. The code will be issued for use by those who may be interested, it is announced by the bureau.

CONSTRUCTION WORK ABROAD

COSTA RICA.

Floods of the past 10 days have destroyed a railroad bridge of the Pacific Railroad of Costa Rica. A new bridge is reported necessary. Particulars as given by the Secretary of the Administration of the railroad are:

The bridge that was destroyed is the Puente de la Boca de Barranca at 12 kilometers (about 7½ miles) from Puntarenas, constructed by an American engineer. The bridge had 3 spans of 120 feet each and each span weighed 50 tons. The whole construction rested on 8 cylinders of 6½ feet diameter each. The cost of this bridge was \$6,311 colones (\$45,064) and the approaches were estimated at 3,163 colones (\$4,264).

The railroad is owned by the Government of Costa Rica. A special appropriation of the Congress now in session seems necessary before the bridge can be replaced. Particulars as to tenders have not yet been published. Firms desiring to bid should address the General Manager of the Ferrocarril al Pacifico (Pacific Railroad), Mr. Isaac Zuniga M. Oficina del Administrador, San Jose, Costa Rica.

Correspondence should be in Spanish, although English is understood. Local representation will not likely be necessary.

In addition to the above bridge entirely destroyed, much damage was done to other bridges along the line.

FLOATING DRY DOCKS IN VALPARAISO HARBOR.

VALPARAISO, Chile, Nov. 7.—The concession granted Sr. Alfredo Ballivian (Grimwood) for the operations of two floating dry docks in the harbor of Valparaiso has been revoked by a decree dated November 6, 1916. The second decree states that no permission or concession of this nature will be granted by the Chilean Government except as an award after the receipt and examination of public bids.

ORGANIZE HUGE MAGNESITE COMPANY.

PORTERVILLE, Cal.—Formal permission for the organization of the Magnesite Refractories Company has been given by the state commissioner of corporations, according to word sent to F. J. Schuhl of this city, attorney for the new corporation and one of the organizing directors.

According to the details of the organization, as filed with the state officials, the company will start with a capital of \$200,000, all paid in; and work

is to be started at once on the largest magnesite plant in the United States to be built at a cost of \$150,000.

The plant is to be located on the George W. Stewart magnesite lands, just north of this city, the company having secured an option for the purchase of the seventy-two acres of land in the tract. It is stated this option will be exercised this week.

LUMBER CENSUS TO INCLUDE PULPWOOD STATISTICS.

WASHINGTON, December 11, 1916.—Figures showing the amount of wood used in the United States for making pulp will, it is announced, be obtained by the Forest Service in connection with its 1916 census of the lumber industry. Because of the increasing scarcity of pulpwood in some parts of the country, the need for accurate figures showing the consumption of this class of material is realized by manufacturers and foresters alike and it is expected that such figures will be made a part of the yearly statistical work of the Forest Service. The pulp manufacturers will co-operate in the work, through their trade organization, the Newsprint Manufacturers Association.

The data collected will comprise detailed information on the following:

Pulpwood consumption in cords by species, subdivided to show quantities of imported and domestic wood used. Comparative figures will be given for 1899, 1909, and 1914.

Number of mills by States; quantity of wood consumed; total cost; average cost per cord; amount of pulp produced.

Consumption of different kinds of pulpwood by States, subdivided to show amounts of domestic and imported spruce and poplar pulpwood.

Consumption of different species and different processes of manufacture.

Consumption by States, showing total amounts used, total cost and average cost per cord, according to condition of wood—rough, peeled, and rossed.

The data to be obtained will, it is stated, be of considerable value to pulp manufacturers as well as to the Forest Service. Owing to the comparatively small number of pulp mills in the United States, it is thought it will be possible to issue a report on the work at an early date.

PORTLAND GETS ORDERS FOR SHIPS.

PORTLAND, Ore.—The Alhina Engine and Machine Works of this city has a new contract for the building of a fleet of four vessels of 3,500 tons deadweight each and to cost a total of \$2,500,000.

William Cornfoot, head of the concern, said instead of the company having two ways it will have five immediately and possibly six to take care of the new business. With the contract just closed the company will have six steel ships to build. The contracts were negotiated through A. O. Anderson & Co., limited, which recently opened an office in Portland as its headquarters on the Pacific coast.

Washington, D. C., Nov. 21, 1916.
To the Editor:—

In your issue of September 1, 1916, under the caption "Editorial Comment," the following statement is credited to the National Security League:

"A year and a half ago there was practically no expression of public sentiment on the subject of universal service. The first discussion of the subject by a body of assembled delegates occurred at the National Defense Congress of the National Security League held in Chicago, November 27, 1915."

I do not believe there is any sentiment for "Universal Service" in time of peace in this country at this time. I shall treat this point more fully later on.

As to "the first discussion of the subject by a body of assembled delegates" occurring under the auspices of the National Security League, I must say that this is surprising, inasmuch as I was a delegate in October of 1915 to a congress held in this city, which congress discussed the subject rather freely.

If there is any sentiment for "Compulsory Service"—as is stated by the Security League, in the article above noted—we have not heard of it in this part of the country, and the further statement "The introduction of a universal service bill in Congress by Senator Chamberlain" is absolutely and unqualifiedly a misrepresentation, and there is no truth in it. Whether the statement was willfully made or not, is beside the point—the point is that such a statement should be given publicly and the danger is that this may be believed by a great many people, and thus create opposition and antagonism to Senator Chamberlain's bill for Military Training.

I have discussed this point with Senator Chamberlain in person, and he has expressed himself as unalterably opposed to any agitation for compulsory service at this time.

Allow me to quote from a recent letter on this point, which exactly defines the position of the Association for National Service, and which, together with the foregoing, I trust you will be able to publish, as a denial should be made, emphatically, so as to correct the impression in the public mind.

Following is the quotation from the letter above mentioned:

"Now as to the Swiss system—I do not agree with you nor do the men of the Army that we can adopt that system in its entirety in America. What we most need is a combination of the Swiss and Australian systems, so arranged as to be adaptable in this country."

"We do not need any legislation to make the citizen—able bodied or not—liable for service. The constitution has taken care of that. Conscription has been resorted to in every war we have had in order to produce the necessary number of men for service. The constitutionality of the Draft Law during the Civil War was decided in two cases before the Supreme Court of the United States, and three cases in the Supreme Court of the Confederate States. So you see that in no case does training, or the lack of it, affect the liability of the citizen to serve. The constitution covered the whole field—it does not exempt any citizen between the ages of eighteen and forty-five, but includes, in this provision for enforced service to the State, all citizens without regard to mental, moral, or physical condition, and which may surprise you further, without regard to sex."

"The above is good and sufficient reason why we deem it unnecessary to

make any agitation whatever for "Service," but we do feel, that since the constitutional provisions are what I have explained them to be, it is the solemn duty of the Administrative Trustees of the Nation to see that those liable for service are trained, so as to render efficient service in time of need, and through informed ability produce the organized force necessary to the preservation of the United States as a Nation."

"We have declined to become involved in a discussion of details; confining ourselves to the principle of National Military Training and Equal Service from a purely National standpoint. The details can be most safely and properly left to the experts of the General Staff and Congress. There are a few men in Congress qualified for, and earnestly devoted to, the working out of the necessary details with the advice of the General Staff of the Army."

"Of course a system of compulsory military training in time of peace for military service—National Service, i. e., service to the State in any capacity, in time of War—is what we are working for so earnestly."

"In other words, compulsory service is guaranteed by the Constitution, but no System has been adopted by this Nation for training the citizen to efficiently render the service thus imposed."

"Read, ponder, and inwardly digest" all of this, and then go forth and preach the doctrine of National Military Training and forget any agitation for "compulsory service" in time of peace."

This Association has been conducting a nation-wide campaign—which your paper has assisted most effectively—on the question of the adoption of a system of National Military Training along the lines of the "Chamberlain-Swiss System Bill" (S. 16955).

We wish to thank the National Security League through your columns, for mentioning, so kindly, the vote taken at the request of this Association, through the courtesy of the Chicago Tribune and The Baltimore Sun.

Again an erroneous impression is created, in that it would seem that this vote had been taken as a result of the activities of the National Security League, and that the vote was on "Universal Service," whereas, the vote was taken at the instance of this Association, and was devoted solely and exclusively, to the question of National Military Training. The Baltimore Sun's poll, excepted.

Of course the National Security League did not intend to convey this impression, I am sure, but for fear they might create some misunderstanding in the public mind, I am asking that you publish this correction.

Allow me to take this occasion to thank you for the splendid support you have given the cause of Military Training through the columns of your paper.

Respectfully submitted,

ASSOCIATION FOR NATIONAL SERVICE,

By: S. B. M. YOUNG, President

REHILL SAN BERNARDINO SHOP.

SAN BERNARDINO—Improvements to cost three-quarters of a million dollars will be installed at the Santa Fe terminal here to replace the buildings burned in the fire of November 16 and to establish a new refrigerator car repair plant to serve all the Western lines of the road.

S. F. FIRM AWARDED IRRIGATION CONTRACT.

WATERFORD, Cal.—The first contract for work on the Waterford Irrigation District canals has been let to G. W. Price & Company of San Francisco, who will build part of the main

canals for \$29,000. The district has now disposed of all its bonds, the Union Savings Bank of Modesto taking \$100,000 worth at 97, and H. M. McDonald of San Francisco buying the remaining \$365,000 at 97 1/2. The district received one bid of par from the Lumberman's Trust Company, but this bid was rejected, as it carried with it the right of the bidder to dilute to whom the contract for work should be given.

ZINC PLANT NEARS COMPLETION.

KENNETT, Cal.—Then new zinc plant of the Mammoth Copper Company is rapidly nearing completion. It is a mile and a half west of the smelter, on Backbone Creek. It is expected that the plant will be ready for operation about February 1st. Some delay is occasioned by the failure to receive the electrical appliances from the Eastern manufacturer on time.

The plant, by the time it is set in operation, will cost \$100,000, if not more. It is designed to treat for zinc by the electrical process developed at Winthrop by the Bully Hill Copper Company. This process has been adopted by the Broken Hill Mining Company in Australia and is in use at Park City, Utah.

The Mammoth Copper Company has thousands and thousands of tons of flue dust caught in the bag house at the smelter. This contains large values in zinc. The company's little mountain of flue dust has been as so many ashes until this zinc plant was built. All the zinc values will be recovered from the flue dust as well as from zinc ore saved at the sorting tables in the smelter.

CALIFORNIA'S ELECTRICAL FUTURE GREAT.

How the industries of California are being revolutionized by electricity so that they stand up in face of the competition of the whole world in many respects will be told by Engineer Albert H. Elliot, at the weekly luncheon-meeting of the Home Industry League of California, to be held at the Palace Hotel on Thursday, December 7th. The general public is cordially invited.

"The time is rapidly approaching," says Engineer Elliot, "when every commercial wheel in California will be turned exclusively by electricity drawn from the rushing waters of California's own mountains. And in many other respects the people of California are now leading the world in making Electricity the Slave of Mankind."

The ballroom of the Palace in which the luncheon will be held will be specially decorated with electrical effects appropriate for Christmas, which will include a special electrical Christmas tree, designed for the occasion.

HERMANN SAFE CO. TAKE ON A NEW LINE.

The Hermann Safe Co. have recently secured the agency of the York Safe & Lock Co. This line in connection with their own product, makes the Hermann Safe Co. the largest and best equipped concern in the safe and vault line west of Chicago.

MINERAL PRODUCTION OF CALIFORNIA.

Bulletin No. 71 issued by the State Mining Bureau, under direction of Fletcher Hamilton, is now ready for distribution. This bulletin is a detailed report of the Mineral Production of California for the calendar year 1915, and reveals many interesting facts regarding our mineral wealth. The total production for the year amounted to a value of \$36,663,369, made up of forty-nine different substances, and contributed to by fifty-six of the fifty-eight counties in the State.

In addition to the statistical data, the fundamental Federal and California statutes relating to mining are in an appendix; also a set of county maps covering the entire State. These maps have been especially drawn for this bulletin, and are strictly up-to-date as regards post offices, highways, roads and railroads.

Copies of Bulletin No. 71 may be obtained, gratis, by applying to the State Mining Bureau, Ferry Building, San Francisco; or to the Branch Office of the Bureau, No. 520 Union League Building, Los Angeles, for those in the latter locality.

SENTENCED TO STUDY FOREST FIRES.

Two boys recently convicted in a Los Angeles court of leaving a camp-fire burning in the Angeles National Forest were sentenced to visit the scene of a forest fire near Newhall, California, where 400 acres were burned over and property to the value of \$100,000 was destroyed, and to make a study of the damage done. Six months later they are to report to the judge and tell him whether they have done so and what lessons they have learned.

FRESNO BUILDING REPORT.

FRESNO, Cal.—The total of all building work in Fresno last month, according to figures in the office of James Anton, city building inspector, was \$45,667. This is a decrease of the October valuation. New building amounted to \$28,018 and repairs amounted to \$7,649. The total valuation of building work for the year, to date, is \$774,382, of which \$574,234 is for new buildings and \$200,149 is for alterations and repairs.

LOCAL HOO-HOOS TO CONCAT.

A Hoo-Hoo Dinner and Concatenation has been arranged in honor of the Great Black Cat, who will be at the Commercial Club California and Montgomery streets, San Francisco, on Saturday, December 9, 1916.

Assemble at 6:00 P. M.

Dinner at 6:30 P. M. Sharp.

Concat at 8:30 P. M. Sharp.

Cigars, music oratory, witticisms, good-fellowship and the beautiful surroundings will be contributed for the good of the order, but the dinner, which can not be excelled for tastiness or service by any club, will set you back the infinitesimal sum of two (2) dollars.

A. B. Wastell, the Sol Smith Russell of the West, will act as Junior Hoo-

Hoo and may be relied on to run true to form.

And come to the garden where levity bubbles.

By the tail of the Great Black Cat.

You must be at this Concat!

Take an evening off, forgetting your troubles.

FIRE WARDENS CONDEMN LARGE STRUCTURE.

By unanimous vote the Board of Fire Wardens condemned the two-story, basement and attic frame building located at 2476-2496 Folsom streets as being "in a very dilapidated condition, a fire menace and a conflagration breeder." The Fire Board has recommended that the Board of Public Works take the necessary steps to have the building razed.

The structure, which covers a ground area of 155 by 122 feet, is owned by Mrs. Ralph Polk and Greenwich Sts., while R. A. Wilson, 217 Montgomery street, is reported as the agent.

BAKERSFIELD POST OFFICE BEING FIGURED.

BAKERSFIELD, Cal.—Bids for Bakersfield's new \$135,000 federal building will be opened at Washington at 3 P. M. on December 22. The structure will be located at Eighteenth and G streets on a site covering a quarter block, purchased from the Brundage estate in 1912 for \$17,500. The U. S. forestry building for the Sequoia national forest is to be located in the new building. There will be two main entrances, one on G and the other on Eighteenth street. Plans and specifications will be furnished on application to the Supervising Architect, Treasury Building, Washington, D. C. James A. Wetmore is the supervising architect.

Note:—An official advertisement for bids appears in our Proposal Column.

ALASKA RAILWAY CONSTRUCTION DELAY.

SEWARD, Alaska.—A two years delay in the completion of the United States government Alaska railroad is announced here by Frederick Mears, member of the Alaska railway commission.

He announces that the road between Seward and Fairbanks will not be completed before 1920 or 1921 instead of 1918 as has been previously reported.

Heavier construction work and general delays are given as the cause.

ALASKA WILL HAVE \$750,000 FOR HIGHWAYS.

Acting Secretary for War William M. Ingraham has approved the appropriation of \$750,000 for the construction of new roads and bridges in Alaska next year. The principal item is \$100,000 for the commencement of a steel bridge over the channel between Douglas Island and Juneau in 3 units. The remaining two units will be built at a cost of \$100,000 each. A trunk wagon road will connect Ruby with the Southern Coast by way of Rainy Pass and the head of the Kuskokwim river. An automobile road from Lynn Canal town to the E. C. boundary is also planned.

This work will be under the direction of Col. W. P. Richardson, president of the Alaska Road Commission. Other

members of the board are Major P. W. Davison and Captain J. C. Chaffey, engineering officer. Headquarters are in Valdez.

GOVERNMENT PUBLICATIONS FOR SALE.

The following were among the publications received in stock for sale by the Superintendent of Documents at Washington during the week ended November 18, 1916:

Australian Markets for American Hardware (Foreign and Domestic Commerce Miscellaneous Series 42).—A general review of conditions, statistics of manufacture and importation, description of the hardware business as transacted, and the most desirable methods of entering the market. Price, 10 cents.

Exporting to Australia. Practices and Regulations to be Observed by American Shippers (Foreign and Domestic Commerce Bureau Miscellaneous Series 45).—Australian laws and regulations, and information on packing, documenting, and financing the shipments. Price, 5 cents.

WRAPPING TWINE FROM PAPER.

WASHINGTON, November 29.—That wrapping twines which give thorough satisfaction can be made from paper has been demonstrated by experiments made by the Forest Products Laboratory at Madison, Wisconsin. Several hundred packages, each containing a medium-sized book, were wrapped and fastened with the lightest-weight paper twine and were mailed to various points throughout the United States. Reports show that practically every package was received in good order and that in no case was there any damage which could be charged as a fault of the twine.

In making twine the paper is cut into narrow strips which are then twisted tightly to form a cord. The strength of the twine depends upon the character of the paper used and the process of treatment. It is well adapted to a number of purposes, but the foresters say that as yet no satisfactory means has been found for protecting paper twine from the action of water and it should not be used where it will be exposed to moisture.

PERMIT IS GRANTED FOR BESERVOIR SPUR.

RICHMOND, Cal.—The City Council has granted the Key System a franchise to construct a spur track from its San Pablo line in Richmond for the handling of material to be used in constructing the \$2,000,000 Richmond reservoir of the East Bay Water Company, formerly the Peoples.

HALF MILLION FOR FACTORY ADDITION.

OXNARD, Cal.—A half a million dollars worth of improvements have been started on the sugar factory here. The gang which has just concluded a 128-day run at the factory has in a large part, been hired to do the remodeling in the factory. The total tonnage capacity of the factory is to be greatly increased to meet the demands of enlarged beet fields and much modern

machinery will be installed before the next sugar season.

WATER WORKS PLANNED.

ASTORIA, Ore.—Plans are under way for the expenditure of \$200,000 in public betterments. This includes a high service reservoir in the east end of the city; a tunnel way from the head-works and rebuilding about four miles of the steel conduit service line.

The amendment to the city charter now before the people and to be voted on at the general election December 13, is to increase the limit of water bonds from \$500,000 to \$625,000, thus giving the commission \$125,000 for present needs.

IRRIGATION DISTRICT MAY PURCHASE RESERVOIR SITE.

One Hundred and Sixty-Foot Dam Will Back Water up in Stanislaus River for Ten Miles.

OAKDALE, Cal.—James H. Cameron and Domingo Rollier of Angels, associated with S. M. Levy of the Calaveras Copper Company of Copperopolis, are about to offer to the Oakdale and South San Joaquin irrigation districts a reservoir site on the Stanislaus river, the river itself to serve as the reservoir by means of a dam constructed from the river bed to any height desired.

The reservoir will retain a body of water extending down the river from the town of Melones, a distance of ten miles, to a point where the river flows through a deep narrow gorge.

A concrete wall 160 feet high would be required to store about 10,000 acre feet of water. As the walls of the canyon are almost perpendicular the dam could be made much higher.

All necessary surveys have been made rights of way have been secured and the property to be flooded in raising the water level has been looked after.

PUBLIC WORKS IN ECUADOR.

GUAYAQUIL, Ecuador.—The Government of Ecuador is making provision for public works in various parts of the country, including electric plants, waterworks, bridges, new school-houses, etc. The funds that are specified for the new works are in most cases certain revenues heretofore assigned to purposes that are considered of less immediate importance than the present plans. In case funds are not available at once the board or commission in charge of the work is authorized to contract a loan guaranteed by the revenues designated in the law providing for the new work. The following are the improvements recently authorized by the Ecuadorian Congress:

Schools and Electric Plant at Guano.

The municipality of Guano is to install an electric plant in the town of Guano, to construct a bridge and a jail at Penipe, to build a bridge at Puela, to purchase a house for girls' school in the district of El Altar and another in the district of Elen in the town of Guano, and to construct a schoolhouse for boys in the districts of Ilopo and San Isidro. To finance this work the municipality of Guano is authorized to contract a loan of 50,000

suces (Sucre equal 48.67 cents), which will be guaranteed by the portion of the taxes of Guano heretofore assigned to the water service of the city of Riohamba. The decree providing for these works becomes effective January 1, 1917, and continues in force until the completion of the projects.

Tuberculosis Sanitarium at Guayaquil.

The Junta de Beneficencia Municipal of Guayaquil is authorized to build a national sanitarium for tuberculosis patients. The Municipality or the Government will donate a site for the building, the site to be selected by a technical commission. The sanitarium will be of the most modern type, with all the improvements known to medical science. Part of the funds needed for this building is already available, and the remainder is to be raised by a loan for which certain local revenues are offered as security. The exact amount of the loan and the manner of collecting the revenues remain to be determined.

Railway Extension and River Embankment at Machala.

Congress has provided for a public works commission at Machala, to be composed of the Governor of the Province, two delegates from the Municipality of Machala, and two from the city council of Paoje. This commission will have charge of the extension and repair of the El Oro railway, and also of the construction of works to prevent the overflow of the Juhones River. The work may be done by the commission directly or through contracts made with the lowest bidders. The commission has authority to contract loans for the sum needed to complete the projects, giving as security the customs revenues at Puerto Bolivar formerly collected for the irrigation works of Pasaje and Machala and for the sanitation of Puerto Bolivar, and other duties assigned to the service of El Oro. The collection, as well as the investment of the funds for the new work, is in charge of the commission.

Electric Plant at Azogues.

The Municipality of Azogues will install an electric lighting plant in that city, in accordance with a recent decree of Congress. The funds required from the installation are provided by a special tax on the rum or brandy brought into the district of Azogues, and on that now held there, in addition to a tax or rural distillation. Other revenues, including a small tax on the sale of foreign merchandise, will complete the resources. Upon the installation of the electric plant, the revenues used for this purpose shall be diverted to drainage and paving work in the city of Azogues.

IMPORTANT TESTS OF AMERICAN CLAY REFRACTORIES.

One of the most elaborate investigations dealing with tests of the finished clay refractories of this country ever undertaken has been started by the United States Bureau of Standards in co-operation with the American Refractories Manufacturers' Association and the American Gas Institute. It is proposed to make this work the basis of a system of classification and specifications governing the several classes of fire-clay refractories.

The bureau also has begun preliminary work on another investigation dealing with a phase of the same industry, using a dolomite in certain metallurgical furnaces as a refractory. Usually the burned dolomite is placed directly in position in the furnace with tar or some other combustible material as a binder. Where the lining was of such a nature that it had to be made of brick, magnesite brick was used. The price of magnesite brick, however, has advanced to such a degree that the use of this material has become almost prohibitive. It has been suggested at various times that dolomite might be burned in such a manner, or with the addition of such impurities that the lime present in it would not slake, except after an extended period, making it possible to produce a brick of this material which would replace the magnesite brick. The bureau by its investigation will determine the possibility of producing such a burned dolomite.

Month's Record in Clay Products and Glass.

The bureau during the month of October conducted many experiments dealing with clay products and glass. In the fire-brick investigation 21 sets of 10 specimens each were prepared, corresponding to 24 brands of fire brick, and the results obtained were plotted. For porosity and density determinations, 144 specimens of fire brick were prepared, corresponding to 24 new brands.

In the silica-brick investigation the volume of expansion of 32 specimens of silica brick was determined. In the investigation of the effect of caline in fire-clay bodies 60 specimens were fired, and work previously done was recalculated and checked. In the porcelain investigation two firings, a biscuit and a glost burn were made. In the glass investigation 10 pots with and without lining were made up and a run with 3 pots and another set charged for fusing. Four sets of clay-graphite mixtures were made up for graphite crucibles for the study of the carbon retention, due to the use of different clays. In the cement investigation 198 briquettes, 24 two-inch cubes, 153 two-inch cylinders, and 72 six-inch cylinders were tested. Forty specimens of terra cotta were subjected to tests.

Architect Edward E. Young, 251 Kearny street, has prepared plans for two attractive two-story and basement frame dwellings which will be erected for H. H. Helbush on his property on the west side of Jordan avenue south of California. Each house will cost in the neighborhood of \$5,000 and will contain nine rooms, two baths and basement garage. Interior will be finished in pine, hardwood and white enamel with hardwood floors throughout. There will be central heating systems, hot water supply and open fire places. Bath rooms will be finished in tile. Exteriors will be covered with cement plaster. Work will be done by day labor.

Architect William Wilde, formerly located in Oakland, has leased a suite of three rooms on the second floor of the Maskey Building, 46 Kearny street, and will locate permanently in San Francisco after January 1st.

Convenience

Train schedules
Fast service
Clean Comfortable riding
Observation car service
Courteous employees
Electrically heated cars
Modern steel coaches

Between San Francisco and points in the Sacramento Valley on the "San Francisco-Sacramento Scenic Line" and the Northern Electric Ry.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

WILL ERECT MINING MACHINERY PLANT.

RENO (Nev.)—The Nevada Engineering Works, one of the big mining machinery manufacturing establishments of the State, has changed hands and will be completely reorganized. The officers of the new company are George Wingfield President; ohn G. Kirchen of Tonopah, Vice President; L. P. Curtis, Reno, Secretary-Treasurer.

The stockholders represent a large majority of the mining interests of the State and the Board of Directors is practically identical with the Executive Committee of the Nevada Mine Owners' Association.

The reorganized company will construct a complete new plant to be in operation in the Spring.

MUNICIPAL PHONE POSSIBLE.

LOS ANGELES, Cal.—That Los Angeles may some day have a municipal telephone system, in addition to other public service utilities is foreseen by the board of public utilities, which makes the possibility of municipal acquisition one of the conditions in its permission for the acquisition of the Home Telephone Company's franchise and properties by the Southern California Telephone Company. The ordinance prepared for the transfer establishes the right of the city to purchase the consolidated system at any time without franchise or "going concern statute."

FAST ELECTRIC TRAIN TO SACRAMENTO

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car, through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
*9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
*1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.
* Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.	

OAKLAND, ANTIOCH & EASTERN RAILWAY
Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave., dealer in mahogany, antique, and all kinds of furniture, repairs and polishing; Telephone Oakland 2735.

STOP Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VALUE

TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

19

To the Building and Engineering News 560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Signed _____
Street and No. _____
City _____
State _____

Cut this out and mail to-day

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 51.

Publication Office,
560 Mission St.

San Francisco, Cal., December 20, 1916

Telephone Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

PYROPHOR is a
Tool Steel which



is almost indistructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy

**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal



THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg., San Francisco
Telephone Douglas 3111

"It Is Almost Human"

Phone Kearny 740



"The Improved
Norton"

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE
BUNGALOW

"Quick-as-a-Wink"
Automatic
Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

Telephone Sutter 5231

Member

Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE
68 POST STREET

Foxcroft Building

San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers
Complete Kitchen and Bakery Outfits
539-541 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable
Address me by phone at San Francisco, Franklin 2967
Oakland, Oakland 8941

THE
Safe Deposit Vaults
of the
BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

1221 OAK STREET

Met. Cough and Octavia

SAN FRANCISCO, CAL.

No embarrassing sounds



Pacific

can be heard from the bathroom in which a *Kwoy-eta* Closet is installed.

Kwoy-eta suppresses those sounds your clients do not want to hear—or want heard.

Kwoy-eta is an attractive well built closet that will give years of service.

Like all the "Pacific" line it is guaranteed forever against any defects in workmanship or materials.

"Pacific"

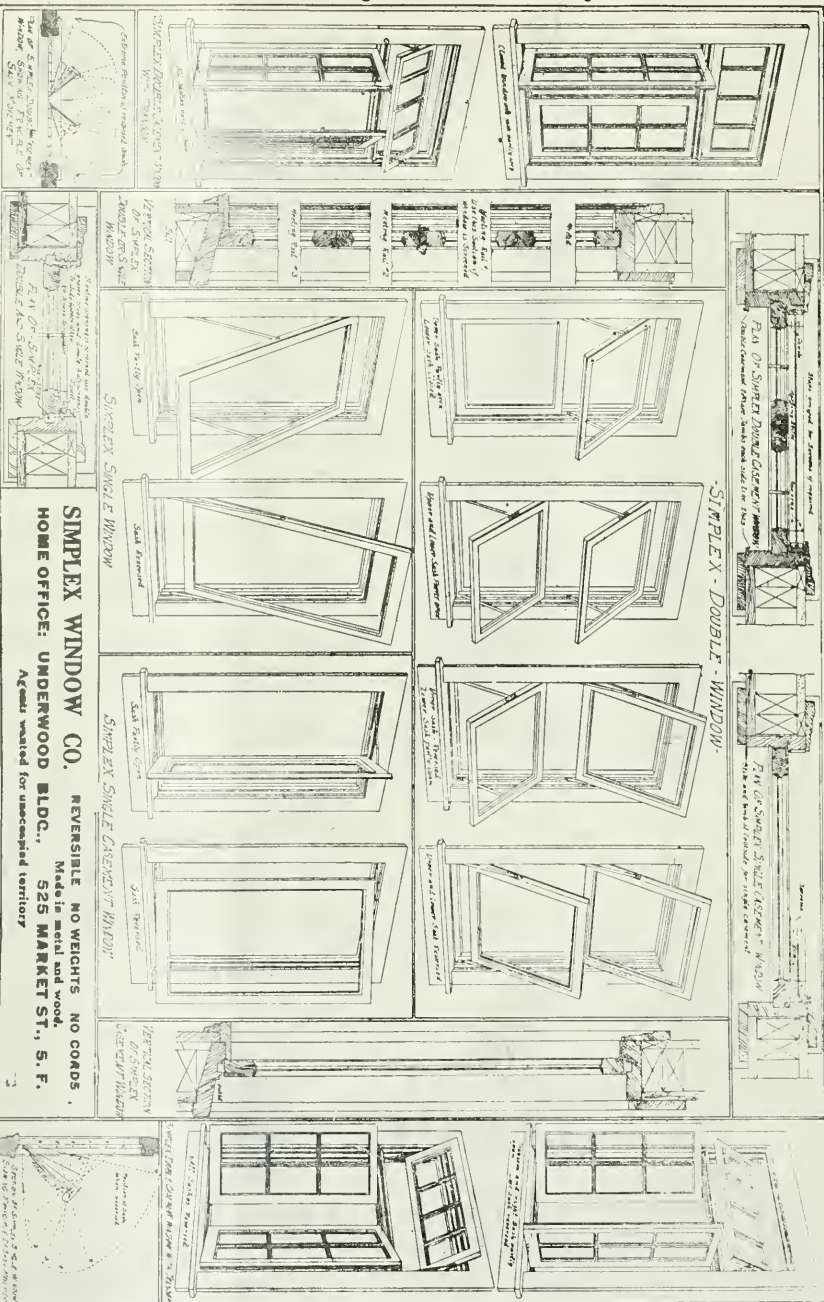


Plumbing Fixtures

For Sale By All Jobbers

Main Offices and Showroom.
67 NEW MONTGOMERY ST.
SAN FRANCISCO

Factories,
RICHMOND,
CALIFORNIA



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. December 20, 1916

Sixteenth Year, No. 51



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.
L. A. LAHSEN,
Publisher and Proprietor.
W. D. Manville, News Editor.
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c.

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.
Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	20
Apartment Houses	4
Banks	4
Bonds	4
Bridges, Dams and Harbor Work	4
Churches	4
Factories and Warehouses	4-5
Fire Houses	5
Flats	5
Fresno, Modesto, Stanislaus and Central California	20
Garages	20
Government Work and Supplies	5-6
Halls and Society Buildings	5-6
Hotels	6
Irrigation Projects	6
Libraries	6
Los Angeles and Southern California	21-22
Marin, Contra Costa and Sonoma Counties	19-20
Oakland and Alameda County	14-15-16-17-18
Portland and Oregon	22
Railroad Construction and Equipment	6
Power Houses	6
Residences	6-7
Sacramento Stockton and Northern California	20-21
San Francisco	9-10-11-12-13-14
San Jose and the Santa Clara Valley	19
Schools	7
Special Proposals	8
Seattle and Washington	22-23
Sewers and Street Work	18
Stores and Offices	8
Theatre	8

CALIFORNIA'S COTTON GROWTH A SECOND "GOLD RUSH"

Startling figures, showing the steady rush of gold to California to buy up the State's remarkably increasing output of cotton, during the year 1916, were given to several hundred surprised members of the California Home Industry League at the meeting held recently at the Palace Hotel. The figures were announced by Superintendent M. F. Davidson, of the California Cotton Mills, the speaker of the day.

"Although the first crop of cotton in California was sown only seven years ago," declared Mr. Davidson, "it was a success from the start, for various climatic reasons, the crop selling for \$14.000. But great as was that sum, and encouraging to the cotton farmers of the State who had the hardihood to venture into the new industry, the perfect bonanza that cotton-raising has proven since is shown by the amazing fact that the crop of cotton in California this year,—that is, the price brought to the farmers for the raw materials,—has already surpassed \$12,000,000."

In order to have the League be assured that these startling figures were not due to any slip of the tongue, President Harbourn asked the speaker to re-state these facts, which Mr. Davidson did, announcing that he spoke from carefully written notes.

"Nor does the startling part of the business end here," Davidson went on, "for while the best cotton lands in the Eastern States is producing 175 odd pounds per acre, the California cotton acre is producing over 400 pounds this year. The price now being brought by California cotton is nearly double per pound the price brought last year, and the total cotton production of the State, this year, over last year, raw and manufactured, is some 66% per cent greater than the year before. Manufactured California cotton is in such great demand this year that we are now building an addition to our plant in Oakland at a cost of over \$500,000, and soon our Oakland factory alone will cover over ten acres of city property. The fact that our raw materials cost more than do the raw materials in Eastern factories, and the fact that we pay higher wages to our employees, and surround them with more pleasant and more sanitary arrangements does not prevent our business expanding to South America and the Orient.

"And while all cotton planters or ranchers of California are making money, the business of cotton-growing is only at its beginning in this State. There is no negro labor in use in the cotton industry of the State: it is mainly white and Mexican.

"If the cotton crop of the State had been three times larger this year it would all have been sold at high

prices, the character of the cotton grown in this State being superior to most all of the cotton grown in any other part of the United States."

ECONOMY IN SCIENCE.

The increased extent to which the large industrial corporations of the country now support their own departments of scientific research is a gratifying development of the times. Science is regarded as a necessity rather than a luxury. And this coming of science into its own as a large factor in the industrial life of the Nation is necessarily followed by a certain reaction of business upon science. Never before, perhaps, has the demand been so keen for research that is no less than ever scientific in spirit and in method but that has a definite purpose and yields definite results. The idea of making science useful is not new, but the utility of science has become more universally the test of its value.

In the scientific work done under the Federal Government this demand for results is abundantly justified by the public need. If the strongest corporations are making large use of chemists, physicists, and geologists, the general public has similar need in its service for applied science.

The business policy of organizing scientific investigation for effective work, however, is far from novel, for in 1875, in the report to Congress advocating the creation of the United States Geological Survey, the National Academy of Sciences described the ideal plan for a scientific bureau as that which would yield the "best results at the least possible cost." Since that day, moreover, economy in science has become a more pressing issue. (37th Ann. Report, Director U. S. Geological Survey, Department of the Interior.)

SANDSTONES ARE PORES.

The more porous beds of sand and gravel along stream valleys, lake shores, and the coast absorb very large amounts of water. Next to these unconsolidated deposits the rocks capable of direct absorption are sandstones and certain porous limestones. The absorption of granites, slates, and other massive rocks is relatively slight, according to the United States Geological Survey, Department of the Interior. A cubic foot of sand will absorb on an average about 10 quarts of water, and certain porous sandstones will absorb 2 to 4 quarts. While there is no definite lower limit to the penetration of water, it is probable that little surface water penetrates more than 3 miles below the surface, and most of the pores and crevices in rocks are closed below the depth of a few hundred feet. (U. S. Geological Survey, Department of the Interior.)

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$25,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name not given. Location, south 17th street west Church. Will contain 24 apartments of two and three rooms. Plans complete and figures being taken.

OAKLAND, CAL.—Apartment house, 3 story and base. Class C construction. Cost not stated. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owners, Sommarstrom Bros. Location, 22nd and Broadway. Will contain stores on the first and a large number of two and three room suites on the upper floors. Plans complete and segregated figures being taken by the owners.

LOS ANGELES, CAL.—Apartment house, 4 story and base. Class C construction. Cost not stated. Architect, Leonard L. Jones, Hibernian Bldg., L. A. Owner, Mr. Cushing. Location, 1340 Orange street, covering an area of 55 by 90 feet. Will contain 70 rooms arranged in two and three room apartments. Plans being prepared.

PORTLAND, ORE.—Apartment house, 4 story and base, brick and steel, \$40,000. Architects, Clausen & Clausen, Macleay Bldg., Portland. Owner's name withheld. Location, West Side, covering an area of 50 by 90 feet. Will contain 12 apartments of four, five and six rooms. Plans being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, B. F. Meyer. Location, south California east 3rd avenue, covering an area of 50 by 95 feet. Will contain twelve suites of four rooms and bath. Plans complete and figures to be taken at once.

SAN FRANCISCO—Apartment house, 3 story and base frame, \$15,000. Architect, none. Owner, D. J. Clancy, 2884 Folson street, S. F. Location, southwest Mason and Malvina streets, covering an area of 40 by 52 feet. Will contain 12 apartments of three and four rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Apartment house alterations, 3 story, frame. Cost not stated. Architect, Carl Geiffuss, 46 Kearny street, S. F. Owner, Mr. Hansen. Location, Fulton near Steiner. Work will consist of converting the present flat building into modern apartments. Plans are complete and figures being taken.

BANKS

SAN FRANCISCO—Bank and offices, 12 story and base, Class A construction. Cost not stated. Architect, George William Keitham, Sharon Bldg., S. F. Owners, American National Bank. Location, southeast Montgomery and California streets, covering an area of

68½ by 137½ feet. Ground floor will be occupied by the bank and upper floors arranged for offices. Plans are being prepared.

BONDS.

MODESTO, STANISLAUS CO., CAL.—The \$135,000 bond issue of the Modesto City High School District has been sold and bids for the erection of buildings will be invited shortly.

RED BLUFF, TERAMA CO., CAL.—The County Supervisors have sold the \$15,000 bonds of the Red Bluff School District and will erect a new building with the proceeds of the sale.

ALBANY, ALAMEDA CO., CAL.—Bonds of \$20,000 were voted here last week and the issue, when sold, will provide for the paving of a portion of San Pablo avenue in the city limits.

MODESTO, STANISLAUS CO., CAL.—The Stanislaus County Highway bond issue has been sold by the County Supervisors. The issue amounted to \$1,456,000 and will provide for a system of permanent roadways.

BAKERSFIELD, KERN CO., CAL.—A resolution setting January 16th as the date to hold a \$90,000 bond election has been passed by the City Board of Education. The proceeds of the sale of the bonds will finance the construction of two new schools and make additions to the present structures.

SEATTLE, WASH.—Bids will be received by the County Commissioners up to January 16th for the purchase of \$300,000 bonds, the proceeds of which will finance the construction of highways.

SUNNYVALE, SANTA CLARA CO., CAL.—Bids are being received by the Town Clerk until January 15th for the purchase of \$19,000 bond issue recently voted for improvements to water system and for the purchase of fire apparatus.

OAKLAND, CAL.—Steps are being taken by the city for the replacement of bridges over Oakland Harbor between this city and Alameda. The purchase of a site and the erection of a million dollar county hospital is also planned.

SAN DIEGO, SAN DIEGO CO., CAL.—An election will be held soon to vote on a bond issue of \$150,000 for the purpose of providing additional class rooms, with manual training and domestic science departments and auditoriums, for the Grant and Jefferson schools.

BRIDGES AND DAMS.

MODESTO, STANISLAUS CO., CAL.—Bridge, steel and concrete. Cost not stated. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. The County Supervisors have instructed the County Clerk to advertise for bids for the construction of a steel span bridge across Little John Creek

between Eugene and Knights Ferry, to be opened on January 8th. The bridge will be 100 feet in length.

Contract Awarded.

SAN FRANCISCO—Sea wall construction, \$33,343. Engineer, Chief Engineer, State Board of Harbor Commissioners, Ferry Bldg., S. F. Owners, State of California. Contractors, Healy Tibbitts Construction Co., S. F. Contract price, \$38,343. A complete list of the bids received will be found under the heading of "Bids Opened" in this issue.

CHURCHES.

OAKLAND, CAL.—Church, 2 story and base, steel and frame, \$30,000. Architect, Eugene K. Martin, 192 Shattuck avenue, Berkeley. Owners, Lutheran Church. Location, 61st and Canning. Will contain main auditorium, Sunday school rooms, pastor's study and social halls. Plans being prepared.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Warehouse and factory, 4 story and base, reinforced concrete. Cost not stated. Engineer, Maurice Couchot, 110 Sutter street, S. F. Owners, American Ever Ready Co. Location, northeast Eighth and Brannan. Only a portion of the building as originally planned will be erected at this time. Plans for this unit are complete and figures are now being taken.

SAN FRANCISCO—Warehouse, 6 story and base, reinforced concrete. Cost not stated. Architect's name not given. Owners, Regents of the University of California. Location, east First street between Market and Mission. The entire building has been leased to a large wholesale shoe firm. Construction will probably be under the direction of the Clinton Fireproofing Co. Further mention will be made of the work.

SAN FRANCISCO—Factory repairs, 3 story, frame, \$2,000. Architect, J. A. Porporato 619 Washington street, S. F. Owners, Roma Macaroni Factory. Location, southeast Grant avenue and Francisco. Work will consist of repairing fire damage. Plans are complete and ready for figures.

PORTLAND, ORE.—Warehouse, 3 story and base, brick and mill construction. Cost not stated. Architect, none. Owners, Oregon Home Builders. Portland. Location, 23rd and Broadway, covering an area of 60 by 125 feet. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Warehouse, 5 story and base, reinforced concrete, \$500,000. Architects, Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Panama-Pacific Warehouse Co. Location, Alameda street between 6th and 11th streets, covering an area of 200 by 100 feet. Plans are being prepared.

Contract Awarded.

SEATTLE, WASH.—Ship yards, \$80,000. Architect, none. Owners, Ames Ship Building and Dry Dock Co. In addition to securing the award of contract for the plate building for the new Ship Building and Dry Dock Co., Hanford street and 26th avenue, S., H. D. Stewart, American Bank bldg., Seattle, has just been awarded the balance of the project involving a total of \$80,000, including machine shop, 95 by 240 feet; woodworking shop and mold loft, 75 by 400 feet; anode, blacksmiths and coppersmiths sheds, each 50 by 120 feet; office building, 2 story, frame, 35 by 60 feet, with concrete vault; a power house and several out buildings, together with three slip ways capable of taking vessels up to 450 feet long.

FIRE HOUSES AND JAILS.

TRACY, SAN JOAQUIN CO., CAL.—Fire house, 1 story, brick. Cost not stated. Architects, Sala & Mayo, Commercial and Savings Bank Bldg., Stockton. Owners, City of Tracy. Will contain apparatus room and living quarters. Plans complete and figures being taken. Bids open on December 26th.

FLATS.

SAN FRANCISCO—Flats, 2, 3 story and base, frame, \$5,000 each. Architect, none. Owner, P. Algot Nelson, 33 19th street, S. F. Location, southwest Eureka and 19th. Each building will contain three flats of four and five rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and se, frame, \$2,500. Architect, none. Owner, E. Sere, 2821 Greenwich street, P. Location east Lila north 26th. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and se, frame, \$4,000. Architect, none. Owner, L. B. Ham, 274 25th avenue S. Location, west 19th avenue south side, covering an area of 25 by 75 ft. Will contain two five room flats and basement garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, Emma J. Doran, 117 Liberty street, S. F. Location, west Josephine north Vine. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Flats, 3 story and se, frame, \$5,000. Architect, none. Owner, J. S. Niemela, 74 Lansing street, S. F. Location, north Cabrillo west 9th avenue. Will contain two flats of five and six rooms and a basement garage. Plans complete and work to be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Flats, 2 story and base, brick and frame. Cost not stated. Architect, Eugene Mathewson, Cory Bldg., Fresno. Owner, S. N. Smith. Location, Mariposa and M Streets. Will contain four large residential flats. Plans complete and figures being taken.

GARAGES

BERKELEY ALAMEDA CO., CAL.—Garage 2 story and base, brick, \$5,000. Architect, F. Holberg Reimers, Acheson Bldg., Berkeley. Owner, A. M. Harvey. Location, Solano and Colusa streets. Will contain garage on the first floor and a public hall on the upper floor. Plans are being prepared.

SAN FRANCISCO—Garage, 2 story and base, reinforced concrete. Cost not stated. Architect, Clarence A. Tanta, Clunie Bldg., S. F. Owner, Dr. George B. Somers. Location, east Van Ness south California. Contract for the excavating, concrete work and back filling has been awarded to George Bos for \$39,889, and segregated figures on all other parts of the work are now being taken.

OAKLAND, CAL.—Garage, 1 story, frame. Cost not stated. Architects, Merrill and J. C. Newsom, 1748 Broadway, Oakland. Owner, R. Matt. Location, east 14th street. Designed for a commercial garage. Plans being prepared.

GOVERNMENT WORK & SUPPLIES.

Twin Falls, Idaho, Post Office.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for the construction, complete, of the U. S. post office at Twin Falls, Idaho:

Proposal No. 1, facing the building with brick except where stone is required and using light-colored limestone except where granite is required; proposal 2, do, using light-colored sandstone; proposal 3, facing the building with stone; proposal 4, do, using light-colored limestone.

Northern Pacific Construction Co., Pocatello, Idaho, proposal No. 1, \$104,800; 2, \$103,800; 3, \$108,700; 4, \$107,900.

C. E. Goodhand, Ord, Neb., proposal 1, \$85,700; 2, \$85,000; 3, \$91,700; 4, \$91,000.

Geo. A. Whitmeyer & Sons, Ogden, Utah, proposal 1, \$90,857; 2, \$90,025; 3, \$93,951; 4, \$93,147.

W. D. Lovell, Minneapolis, Minn., proposal 1, \$81,300; 2, \$80,700; 3, \$84,750; 4, \$84,150.

C. R. Aldrich, Seattle, Wash., proposal 1, \$82,000; 2, \$79,700; 3, \$85,900; 4, \$81,900.

J. F. Weise, Omaha, Neb., proposals 1 and 2, \$89,480; 3, \$93,480; 4, \$94,000.

Welch Bros. & Hannaman, Kalispel, Mont., proposal 1, \$83,323; 2, \$83,589; 3, \$87,146; 4, \$86,452.

Sound Construction and Engineering Co., Seattle, Wash., proposal 1, \$83,433; 2, \$90,397; 3, \$81,278; 4, \$93,297.

J. M. Dougan, Portland, Ore., proposal 1, \$91,951; 2, \$90,791; 3, \$96,721; 4, \$95,221.

Olson & Johnson Co., Missoula, Mont., proposal 1, \$83,975; 2, \$83,000; 3, \$88,355; 4, \$88,000.

Hendrickson & Co., Seattle, Wash., proposal 1, \$85,449; 2, \$82,949; 3, \$86,697; 4, \$85,198; 5, \$86,785; 6, \$86,296.

Reclamation Work.

Bids for construction of a canal on the Flathead Project Mont., were received by the U. S. Reclamation Service, St. Ignatus, Mont., as follows:

A. L. Markhus, Dixon, Mont., schedule 1, \$19,260; 2, \$15,852; 3, \$20,270; 4, \$19,941.

Mendenhall, Bird & Co., Springfield, Utah, schedule 2, \$12,652; 3, \$16,260; 4, \$19,457.

Long & Kelley, Polson, Mont., schedule 2, \$14,212.

Pearson Construction Co., Seattle, Wash., schedule 1, \$17,747.50; 2, \$16,102; 3, \$17,915; 4, \$18,269.50.

Coast Guard Station, Sluslaw Station, Oregon.

The following bids were received at the office of the captain commandant, U. S. Coast Guard Station for constructing a Coast Guard Station and accessories on the Sluslaw River, Ore.:

The J. H. Tillman Co., 931 Chamber of Commerce Building, Portland, Ore., \$10,610; will complete April 30, 1917.

Lumhard & Jensen, Eugene, Ore., \$10,950; complete June 1, 1917.

Bert Ward, 513 Thirty-first avenue, Seattle, Wash., \$9,770; complete May 1, 1917.

Victor J. Carlson, 445 Vancouver avenue, Portland, Ore., \$11,800; complete April 28, 1917.

W. W. Ladd, Marshfield, Ore., \$10,664; complete 120 days after acceptance of contract.

Miami Quarry Co., 514 Selling Building, Portland, Ore., \$10,996; complete August 31, 1917.

H. R. Kibler, 604 Spaulding Building, Portland, Ore., \$8,389; complete 160 days after award of contract.

Panama Canal Colliers.

No bids were received by the purchasing officer of the Panama Canal on December 1, under circular No. 1038 for furnishing two collars of 12,000 tons capacity. Two informal propositions were submitted; one from Derham Brothers, of 11 Broadway, New York, offering to turn over immediately for the sum of \$3,100,000 the American steamship Minnesota now in the harbor of San Francisco. It is stated the vessel has recently been overhauled and 16 new water tube boilers installed. A further statement is made the Minnesota has the greatest cargo capacity of any vessel in the world.

The Maryland plant of the Bethlehem Steel Co., submitted a proposition to build the collars at a certain cost for construction with an agreed per cent of profit.

None of these informal offers under the law can be entertained, nor has it yet been decided what steps will be taken to obtain the collars.

Mare Island, Kitchen Equipment.

The contract for installing kitchen equipment in the marine barracks, Mare Island, Cal., has been awarded to S. B. Sexton Stove and Mfg. Co., of Baltimore, Md., at \$6,655.45.

San Diego, Locomotive Crane.

The contract for furnishing locomotive crane at the naval station, San Diego, Cal., has been awarded to The Link Belt Co., of 325 W. 39th street, New York City, at \$1,200 under Item 2 of the specification.

Thiboron, Cal., Dredging.

The Pacific Construction, Dredging and Reclamation Co., 112 Market street, San Francisco, Cal., has the contract for dredging at the naval coal depot, Thiboron, Cal., City Point, Cal., the price for item 1 being 12.9c and for item 3 25c.

Lake Washington, Ship Canal.

The contract for dredging in Lake Washington ship canal has been awarded to the Erickson Construction Co., of Seattle, Wash.

Vancouver, Wash., Post Office.

In the construction of the U. S. post office at Vancouver, Wash., the contract for which was awarded to the Campbell Building Co., Salt Lake City, Utah, air valves for end of steam mains manufactured by Jenkins Brothers will be used in lieu of those manufactured by the Hoffman Steam Specialty Co., previously approved.

HALLS AND SOCIETY BUILDINGS.

SAN FRANCISCO—Association building, 2 and 6 story and base. Class C construction, \$150,000. Architect, Lewis P. Hobart, Crocker Bldg., S. P. Owners, Young Women's Christian Association. Location, north Sutter near Mason, covering an area of 76 by 137½ feet. Plans are nearly complete and figures will be called for shortly.

SAN FRANCISCO—Club service building, 2 story, reinforced concrete, \$10,000. Architect, Willis Polk, Hobart Bldg., S. F. Owners, Pacific Union Club. Will cover an area of 25 by 40 feet and contain storage space and machinery equipment. Plans complete and figures being taken.

HOTELS.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Hotel, 1 and 2 story, log, \$100,000. Architect, J. J. Fraunfelder, Story Bldg., L. A. Owner, Harry Dillon. Location, Rim of the World Route. Designed for a tourist hotel and will contain sixty rooms besides dining room, office, lobby and kitchen. Plans are being completed and figures will shortly be called.

IRRIGATION PROJECTS.

MODESTO, STANISLAUS CO., CAL.—Irrigation work. Cost as follows. Engineer, Chief Engineer Hermann, Modesto. Owners, Modesto Irrigation District. Holm & Mortenson, Riverbank, were the lowest bidders and were awarded a contract at \$3,805 for constructing three concrete structures in Lateral No. 4 for the Modesto Irrigation District.

LIBRARIES.

SAN FRANCISCO—Libraries, 2, 2 story and base. Class C construction, \$45,000 each. Architects as follows. Owners, City and County of San Francisco. Approved plans for the two branch libraries will reach San Francisco the first of next week. Secretary Mullin states that bids will not be called for sometime thereafter as specifications have to be prepared. Both buildings will be of the class C type of construction and each will cost in the neighborhood of \$45,000. Architect, G. Albert Lansburgh prepared plans for the building to be erected at 18th avenue and Irving, and Architect Ernest Coxhead the plans for the building to be erected at Green and Octavia streets.

Contract Awarded.

OKADALE, STANISLAUS CO., CAL.—Library, 1 story and base, frame and concrete, \$6,371. Architect's name not given. Owners, Stanislaus County,

Contractors, W. D. Voorhies & Son, Lodi. Contract price, \$6,371.

POWER PLANTS.

SAN LEANDRO, ALAMEDA CO., CAL.—Laying water pipe. Engineer, City Engineer, San Leandro. Owners, City of San Leandro, Manning Bros., and Toffelmier of San Leandro, Cal., want sub bids for excavating for five miles of trenches, laying of five miles of 20-inch water pipe and calking of same.

CAMAS, WASH.—Water system, \$75,000. Engineer, L. B. Wickersham, Chamber of Commerce Bldg., Portland. Owners, City of Camas. The project involves installing a gravity system with headworks on Jones Creek, and a pipe line to the reservoir at Camas; alterations of distributing system; repairs and enlargement of the reservoir; construction of headworks, etc. There will be about seven miles of new pipe line to replace an existing open flume.

RAILROAD CONSTRUCTION AND EQUIPMENT**Contract Awarded.**

SEATTLE, WASH.—Railroad terminal. Cost as follows. Engineer, Chief Engineer, Northern Pacific R. R. Co. Owners, Northern Pacific Railway. The contract for the construction of the new terminals for the Northern Pacific Railway Co. on Hanford street and Occidental avenue, running through the block to the city waterway, has been awarded to the E. B. Rounds Construction Co., Walker Bldg., Seattle. The work will cost \$150,000. The project under this contract includes: 22 stall frame roundhouse with concrete foundation, 85-foot turntable, 48 by 120 feet frame machine shop, 24 by 30 feet frame blacksmith shop, 34 by 80 feet frame store house with concrete basement, 20 by 34 feet brick oil house, 21 by 50 feet frame engineers' building, 25 by 29 feet frame lavatory, 12,000 gallon capacity oil tank and oil cellar, 100-foot cinder pit, 25 by 16 feet coal shed, 23 by 169 feet sand house, 2-tract coal dock, 100,000 gallon wood water tank, 2 stand pipes. Complete heating and plumbing system for entire plant.

RESIDENCES.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$8,000. Architect, Edward E. Young, 251 Kearny St., S. F. Owner, H. H. Helbush, 75 Sutter street, S. F. Location, west Jordan avenue south California. Each dwelling will contain ten rooms, two baths and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$10,000. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F. Location, west 26th avenue south Sea Cliff. Will contain ten rooms, three baths and basement garage. Plans complete and work to be done by Day Labor.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, A. H. Pallen, 686 61st street, Oakland. Location, Santa Fe avenue south Solano. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,000. Architects, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owner, J. Galiano. Location, Warfield avenue. Will contain seven rooms, bath and sleeping porch. Plans being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, P. S. Walsh, 495 Rich street, Oakland. Location, east Shafter north 42nd street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, C. E. Sinclair, Y. M. C. A. Bldg., Berkeley. Location, east Fresno south Solano street. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Charles D. Hart, 615 22nd street, Oakland. Location, west Jean south Monte Vista. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, P. S. Walsh, 495 Rich street, Oakland. Location, east Shafter avenue north 42nd street. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, Harry Schwalm, 721 Main street, Hayward. Location, south Annerly Road east Harvard. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, J. A. Leithmann, 3418 Champion street, Oakland. Location, west Champion north Montana. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, M. A. Colt, 1028 Washington street, Oakland. Location, north Scenic avenue west Laguna. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$2,000. Architect, none. Owner, R. C. Hillen, 430 Haight avenue, Alameda. Location, north Arkansas east Curran avenue. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

BURLINGAME, SAN MATEO CO., CAL.—Residence, 1 story and base, frame, \$3,000. Architect, Thomas Edwards, Bank Bldg., Burlingame. Owner's name not given. Will contain six rooms, bath and sleeping porch. Plans being prepared.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, C. H. Shumard, Fresno. Location, Stratford Place. Will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

LOS ANGELES, CAL.—Residence, 2 story and base, hollow tile. Cost not stated. Architects, Milwaukee Building Co., Wright and Callender Bldg., 14. A. Owner, Karl Steinlein. Location, Andrews Boulevard near 6th St. Will contain fourteen rooms and four baths. Separate garage. Plans being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architects, Wright & Rushforth, 354 Pine street, S. F. Owner, G. A. Mattern. Location, 2825 Hillegas avenue. Will contain eight rooms, two baths and sleeping porch. Plans complete and work being figured.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1½ story and base, frame, \$3,000. Architect, none. Owner, James J. Graville, 4231 18th street, S. F. Location, Lakewood Park. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect A. W. Pattiani, Merchants' National Bank Bldg., S. F. Owner, Harriet H. Coe. Location, east Euclid avenue north Van Buren. Will contain eight rooms, two baths and sleeping porch. Plans complete and contract to be let shortly.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, J. W. Davis, 1641 Allston Way, Berkeley. Location Bancroft and McGee. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

LOS ALTOS, SANTA CLARA CO. CAL.—Residence 2 story and base, frame, \$25,000. Architect, J. R. Miller, Lick Bldg., S. F. Owner, Mr. Herzstein. Designed for a country house and will contain fourteen rooms, several baths and sleeping porches. Separate garage and out buildings. Plans being prepared.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,00. Architect, none. Owner, W. B. Phillips, 4019 Cypress avenue, Sacramento. Location, Boyle Tract. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SCHOOLS.

YREKA, SISKIYOU CO. CAL.—School, 2 story and base, brick and concrete, \$65,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Yreka School District. This building will be the first unit of a group which will cost \$165,000 when completed. The first building will contain class rooms and an assembly hall. Plans are now being prepared.

Contract Awarded.

OAKLAND, CAL.—Schools, 3, 1 story, frame, \$2,095. Architect, none. Owners, City of Oakland. Contractor, John R. Faulkes, 9828 East 14th street, Oakland. These buildings are of the portable type and will each contain one class room.

RICHMOND, CONTRA COSTA CO., CAL.—School, 2 story, brick and concrete, \$20,000. Architect, James T. Narett, 910 Macdonald avenue, Richmond. Owners, City of Richmond. The contracts awarded were: J. S. Hannah, Chronicle Bldg., S. F., general con-

tract, \$11,736; J. N. Long, 327 East street, Richmond, plastering, \$4,755; Scott Co., 243 Minna street, S. F., heating, \$2,750, and Spierch Bros, 25 Park Place, Richmond, \$1,129 for plumbing. The Board laid the bid of Schrader Bros, for \$2,672 to install the structural steel work on the building over for two weeks.

FRESNO, FRESNO CO., CAL.—School heating system, \$2,918. Architects, Coates & Traver, Fresno. Owners, City of Fresno. Contractor, J. C. Hurley Co., 509 6th street, S. F. Contract price, \$2,918.

SEWERS, STREET WORK & WATER SYSTEMS.

BERKELEY, ALAMEDA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on December 26th for street improvements authorized under the following resolution: That Lincoln street, from Chestnut street, a distance of 372 feet, be graded; that concrete curbs and gutters be constructed and that the remainder of the roadway be macadamized and surfaced with oil and rock screenings; and that a concrete storm culvert be constructed, and a 6-inch, vitrified, ironstone pipe sewer be constructed with two manholes.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be opened on December 26th for street improvements authorized under the following resolution: That a portion of 25th street, formerly Nadeau street, and 26th street, formerly Dumont street, and 28th street, formerly Sobrante street, in the Fifth Addition, be improved by paving with Richmond Standard macadam, consisting of broken stone and of asphaltum having a penetration of from 125 degrees to 140 degrees. District of Columbia Standard and the construction of cement concrete curbs, gutters, sidewalks and wing walls.

PLACERVILLE, EL DORADO CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor Clifton H. Wildman, Placerville. Owners, El Dorado County. Bids will be opened on January 4th at 2 p. m. for the construction of about 3½ miles of earth surface wagon road. The work is located near Placerville and is known as the Morga Grade. About 42,000 cubic yards of excavation is included. Plans can be secured from County Clerk Arthur J. Koletzke, Placerville, on deposit of \$10.

SANTA ANA, ORANGE CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Santa Ana. Owners, Orange County. The Orange County Supervisors have rejected all bids received for paving two and one-half miles of road between Brea and Olinda, as it was found that sufficient funds were not available.

REDWOOD CITY, SAN MATEO CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. At the last meeting of the County Supervisors it was ordered that the County Engineer be instructed to prepare plans and specifications for the grading of the new summit road in the Second Township.

MODESTO TO FAYETTEVILLE, CAL.—Highway construction. Cost not stated. Engineer, Modesto. Owners, Modesto and Fayetteville Counties. Following the action of the Modesto and Fayetteville County Boards and the Supervisors directed to the County Clerk to call for bids for a 4 mile 2nd for the construction of three stretches of new highway: The Waterford road, Modesto to Empire, 3.1 miles of the Paradise road, two miles from Modesto, and the Maze road, from Modesto to westward.

LOS ANGELES, CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, J. A. Owners, Los Angeles County. Sealed bids will be received by the Board of Supervisors until 2 p. m. December 6, 1916, for improving Vine street, near Glendora, in Road Improvement District No. 55. The road to be improved is 2.62 miles long and involves approximately 13,757 cubic yards excavating; 13,811 linear feet shaping roadbed; 10,152 tons broken stone for all macadam road; 150 cubic yards concrete for curbs; 6,397 pounds reinforcing steel; 1,700 linear feet standard gauge fence. Estimated cost to contractor, \$21,966.81. The county will furnish the broken stone and oil.

Contract Awarded.

OAKLAND, CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. The City Council has awarded a contract to M. P. Cambar, 1044 91st avenue Oakland, for the following work: That a vitrified, pipe sewer, having an internal diameter of 8 inches, be constructed along Maybelle avenue, between points distant thereon respectively 525.5 feet and 825.5 feet northeast from the northeast line of Bayo street; also that a vitrified pipe manhole with top of brick and cast iron be constructed at the northeast end of said sewer; also that Y branches, each having a 5-inch opening, be constructed on said sewer so as to provide one such branch for each 40-foot lot, and fractional lot remaining, into which the abutting property frontage is capable of being divided.

PITTSBURG, CONTRA COSTA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Pittsburg. Owners, City of Pittsburg. Hutchinson Co., 13th and Franklin streets, Oakland, have been awarded a contract by the City Trustees for the following work: That a 10-inch, vitrified, salt-glazed, ironstone pipe main sewer be constructed on East Second street, from Mack Diamond street to Cumberland street, thence south along Cumberland street to East Third street; and that manholes be constructed; that 4-inch, vitrified, salt-glazed ironstone pipe laterals sewers be constructed; 10-inch sewer to the curb line, and that said lateral sewers be connected with said above mentioned 10-inch sewer with Y branches.

SACRAMENTO, CAL.—Street Improvements. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. A contract for street improvements has been awarded under the following resolution: That the alley between J and K streets, from the east line of 13th street to the west line of 14th street, be improved by grading the alley and constructing thereon an asphalt pavement, consisting of an asphalt mac-

adam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento.

BERKELEY, ALAMEDA CO., CAL.—Street improvement. Cost as follows. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. The City Council has awarded a contract to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, Cal., for the improvement of the eastern half of San Pablo avenue, from the north city line to the south city line, for the sum of \$58,035.55, by grading, constructing concrete curbs and sewers, a vitrified pipe storm sewer, one manhole, reinforced concrete catch basins, vitrified pipe connections with the storm sewer and the remainder of the roadway be paved with asphaltic wearing surface 2 inches thick laid on a concrete foundation 6 inches thick.

REDWOOD CITY, SAN MATEO CO., CAL.—Culverts, reinforced concrete, \$1,469.80. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, A. Mattson, Chapman street, South San Francisco. Contract price, \$1,469.80.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction, \$5,076. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, E. M. Chadbourne, 503 Market street, S. F. Contract price, \$5,076.

STORES AND OFFICES.

SAN FRANCISCO—Stores and offices, 10 story and base. Class A construction. Cost not stated. Architects, Reid Pros. California-Pacific Bldg., S. F. Owners, Matson Navigation Co. Location, Market and Spear streets, covering an area of 137½ by 137½ feet. Will contain a number of stores on the ground floor and over 200 offices on the upper floors. Construction will be started about March 1st.

BERKELEY, ALAMEDA CO., CAL.—Stores, 1 story and base, frame, \$3,660. Architect, Eugene K. Martin, 2932 Shattuck avenue, Berkeley. Owner, E. C. Curry, 2745 Elwood avenue, Berkeley. Location, College avenue north Ashby. Will contain three small stores. Plans complete and figures being taken by the owner.

PITTSBURG, CONTRA COSTA CO., CAL.—Stores and offices, 2 story and base, brick. Cost not stated. Architect, A. W. Cornelius, Merchants' National Bank Bldg., S. F. Owner, D. Frankel. Location, Third and Railroad avenue. Will contain three stores on the first floor and a number of offices and apartments on the upper floors. Plans are complete and figures will be called for shortly.

FRESNO, FRESNO CO., CAL.—Stores and offices 6 story and base. Class A construction, \$165,000. Architect, Eugene Mathewson, Forsythe Bldg., Fresno. Owner, Mrs. Nellie Mason. Location J street, covering an area of 150 by 150 feet. Will contain a number of stores on the first floor and 250 offices on the upper floors. Plans are complete and figures being taken.

SAN FRANCISCO—Stores and offices, 2 story and base. Class A construction. Cost not stated. Architect, Willis Polk, Hobart Bldg., S. F. Owners, McCreery Estate. The proposed office

structure to be erected at the northeast corner of Pine and Montgomery streets on the property of the McCreery Estate, will be but two stories high instead of ten as at first proposed. Originally designed for the Western Union Telegraph Co., a ten-story structure was planned, but recently the telegraph company secured other quarters and the original plans have been abandoned. A two-story class A structure will be erected with foundations and steel work so designed as to carry additional stories.

SAN FRANCISCO—Stores, 1 story, frame, \$3,000. Architect, none. Owner, C. J. Keenan, 20 Broderick street, S. E. Location, southeast 10th avenue and Cabrillo, covering an area of 30 by 95 feet. Will contain one store. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Stores and lofts, 3 story and base. Class C construction. Cost as follows. The Port of San Francisco Association, Robert Dollar, President; John Parr, Secretary, has announced its intention of improving its property at the corner of Davis and Sacramento streets with at least a three-story class C building, costing in the neighborhood of \$40,000. Preliminary sketches have been prepared by Naval Architect George Dickey, but these will be submitted to a construction architect and revised. The first floor will be occupied by the association with offices and club rooms, while the upper floors will either be arranged for lofts for commercial purposes or else for living rooms to be conducted under the management of the local Army and Navy Young Men's Association. Construction will not be started until after the first of February.

TULARE, TULARE CO., CAL.—Store alterations, 2 story and base. Class C construction, \$10,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Quilty Estate. Location, K and Kern streets. Work will consist of new store fronts, marble bases, electric work, plumbing and interior finish. Plans are being prepared.

POMONA, LOS ANGELES CO., CAL.—Telephone exchange, 2 story and base, reinforced concrete. Cost not stated. Architect, Paul F. Diggs, First National Bank Bldg., Pomona. Owners, The Home Telephone Co. Will cover an area of 50 by 60 feet, and contain offices besides the telephone company's plant. Plans are being prepared.

Contract Awarded.

SEATTLE, WASH.—Exhibit building, 1 and 2 story and base, brick and plaster, \$50,000. Architects, Howells & Stokes, Henry Bldg., Seattle. Owners, Metropolitan Co. Contractors, Grant Smith & Co., Henry Bldg., Seattle. Contract price, \$50,000.

THEATRES.

NAPA, NAPA CO., CAL.—Theatre and stores, 2 story and base. Class C construction, \$25,000. Architect, L. M. Turton, Napa. Owners, John and Samuel Garibaldi, leased to S. Errant and S. Fisher of San Francisco. Besides the theatre, which will have a seating capacity of 1,10 people, there will be a number of modern stores on the first floor. Upper floor will be arranged for offices. Plans are being prepared.

SEALED PROPOSALS

PROPOSALS FOR S. F. Q. M. SUPPLIES

SAN FRANCISCO Q. M. NO. 143—Office of the Depot Quartermaster, Fort Mason, San Francisco, Cal.—Sealed proposals will be received here until December 26, 1916, under circular 143 for furnishing 25,000 pounds ammonia, 100 barrels, 35,000 pounds grate bars, 500 dry batteries, 2,000 packing boxes, 500 do., 200 yards velvet carpet, 50 barrels Portland cement, 30,000 pounds cottonwood excelsior, 500 brass pipe fittings, 3,000 standard pipe fittings, 200,000 pounds ice, 50 barrels lime, 6,000 feet wrought pipe, 3,000 feet steel wire rope, 200 pounds soft pure gum rubber, 200 sacks sawdust 200 gallons bituminous solution, 1,000 rubber stamps, 30 brass angle valves, 20 brass check valves, 12 do., 100 brass globe valves, 200 pounds rubber valves and 500 gauge glass washers. For further information address JOHN T. KNIGHT, colonel, depot quartermaster corps, depot quartermaster.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1106—Proposals for Galvanized Steel, Spring Steel, Black Links, Rivets, Bolts, Nails, Tacks, Poultry Netting, Pipe Straps, Electric Cable and Wire, Steel Conduit and Fittings, Electrical Fittings, Electric Motors, Electric Pumps, Reflectors, Slate Slabs, Insulating Tape, Spark Plugs, Fire Extinguishers, Tally Registers, Hawsing Bortles, Rubber Boots, Leather, Glue, Manganese Dioxide, Wrought Pipe, Sheet Metal, Paper, Lumber and Ties.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Colon, P. R., until 10:30 a. m. December 27, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blank and general information relating to this circular (No. 1106) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal., also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. Army, general purchasing officer.

PROPOSALS FOR PONTOONS.

WOODEN PONTOONS—Engineer Office, U. S. Army, Room 405, Custom House, San Francisco, Cal.—Sealed proposals for furnishing and erecting wooden pontoons for the U. S. dredges Sacramento and San Joaquin will be received at this office until 10 a. m. December 28, 1916, and then publicly opened. Information on application.

PROPOSALS FOR DREDGING.

DREDGING—U. S. Engineer Office, 401 Custom House, San Francisco, Cal.—Sealed proposals for dredging in Oakland Harbor, Cal., will be received here until 11 a. m. December 27, 1916, and then opened. Information on application.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 9, 1916.—SEALED PROPOSALS will be opened in this office at 3 o'clock, January 22, 1917, for the construction of a complete covering of the United States Post Office at Richfield, Utah. Drawings and specifications may be obtained from the custodian of the site at Richfield, Utah, or at this office, in the discretion of the Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect. (*)

PLANS FOR IRON WORKS OFFICE BUILDING APPROVED.

Plans prepared by Architect Frederick H. Meyer, Bankers' Investment Bldg., have received the approval of the Board of Public Works and construction on the proposed office building for the Union Iron Works will be started immediately. The structure, which will be a three-story and basement brick, will be erected at the northeast corner of Twentieth and Illinois streets and is estimated to cost \$164,000. The permit will cost \$97.60.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO.

RESIDENCE—2 story and base, frame, \$10,000. San Francisco. Architect, none. Owners, Allen & Co., 125 Sutter street, S. F. Location, west 26th avenue south Sea Cliff. Will contain ten rooms, three baths and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$8,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, H. H. Helbush, 75 Sutter street S. F. Location, west Jordan avenue south California. Each dwelling will contain ten rooms, two baths and basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$25,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name not given. Location, south 17th street west Church. Will contain 24 apartments of two and three rooms. Plans complete and figures being taken.

FLATS—2, 3 story and base, frame, \$5,000 each. San Francisco. Architect, none. Owner, P. Algot Nelson, 4323 19th street, S. F. Location, southeast Eureka and 19th. Each building will contain three flats of four and five rooms. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, E. Sere, 2821 Greenwich street, S. F. Location, east Lilac north 26th. Will contain two flats of five and six rooms. Plans complete and work to be done by Day Labor.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, L. B. Ham, 271 25th avenue, S. F. Location, west 19th avenue south Geary, covering an area of 25 by 50 feet. Will contain two five-room flats and basement garage. Plans complete and work to be done by Day Labor.

FACTORY REPAIRS—3 story, frame, \$3,000. San Francisco. Architect, J. A. Porporato, 619 Washington street, S. F. Owners, Roma Macaroni Factory. Location, southeast Grant avenue and Francisco. Work will consist of repairing fire damage. Plans are complete and ready for figures.

WAREHOUSE—6 story and base, reinforced concrete. Cost not stated. San Francisco. Architect's name not given. Owners, Regents of the University of California. Location, east First street between Market and Mission. The entire building has been leased to a large wholesale shoe firm. Construction will probably be under the direction of the Clinton Fireproofing Co. Further mention will be made of the work.

WAREHOUSE AND FACTORY—4 story and base, reinforced concrete. Cost not stated. San Francisco. Engineer, Maurice Couchot, 110 Sutter St., S. F. Owners, American Ever Ready Co. Location, northeast Eighth and Brannan. Only a portion of the build-

ing as originally planned will be erected at this time. Plans for this unit are complete and figures are now being taken.

LIBRARIES—2, 2 story and base. Class C construction, \$45,000 each. San Francisco. Architects as follows. Owners, City and County of San Francisco. Approved plans for the two branch libraries will reach San Francisco the first of next week. Secretary Mullin states that bids will not be called for sometime thereafter as specifications have to be prepared. Both buildings will be of the class C type and each will cost in the neighborhood of \$45,000. Architect, G. Albert Lansburgh prepared plans for the building to be erected at 18th avenue and Irving and Architect Ernest Coxhead the plans for the building to be erected at Green and Octavia streets.

STORES AND OFFICES—10 story and base. Class A construction. Cost not stated. San Francisco. Architects, Reid Bros., California-Pacific Bldg., S. F. Owners Matson Navigation Co. Location, Market and Spear streets, covering an area of 137½ by 137½ feet. Will contain a number of stores on the ground floor and over 200 offices on the upper floors. Construction will be started about March 1st.

APARTMENT HOUSE—3 story and base, frame. Cost not stated. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owner, B. F. Meyer. Location, south California east 3rd avenue, covering an area of 50 by 95 feet. Will contain twelve suites of four rooms and bath. Plans complete and figures to be taken at once.

APARTMENT HOUSE—3 story and base, frame, \$15,000. San Francisco. Architect, none. Owner, D. J. Clancy, 2884 Folsom street, S. F. Location, southwest Mason and Malvina streets, covering an area of 40 by 52 feet. Will contain twelve apartments of three and four rooms. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE ALTERATIONS—3 story, frame. Cost not stated. San Francisco. Architect, Carl Geiffuss, 46 Kearny street, S. F. Owner, Mr. Hansen. Location, Fulton near Steiner. Work will consist of converting the present flat building into modern apartments. Plans are complete and figures being taken.

FLATS—3 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, J. S. Niemela, 74 Lansing street, S. F. Location, north Cabrillo west 9th avenue. Will contain two flats of five and six rooms and a basement garage. Plans complete and work to be done by Day Labor.

BANK AND OFFICES—12 story and base. Class A construction. Cost not stated. San Francisco. Architect, George William Kelham, Sharon Bldg., S. F. Owners, American National Bank.

Location, southeast Montgomery and California streets, covering an area of 68½ by 137½ feet. Ground floor will be occupied by the bank and upper floors arranged for offices. Plans are being prepared.

GARAGE—2 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, Clarence A. Tantau, Clunie Bldg., S. F. Owner, Dr. George B. Somers. Location, east Van Ness south California. Contract for the excavating, concrete work and back filling has been awarded to George Bos for \$39,889, and segregated figures on all other parts of the work are now being taken.

CLUB SERVICE BUILDING—2 story, reinforced concrete, \$10,000. San Francisco. Architect, Willis Polk, Hobart Bldg., S. F. Owners, Pacific Union Club. Will cover an area of 25 by 40 feet and contain storage space and machinery equipment. Plans complete and figures being taken.

ASSOCIATION BUILDING—2 and 6 story and base. Class C construction, \$150,000. San Francisco. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Young Women's Christian Association. Location, north Sutter near Mason, covering an area of 75 by 127½ feet. Plans are nearly complete and figures will be called for shortly.

STORES AND OFFICES—2 story and base. Class A construction. Cost not stated. San Francisco. Architect, Willis Polk, Hobart Bldg., S. F. Owners, McCreery Estate. The proposed office structure to be erected at the north-east corner of Pine and Montgomery streets on the property of the McCreery Estate, will be but two stories high instead of ten as at first proposed. Originally designed for the Western Union Telegraph Co., a ten-story structure was planned, but recently the telegraph company secured other quarters and the original plans have been abandoned. A two-story class A structure will be erected with foundations and steel work so designed as to carry additional stories.

STORES—1 story, frame, \$3,000. San Francisco. Architect, none. Owner, C. J. Keenan, 20 Broderick street, S. F. Location, southeast 10th avenue and Cabrillo, covering an area of 30 by 95 feet. Will contain one store. Plans complete and work to be done by Day Labor.

STORES AND LOFTS—3 story and base. Class C construction. Cost as follows. San Francisco. The Port of San Francisco Association, Robert Dollar, President; John Parr, Secretary, has announced its intention of improving its property at the corner of Davis and Sacramento streets with at least a three story class C building, costing in the neighborhood of \$40,000. Preliminary sketches have been prepared by Naval Architect George Dickey, but

these will be submitted to a constructing architect and revised. The first floor will be occupied by the association with offices and club rooms, while the upper floors will either be arranged for lofts for commercial purposes or else for living rooms to be conducted under the management of the local Army and Navy Young Men's Association. Construction will not be started until after the first of February.

Contract Awarded.

SEA WALL CONSTRUCTION—\$28,343. San Francisco. Engineer, Chief Engineer, State Board of Harbor Commissioners, Ferry Bldg., S. F. Owners, State of California. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price, \$28,343. A complete list of the bids received will be found under the heading of "Bids Opened" in this issue.

Building Contracts Awarded.

SAN FRANCISCO.

No.	Owner	Contractor	Amt.
3537	Ferber	Ferber	1000
3538	Baumeister	Klahn	500
3539	Brady	Bryant	400
3540	Schultz	Weismann	5900
3541	Tufts	Nicoll	400
3542	Abraham	Hansen	15000
3543	Proctor	Proctor	5000
3544	Butler	Allyn	5000
3545	Law	Hansbrough	2000
3546	Sutherland	Nicoll	6445
3547	King	Cal Eneok	2220
3548	Same	Same	3149
3549	Same	Henderson	35860
3550	Doble	Donovan	1872
3551	Green	Scott	1150
3552	Same	Otis	1600
3553	Same	Kilham	2400
3554	Same	De Lew	1700
3555	Same	Ray	525
3556	Same	Musto	433
3557	Same	Lowry	395
3558	Same	Gradin	1700
3559	Same	Henderson	17205
3560	Helbush	Helbush	8000
3561	Same	Same	8000
3562	Levy	Levy	1100
3563	Same	Same	1100
3564	Krutmeyer	Krutmeyer	400
3565	Walsh	Goodman	2970
3566	Schulz	Weismann	5565
3567	Harris	Antonovich	1900
3568	Same	Same	1900
3569	Ghiotto	Ghiotto	1900
3570	Stafford	Stafford	600
3571	Ham	Ham	4000
3572	Frank	Courtney	1900
3573	Nelson	Nelson	5000
3574	Nelson	Nelson	5000
3575	Kerrigan	Jarvis	1000
3576	Wilcox	McArthur	1000
3577	North Star	Holl	400
3578	Carroll	Lynch	950
3579	Allen	Allen	10000
3580	De Vitt	Binet	6200
3581	Abbott	Matthews	1500
3582	McKay	McKay	400
3583	Termin	Ratto	400
3584	Offen	Danman	4000
3585	Sere	Sere	2250
3586	City & Co of S F	Burcheall	1875
3587	Maguire	Keenan	6218
3588	Driscoll	Hill	18000
3589	Welsh	Welsh	4000
3590	Same	Same	4000
3591	Same	Same	4000
3592	Fisher	Fisher	1000
3593	Everding	Waddell	950
3594	Clancy	Clancy	15000
3595	King	Scott	2245

FRAME RESIDENCE

(3537) NO. 423 DAY. One-story and basement frame residence. Owner.....John Ferber, 1623 Noe, San Francisco. Architect...None. Day's work. COST, \$1000

ALTERATIONS

(3538) W SHOTWELL 72 S 14th. Raise flats and concrete floor, etc. Owner.....Mrs. Baumeister, 12 Shotwell, San Francisco. Architect...A. Klahn, 1334 21st Ave., Ean Francisco.

Contractor...A. Klahn & Son, 1334 21st Ave., San Francisco. COST, \$500

ALTERATIONS

(3539) NO. 312 CHATTANOOGA. Alter front for garage. Owner.....Catherine Brady, Pren. Architect...Matthew O'Brien. Contractor...Gus Bryant, 160 Liberty, San Francisco. COST, \$100

FRAME STORES AND FLAT

(3540) NE PAGE AND STANYAN. Two-story and basement frame (2) stores and flat. Owner.....Henry Schulz, 442 Stanyan, San Francisco. Architect...None. Contractor...Fred Weismann, 1953 Market San Francisco. COST, \$5900

REPAIRS

(3541) NO. 237 GRAFTON. Repair fire damage. Owner.....E. Tufts, Premises. Architect...None. Contractor...W. C. Nicoll, 366 Pine, San Francisco. COST, \$400

FRAME FLATS

(3542) E CHERRY 89-4 N Washington Three-story and basement frame (6) flats. Owner.....A. Abraham, 305 Monadnock Bldg., San Francisco. Architect...J. P. Dunn, Monadnock Bldg., San Francisco. Contractor...F. L. Hansen, Gunst Bldg., San Francisco. COST, \$18,000

FRAME RESIDENCE

(3543) SW TWENTY-FIFTH AVE & Scenic Way. Two-story and basement frame residence. Owner.....John W. Proctor. Architect...Willis Polk & Co., Hobart Bldg., San Francisco. Day's work. COST, \$8500

NOTE:—Job started.

BRICK STORE

(3554) NE SUTTER AND STEINER. One-story brick store. Owner.....Emma Gates Butler, Butler Bldg., San Francisco. Architect...Reid Bros., 105 Montgomery, San Francisco. Contractor...Stockholm & Allyn, Monadnock Bldg., San Francisco. COST, \$5000

NOTE:—Frame half way up.

ALTERATIONS

(3545) S MARKET 56-7 E Third. Alter store fronts on Annie and Market streets. Owner.....Herbert Edward Law, 500 Monadnock Bldg., S. F. Architect...J. C. Hladik, 825 Monadnock Bldg., San Francisco. Contractor...Hansbrough-Johnston Co., 224 Monadnock Bldg., S. F. COST, \$2000

NOTE:—Job started.

FLATS

(3546) W CHURCH 61-6 S Cumberland S 27-6xW 75. All work for three-story and basement frame (4) 3-room flats.

Owner.....Victor L. C. Sutherland, 251 San Carlos Ave., S. F. Designer...John J. Binet Co., 68 Ramona Ave., San Francisco. Contractor...John J. Binet Co., 68 Ramona Ave., San Francisco. Filed Dec. 9, '16. Dated Nov. 20, '16. Frame up\$1612.15 Brown coated 1612.15 Completed 1612.15 Usual 35 days 1612.15 TOTAL COST, \$6448.50 Bond, \$3225. Surety, National Surety Co. Limit, 90 days. Forfeit, \$250. Plans and specifications filed.

FRAME RESIDENCE

(3547) NE LAUREL AND JACKSON E 40xN 127-8 1/4. Electrical work for three-story and basement brick veneer frame residence. Owner.....Frank B. King, Wells Fargo Nevada National Bk. Bldg., San Francisco. Architect...Bakewell & Brown, 251 Kearny, San Francisco. Contractor...The California Electrical Constr. Co., 641 Mission, San Francisco. Filed Dec. 9, '16. Dated Dec. 1, '16. On 15th of each month 75% Usual 35 days 25% TOTAL COST, \$3220

Bond, \$1610. Surety, National Casualty Co. Limit, 180 days. Forfeit, not less than \$2 or more than \$5. Plans and specifications filed.

(3548) PLUMBING ON ABOVE.

Contractor...Frederick W. Snook Co., 596 Clay, San Francisco. Filed Dec. 9, '16. Dated Dec. 1, '16. Payments same as above TOTAL COST, \$3149 Bond, \$1574.75. Surety, U. S. Fidelity & Guaranty Co. Limit, 150 working days. Forfeit, not less than \$5 or more than \$5. Plans and specifications filed.

(3549) EXCAVATION, GRADING, concrete, masonry, tiling, marble and stone work, ornamental iron, lathing and plastering, carpenter and miscellaneous hardware, roofing, sheet metal, skylights, glazing and painting on above.

Contractor...Williams Bros. & Henderson, 381 10th, San Francisco. Filed Dec. 9, '16. Dated Dec. 1, '16. Payments same as above TOTAL COST, \$35,860 Bond, \$17,930. Surety, Massachusetts Bonding & Insurance Co. Limit, 180 days. Forfeit, not less than \$10 or more than \$15 per day. Plans and specifications filed.

ALTERATIONS

(3550) NO. 190 SEA CLIFF AVE. Painting for alterations and additions to dwelling. Owner.....Mary E. Doble, 76 Sea Cliff Ave., San Francisco. Architect...Leo J. Devlin, Pacific Bldg., San Francisco. Contractor...Vincent J. Donovan, 729 Minna, San Francisco. Filed Dec. 9, '16. Dated Dec. 7, '16. On 1st and 15th of each month 75% Usual 35 days 25% TOTAL COST, \$750

Bond, \$375. Sureties, Geo. W. Marsh and Wm. S. Corkery. Limit, as required. Forfeit, none. Plans and specifications filed.

FRAME APARTMENTS

(3551) SW FRANKLIN AND PACIFIC
Ave W 47-48x 100 W A 121. Steam
and hot water heating for three-story
and basement frame apartments.
Owner.....D. H. Green and Rachael
Saalfeld.

Architect...C. A. Meussdorffer, Hum-
boldt Bank Bldg., S. F.
Contractor...Scott Co., 243 Minna, S. F.
Filed Dec. 9, '16. Dated Dec. 4, '16.

Steam pipes roughed in.....\$440
Completed and accepted..... 445
Usual 35 days..... 295

TOTAL COST, \$1180
Bond, \$590. Surety, United States Fi-
delity & Guaranty Co. Limit, as fast
as possible. Forfeit, none. Plans and
specifications filed.

(3552) ONE ELECTRIC AUTOMATIC
elevator on above.

Contractor...Otis Elevator Co., Beach
and Stockton, S. F.

Filed Dec. 9, '16. Dated Dec. 5, '16.
On shipment of engine..... 1/2
Engine installed..... 1/4
On completion..... 1/4

TOTAL COST, \$1600
Bond, limit, forfeit, none. Plans and
specifications filed.

(3553) PLUMBING, GAS FITTING
and sewer work on above.

Contractor...Frank J. Klimm, 221 Oak,
San Francisco.

Filed Dec. 9, '16. Dated Dec. 4, '16.
Rough piping in.....\$900
Completed and accepted..... 900
Usual 35 days..... 600

TOTAL COST, \$2400
Bond, \$1200. Surety, United States Fi-
delity & Guaranty Co. Limit, as re-
quired. Forfeit, none. Plans and spec-
ifications filed.

(3554) ELECTRICAL WORK ON
above.

Contractor...M. A. De Lew, 189 Steven-
son, San Francisco.

Filed Dec. 9, '16. Dated Dec. 4, '16.
2nd and 3rd floors roughed in...\$425
1st floor roughed in..... 425
Completed and accepted..... 425
Usual 35 days..... 425

TOTAL COST, \$1700
Bond, \$850. Surety, United States Fi-
delity & Guaranty Co. Limit, without
delay. Forfeit, none. Plans and spec-
ifications filed.

(3555) 2 OIL BURNERS AND 2 PUMPS
on above.

Contractor...W. S. Ray Mfg. Co., 220
Market, San Francisco.

Filed Dec. 9, '16. Dated Dec. 4, '16.
Completed and accepted.....\$401
90 days after..... 134

TOTAL COST, \$535
Bond, none. Limit, without delay. For-
feit, none. Plans and specifications filed

(3556) MARBLE WORK ON ABOVE

Contractor...Joseph Musto Sons-Keenan
Co., Inc., 565 North Point,
San Francisco.

Filed Dec. 9, '16. Dated Dec. 4, '16.
Completed and accepted.....\$319
Usual 35 days..... 106

TOTAL COST, \$425
Bond, none. Limit, without delay.
Forfeit, none. Plans and specifications
filed.

(3557) FLOOR AND WALL TILING

on above.
Contractor...Lowry & Daly, 1553 Page,
San Francisco.

Filed Dec. 9, '16. Dated Dec. 4, '16.
Completed and accepted.....\$296
Usual 35 days..... 39

TOTAL COST, \$395
Bond, none. Limit, as required. For-
feit, none. Plans and specifications
filed.

(3558) PAINTING ON ABOVE.

Contractor...A. Gradin.

Filed Dec. 9, '16. Dated Dec. 4, '16.
Exterior primed and 1/2 of interior
done.....\$468
Exterior 2nd coated and 1/2 of in-
terior done..... 468
Completed and accepted..... 468
Usual 35 days..... 468

TOTAL COST, \$1872
Bond, \$936. Surety, United States Fi-
delity & Guaranty Co. Limit, as re-
quired. Forfeit, none. Plans and spec-
ifications filed.

(3559) CARPENTER, MILL, DEAFEN-
ing, rough hardware, sheet metal,
brick work, excavation, patent flues,
concrete work, structural steel, orna-
mental iron plastering, roofing, glaz-
ing and hardwood floors on above.

Contractor...W. D. Henderson, Monad-
nock Bldg., San Francisco.

Filed Dec. 9, '16. Dated Dec. 4, '16.
Roofing on.....\$2906
Ready to receive lathing..... 2000
Brown coated on interior and
scratch coat on exterior..... 2000
Ready to receive standing finish 2000
Standing finish on..... 2000
Completed and accepted..... 2000
Usual 35 days..... 4302

TOTAL COST, \$17,208
Bond, none. Limit, 100 days from Dec.
1. Forfeit, none. Plans and specifi-
cations filed.

FRAME RESIDENCE

(3560) W JORDAN AVE 64 S Califor-
nia. Two-story and basement frame
residence.

Owner.....H. H. Helbush, 75 Sutter,
San Francisco.

Architect...Edw. E. Young, 251 Kear-
ny, San Francisco.

Day's work..... COST, \$8000

FRAME RESIDENCE

(3561) W JORDAN AVE 34 S Califor-
nia. Two-story and basement frame
residence.

Owner.....H. H. Helbush, 75 Sutter,
San Francisco.

Architect...Edw. E. Young, 251 Kear-
ny, San Francisco.

Day's work..... COST, \$8000

FRAME DWELLING

(3562) SE NAPLES 175 NE Italy.
One-story and basement frame dwlg.

Owner.....Louis Levy, Monadnock
Bldg., San Francisco.

Architect...None.

Day's work..... COST, \$1100

FRAME DWELLING

(3563) SE NAPLES 150 NE Italy.
One-story and basement frame dwlg.

Owner.....Louis Levy, Monadnock
Bldg., San Francisco.

Architect...None.

Day's work..... COST, \$1100

ALTERATIONS

(3564) S GARDEN 137-9 W Divisa-
dero. Raise, add to and alter dwlg.
Owner.....Matilda Krutmeyer, 2259
Geary, San Francisco.

Architect...None.

Contractor...A. Krutmeyer, 2259 Geary,
San Francisco.

COST, \$400

FRAME RESIDENCE

(3565) NW BROADWAY AND BU-
chanan W 45xN 137-6 W A 565. Ex-
cavation and concrete work for two-
story and basement frame residence.

Owner.....Jas. E. Walsh, 208 Flood
Bldg., San Francisco.

Architect...Bliss & Faville, Balboa
Bldg., San Francisco.

Contractor...Geo. Goodman, Artifielal
Stone Co., 62 Post, S. F.

Filed Dec. 11, '16. Dated Dec. 9, '16.
On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$2970
Bond, \$1485. Sureties, Jno. Faubel and
Jno. Cassaretto. Limit, 30 days. For-
feit, none. Plans and specifications
filed.

FRAME STORE AND FLAT

(3566) NE PAGE AND STANYAN E
100xN 25. All work except shades,
and gas and electric fixtures for two
story frame store and flat.

Owner.....Henry Schulz, 442 Stanyan,
San Francisco.

Architect...None.

Contractor...Fred Weismann, 1955
Market, San Francisco.

Filed Dec. 11, '16. Dated Dec. 7, '16.

Frame up.....\$1650

Brown coated..... 1400

Completed and accepted..... 1350

Usual 35 days..... 1468

TOTAL COST, \$5868

Bond \$2934. Surety, Hartford Accident
& Indemnity Co. Limit, 75 days after
Dec. 11. Forfeit, none. Plans and
specifications filed.

NOTE:—First report Dec. 11. No. 3540

FRAME DWELLING

(3567) E FORTIETH AVE 339 S Cle-
ment. One-story and basement frame
dwelling.

Owner.....Harris & Antonovich, 20
Montgomery, San Francisco

Architect...Owners.

Day's work..... COST, \$1900

FRAME DWELLING

(3568) E FORTIETH AVE 396 S Cle-
ment. One-story and basement frame
dwelling.

Owner.....Harris & Antonovich, 20
Montgomery, San Francisco

Architect...Owners.

Day's work..... COST, \$1900

FRAME DWELLING

(3569) N HAVELOCK 230 E San Jose
Ave. One and one-half-story and
basement frame dwelling.

Owner.....Ghiotto Bros., 1900 San
Jose Ave., S. F.

Architect...None.

Day's work..... COST, \$1900

FRAME OFFICE

(3570) S GEARY 112 E Tenth Ave.
One-story and basement frame office.

Owner.....W. G. Stafford Co., 234
Steuart, San Francisco.

Architect...W. S. Rhodes, 3372 16th,
San Francisco.

Day's work..... COST, \$600

FRAME FLATS

(3571) W NINETEENTH AVE 250 S
Geary. Two-story and basement
frame flats.
Owner.....L. B. Ham, 274 25th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$4000

FRAME FLATS

(3572) E NINTH AVE 56 N Lawton N
24xE 120. All work to complete a
partially completed two-story frame
flat building.
Owner.....Joseph Frank, 811 Balboa,
San Francisco.
Architect...W. J. Cuthbertson, 502
California, San Francisco.
Contractor..G. W. Courtney, 417 Mont-
gomery, San Francisco.
Filed Dec. 12, '16. Dated Dec. 7, '16.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, Bills outstanding against
property and \$1900.
Bond, \$950. Surety, Lester H. Stock.
Limit, 30 days. Forfeit, none. Plans
and specifications filed.

FRAME FLATS

(3573) E EUREKA 26-6 S 19th. Three-
story and basement frame flats.
Owner.....P. Algot Nelson, 4333 19th,
San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME FLATS

(3574) S E EUREKA AND 19th. Three
story and basement frame flats.
Owner.....P. Algot Nelson, 4333 19th,
San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME DWELLING

(3575) W THORNTON 25 S Ceres. One
story and basement frame dwelling.
Owner.....James P. Kerrigan, 115
Thornton Ave., S. F.
Architect...None.
Contractor..Michel Jarvis, 203 Thorn-
ton Ave., San Francisco.
COST, \$1000

ADDITION

(3576) NO. 382 THIRTY-FIRST AVE.
Addition and alterations to dwelling.
Owner.....Mrs. J. F. Wilcox, 383 31st
Ave., San Francisco.
Architect...None.
Contractor..MacArthur Bros., 1560
Fell, San Francisco.
COST, \$1000

SHED

(3577) TERMINATION OF CAPP ST.
Erect wagon shed.
Owner.....North Star Brewing Co.,
3314 Army, San Francisco.
Architect...None.
Contractor..Jos. Holl, 161 Precita Ave.,
San Francisco.
COST, \$400

ALTERATIONS

(3578) SW BRANNAN AND GILBERT.
Raise and alter dwelling.
Owner.....Wm. P. Carroll, 771 Wal-
ler, San Francisco.
Architect...None.
Contractor..A. Lynch, 185 Stevenson,
San Francisco.
COST, \$950

FRAME RESIDENCE

(3579) W TWENTY-SIXTH AVE 40 S
Sea Cliff Ave. Two-story and base-
ment frame residence.
Owner.....Allen & Co., 125 Sutter,
San Francisco.
Architect...Architectural Department
Allen & Co., 125 Sutter,
San Francisco.
Contractor..Allen & Co., 28th Ave and
Lake, San Francisco.
COST, \$10,000

FRAME STORE AND FLATS

(3580) E VALENCIA 278 N 21st 25x
90. All work for three-story frame
store and flats.
Owner.....Frank De Vitt, 528 Hayes,
San Francisco.
Architect...None.
Contractor..John J. Binet Co., 68 Ra-
mona, San Francisco.
Filed Dec. 13 '16. Dated Nov. 9, '16.
Roof on and frame enclosed.....\$1150
Rough coat plaster on..... 1150
Finish coat plaster on and mill
work set..... 1150
Completed and accepted..... 1150
Usual 35 days..... 1600
TOTAL COST, \$6200
Bond, none. Limit, 90 days. Forfeit,
\$10. Plans and specifications filed.

GARAGE

(3581) NO. 2407 OCTAVIA. Build
garage, new front, etc.
Owner.....Wm. M. Abbott, 2105 Val-
lejo, San Francisco.
Architect...None.
Contractor..H. C. Matthies, 180 Jessie,
San Francisco.
COST, \$1500

REPAIRS

(3582) NO. 2561 BUSH. Repair fire
damage.
Owner.....Alex McKay, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(3583) NO. 68 MARKET. Alter front.
Owner.....Terminal Hotel, Premises.
Architect...None.
Contractor..A. Ratto, 232 Hartford,
San Francisco.
COST, \$400

ADDITIONS

(3584) NO. 685 LONDON. Add to and
alter dwelling.
Owner.....Adolph Offen, Premises.
Architect...None.
Contractor..Frank Danman, 643 Lon-
don, San Francisco.
COST, \$500

FRAME FLATS

(3585) E LILAC ALLEY 108-4 N 26th.
Two-story and basement frame (2)
flats.
Owner.....B. Sere, 2821 Greenwich,
San Francisco.
Architect...None.
Day's work. COST, \$2250

LIGHTING FIXTURES

(3586) CIVIC CENTER. Lighting fix-
tures for Central Emergency Hospital
Owner.....City and County of San
Francisco.
Architect...John Reid Jr., 1st Na-
tional Bank Bldg., S. F.
Contractor..J. W. Burchaell, 367 Ellis,
San Francisco.
COST, \$1875

FRAME BUILDING

(3587) E VALENCIA 210 S 18th. All
work for two-story frame building.
Owner.....Michael Maguire.
Architect...None.
Contractor..H. C. Keenan, 300 Webster,
San Francisco.
Filed Dec. 14, '16. Dated Dec. 12, '16.
Frame up\$1554
Brown coated 1554
Completed 1554
Usual 35 days..... 1554
TOTAL COST, \$6218
Bond, limit, forfeit, none. Plans and
specifications filed.

BRICK STORES

(3588) N MARKET 196-6 E Van Ness
Ave N 174-9 E 55 S 135-17% SW to
beg. All work for two-story brick
stores.
Owner.....Thomas A. Driscoll, Mills
Bldg., San Francisco.
Architect...None.
Contractor..James H. Hjul, 57 Post,
San Francisco.
Filed Dec. 14, '16. Dated Dec. 4, '16.
As building progresses.....
TOTAL COST, \$18,000
Bond, none. Limit, 60 days. Forfeit,
\$10. Plans and specifications filed.

FRAME DWELLING

(3589) W EIGHTEENTH AVE 100 N
Balboa N 25xW 120. All work for
two-story 6-room frame dwelling.
Owner.....James Welsh, 549 15th
Ave., San Francisco.
Architect...None.
Contractor..James Welsh & Co.
Filed Dec. 14, '16. Dated Dec. 14, '16.
Rafters on\$1000
Brown coated 1000
Completed 1000
Usual 35 days..... 1000
TOTAL COST, \$4000
Bond, none. Limit, 90 days from Oct.
2, 1916. Forfeit, none. Plans and spec-
ifications, none.

FRAME DWELLING

(3590) E EIGHTEENTH AVE 225 N
Balboa N 25xE 120. All work for
two-story 6-room frame dwelling.
Owner.....James Welsh, 549 15th
Ave., San Francisco.
Architect...None.
Contractor..James Welsh & Co.
Filed Dec. 14, '16. Dated Dec. 14, '16.
Rafters on\$1000
Brown coated 1000
Completed 1000
Usual 35 days..... 1000
TOTAL COST, \$4000
Bond, none. Limit, 90 days from Oct.
2, 1916. Forfeit, none. Plans and spec-
ifications, none.

FRAME DWELLING

(3591) W EIGHTEENTH AVE 100
N Balboa N 25xW 120. All work for
two-story 6-room frame dwelling.
Owner.....James Welsh, 549 15th
Ave., San Francisco.
Architect...None.
Contractor..James Welsh & Co.
Filed Dec. 14, '16. Dated Dec. 14, '16.
Rafters on\$1000
Brown coated 1000
Completed 1000
Usual 35 days..... 1000
TOTAL COST, \$4000
Bond, none. Limit, 90 days from Oct.
2, 1916. Forfeit, none. Plans and spec-
ifications, none.

ALTERATIONS
(3592) NO. 3531 TWENTIETH (rear).
Remodel flat for garage.
Owner.....George Fisher, Premises.
Architect.....None.
Day's work. COST, \$400

ALTERATIONS
(3593) NO. 80 CLAY. Alter fronts and
cement sidewalks.
Owner.....J. S. Everding, Premises.
Architect.....None.
Contractor.....W. G. Waddell, 80 Clay,
San Francisco. COST, \$950

FRAME APARTMENTS
(3594) SW MASON AND MALVINA.
Three-story and basement frame (12)
apartments.
Owner.....D. J. Clancy, 2884 Polson,
San Francisco.
Architect.....None.
Day's work. COST, \$15,000

HEATING APPARATUS
(3595) NE LAUREL AND JACKSON
E 40xN 127-8 1/2. All work for heating
apparatus for three-story and
basement frame residence and two-
story garage building.
Owner.....Frank B. King, Wells
Fargo Nevada Bank, S. F.
Architect.....Bakewell & Brown, 251
Kearny, San Francisco.
Contractor.....Scott Co., 243 Minna, S. F.
Filed Dec. 15, '16. Dated Dec. 13, '16.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$2345
Bond, \$1172.50. Surety, New Amsterdam
Casualty Co. Limit, 180 days. Forfeit,
\$5. Plans and specifications filed.

LEASE

SAN FRANCISCO COUNTY.

Dec. 13, 1916—S TWENTY-FOURTH 45
W Osage Alley W 12-6 m or 1 by S
100 also building on W Osage Alley
adj said premises.. Commercial
Center Realty Co to Gee She Ning.
15 years. \$9000.
Dec. 13, 1916—NO. 5451 GEARY. Thos
Scoble to J A Hammill and E B Mc-
Cormick (as Hammill & McCormick)
5 years. \$1500.
Dec. 11, 1916—SE McALLISTER AND
Octavia E 30xS 70. Gabriel A Ber-
ger and Elizabeth Tanlere, Exrs of
Estate Colombe M Berger, dec'd, to
Geo V Draeger. 3 years. \$2520 with
option to renew and option to pur-
chase SE McAllister and Octavia E
30 S 70 E 45 S 22-6 W 25 N 92-6.
Dec. 11, 1916—SE O'FARRELL AND
Hyde 23x33. Gerard Investment Co
to Chris Karsten. 5 years. \$6000.
Option to renew. Assigned Dec. 11,
1916, to Table Supply Market. Co-
partnership of Chris Karsten, Peter
Trimborn and Stephen Benstein.
Dec. 9, 1916—NW TWENTY-SIXTH &
Bryant N 65xW 100. B Barry to
Charles Block. 5 years. \$3300.

NOTICE OF NON-RESPONSIBILITY.

SAN FRANCISCO COUNTY.

Dec. 9, 1916—LOCATION NOT GIVEN.
Conrad Kisingal, Michael DeKeyser
and Harry Williams as to improve-
ments on leased property

Dec. 9, 1916—NE GEARY & TAYLOR.
Emilly Benedict as to improvements
on leased property

CESSATION OF LABOR.

SAN FRANCISCO COUNTY.

Dec. 12, 1916—S KIRKHAM 57-6 W
46th Ave W 25xS 100. Jos and
Martha Klebora with Peter M
Leonard. Work ceased..Nov. 7, 1916

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED **ACCEPTED**
Dec. 9, 1916—NW KEARNY AND
Sutter, Edwin W Joy to Braas &
Kuhn Co.....Dec. 7, 1916
Dec. 9, 1916—W TWENTY-FIFTH AV
132-4 S Anza S 25xW 120. Thomas
Hamill to whom it may concern.....Dec. 9, 1916
Dec. 9, 1916—N MISSION 46-6 E Beale
N 137-6xE 45. E A Howard to
Knowles & Mathewson.....Dec. 9, 1916
Dec. 9, 1916—SW SUMNER 75 SE
Howard SE 25xSW 58. Anna Budde
to John Westerlund.....Nov. 27, 1916
Dec. 9, 1916—E TENTH AVE 150 N
Clement N 50xE 120. Phillip Kohn
to J Koschnitzki.....Nov. 27, 1916
Dec. 9, 1916—N SUTER 160 E Fill-
more E 27-6xN 137-6. Anthony
Loschiavo to Higginson Co, Inc.....Dec. 9, 1916
Dec. 9, 1916—E THIRTY-SECOND AV
150 S Taraval S 25x120. Laura O
Treadwell to Jos Arnott & Son.....Dec. 9, 1916
Dec. 11, 1916—E TWENTY-EIGHTH
Ave 405 N California N 25xE 120.
Harry B and Laurence D Allen to
whom it may concern.....Dec. 2, 1916
Dec. 11, 1916—W FOLSOM 193 S 17th
W 122-6xS 150. Jean Allec to Sage
Watson.....Dec. 4, 1916
Dec. 11, 1916—S EDDY 37-6 E Hyde
E 25 S 87-6 W 25 N 87-6. Wm
Little to J B Westerlund.....Dec. 11, 1916
Dec. 11, 1916—NE ANZA AND 17 th
Ave N 25xE 90. Walter G Campbell
to Robert McLelland.....Dec. 11, 1916
Dec. 13, 1916—E ECKER 97-6 on Stev-
enson & 135 on Jessie, John Martin
to McGowan & Butler and D J and
T Sullivan.....Dec. 12, 1916
Dec. 12, 1916—COMG 200 E from NE
Laguna and Chestnut N 137-6xE 25.
M Martinelli to G Ferroni.....Dec. 12, 1916
Dec. 12, 1916—N SUTER 137-6 W
Mason. C T Ryland to Victor
Stanquist.....Dec. 11, 1916
Dec. 12, 1916—S GREEN 192-6 W
Stockton W 27-6 S 137-6 E 5-3 N
7-6 E 22-3 N 130. Valente, Marlin,
Perata & Co to Edward Zinkand &
Sons.....Dec. 12, 1916
Dec. 12, 1916—N SUTER 50 W Web-
ster W 24xN 75. John A Hoots to
whom it may concern.....Dec. 11, 1916
Dec. 12, 1916—E THIRD 125 N Town-
send N 150xE 160. Clinton Conner
Co of California to S W Band, Dec.
5; Rex Elec & Constr Co, Dec. 5;
Otis Elevator Co.....Dec. 5, 1916
Dec. 12, 1916—NW MISSION & MINT
25x55. San Francisco Remedial
Loan Association to H L Petersen,
Hogburg & Ludwig and Herman
Bosch.....Completed ———
Dec. 12, 1916—NW ARLINGTON 50
NE Mateo NE 25xNW 100 Lot 20

Henarics Sub Bk 9, Flint Tract
Charles G Bemis to whom it may
concern.....Dec. 8, 1916
Dec. 12, 1916—S FILBERT 162-6 E
Jones E 20xS 137-6. Vincent and
Rosa Canella to Carmella & Canepa
.....Dec. 11, 1916
Dec. 12, 1916—SE CASELLI AVE AND
Clover Lane 29-2x36. H C Chris-
tiansen to whom it may concern.....Dec. 12, 1916
Dec. 12, 1916—E SEVENTEENTH
Ave 173-11 N Clement N 50xE 120.
J Johnson to whom it may concern.....Dec. 12, 1916
Dec. 13, 1916—W CENTRAL AVE 25
N Grove N 97-6 W 80-5 m or 1 SW
97-11 m or 1 E 95-7 1/2 m or 1 John
V Campbell to whom it may con-
cern.....Dec. 13, 1916
Dec. 13, 1916—N BROADWAY 125 W
Bradrick N 137-6xW 55. Julia Del
Welch to C J Hillard Co Inc.....Dec. 12, 1916
Dec. 13, 1916—W LARKIN 112-6 N
Lombard — 87-6 N 25 E 87-6 S 25.
A Pedrini and Angelina and 1 Sic-
cardi to George C Todhunter.....Dec. 9, 1916
Dec. 14, 1916—NW NORTH POINT
and Larkin W 412-6 (412-6)xN 275.
D Ghlrardell Co to Van Emon
Elevator Co.....Dec. 12, 1916
Dec. 14, 1916—SW SECOND AND
Harrison 55x160. P A Palmer to
The Sibley Grading & Teaming Co
.....Dec. 11, 1916
Dec. 14, 1916—E VAN NESS AVE 71
S Bush S 22-8xE 59. Caroline H
Holladay to Schroder Bros.....Dec. 14, 1916
Dec. 14, 1916—W CASTRO & SPATES
N 25xW 100. Markus and Wm
Lehikoinen to whom it may con-
cern.....Dec. 12, 1916
Dec. 14, 1916—E PENNSYLVANIA 100
S 18th S 100xE 100. Union Iron
Works Co to Decker Elec Constr
Co.....Dec. 4, 1916
Dec. 14, 1916—E NINTH AVE 186 N
Lawton. Minnie A Hoffman to C A
Hall.....Dec. 10, 1916
Dec. 14, 1916—W HOWARD 60 S 20th
W 95 S 30 E 95 N to beg. Cath-
line C Bannan to Mager Bros.....Dec. 14, 1916
Dec. 15, 1916—SW PINE & PIERCE
Old Peoples' Home to William L
Terry. Nov. 23; Gilley Schmid Co.
.....Dec. 11, 1916
Dec. 15, 1916—LOT 3 and E 1/4 Lot
2 Bk 12 Crocker Amazon Tract.
Benjamin Fehemann to whom it
may concern.....Dec. 15, 1916
Dec. 15, 1916—E FIFTEENTH AVE
175 S Lincoln Way 75x127-6. Eliza-
beth C Durfee and Mary M Callan-
dan to H J Hansen.....Dec. 5, 1916
Dec. 15, 1916—LOT 22 Bk 16, Forest
Hill. Emil Gigg to W L Nagel,
Dec 1; Burham-Stanford Co.....Nov. 15, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED **AMOUNT**
Dec. 9, 1916—E BRYANT 57-3 1/2 N
Army N 30xE 75. N George Wein-
holz vs Jacob Witzelberger and
Amalia Kestler.....\$350
Dec. 9, 1916—N CLEMENT 55 W 15th
Ave W 25xN 104-2. F G Norman
vs A Melander.....\$119.60
Dec. 9, 1916—N SACRAMENTO 477-6

V. Van Ness Ave W 25x28N 127 3/4
A P Konkel vs Hemming Bros, Inc
and Theodora or Theodora E Newman
and F Newman.....\$224

Dec. 9, 1916—E BRYANT 57-3 1/2 N
Army N 30xE 75. M H Gneco vs
Amalia Kestler and J Witzelsberger
.....\$68.50

Dec. 11, 1916—S LOBOS 75 W Ply-
mouth Ave W 25xS 125. J H Kruse
vs Henry Fremy, Josephine Vaisse
and C Griffin.....\$281.44

Dec. 11, 1916—N SURREY 817.81 E
Swiss Ave E 25 N 80.19 W 25 S
80.19 Lot 34 Bk "B" Castro Street
Addition and Glen Park Terrace.
J H Kruse vs Clara Harris and Jas
Jesurson.....\$86.41

Dec. 11, 1916—W TWENTY-SECOND
Ave bet. "A" and "B" No. 531 22nd
Ave. Diekmann Hardwood Co vs
Michael Costello and Costello &
Peiris.....\$50.25

Dec. 11, 1916—E SEVENTEENTH AV
250 N Balboa 25x125. Dieckman
Hardwood Co vs Michael Costello
and Costello & Peiris.....\$96.03

Dec. 11, 1916—SW CALIFORNIA &
Davis W 87-6xS 137-6. Pacific Mfg
Co vs California Street Realty Co
and J H Hjul.....\$1432.66

Dec. 11, 1916—N EDDY 105 E Frank-
lin E 60xN 120. E J Montgomery
vs Adolph Nusbbaum.....\$110

Dec. 12, 1916—SW ELLIS AND HYDE
W 57-6xS 82-6. Thomas A Furlong,
\$559; H Mueller Mfg Co, \$810.87 vs
D & S Investment Co, or Douglas
Stearns Invest Co, W W Hayes and
J Looney.....\$625.12

Dec. 11, 1916—S GEARY 92-6 W
Powell W 45xS 137-6. Joost Bros
vs N L Josey and Regan Estate Co
Inc.....\$625.12

Dec. 13, 1916—SW ELLIS AND HYDE
W 57-6xS 82-6. H Mueller Mfg Co
vs D & S Invest Co, W W Hayes and
J Looney.....\$610.87

Dec. 13, 1916—SW ELLIS AND HYDE
W 57-6xS 82-6. The American
Rubber Mfg Co vs D & S Invest Co,
John Doe Douglas and John Doe
Stearns.....\$210

Dec. 13, 1916—E TENTH AVE 133-4
N Balboa N 33-4xE 120. J K Stewart
vs Robert McLelland and Frederick
Klopstock.....\$30

Dec. 13, 1916—N CLEMENT 55 W 15th
Ave W 25xN 104-3. J K Stewart
vs Andrew and Hilda Melander.....\$57

Dec. 13, 1916—SW ELLIS AND HYDE
W 57-6xS 82-6. George H Tay Co
vs D & S Invest Co, Wm W Hayes
and J Looney.....\$82.56

Dec. 13, 1916—SW GOLDEN GATE &
Pierce W 27-6xS 110. Gilley-
Schmid Co, Inc vs C H Waldmann
.....\$1041.70

Dec. 13, 1916—W SEVENTEENTH AV
121 S California S 25xW 120. Adolph
Meyer vs Mabel Freeman and Wm
Larson (as S F Bldg Co).....\$110.78

Dec. 13, 1916—SW ELLIS AND HYDE
W 57-6xS 82-6. Plant Rubber & Sup-
ply Co vs J Looney, D & S Invest Co
and W W Hayes.....\$30.03

Dec. 14, 1916—N ARMY 213 E San-
chez E 27xN 114. Thomas P Lor-
enzen vs Ellen and Michael Dono-
van.....\$300

Dec. 14, 1916—W RUSS & FOLSOM
SW 50xNW 100. M Bertolino (as
Pacific Concrete & Mosaic Works)
vs Henry C Hincken.....\$605.20

Dec. 14, 1916—S MAYNARD 250 E
Croat E 25xS 110. Mission Lumber

Co vs Ignatius & Cathie. A
Zabriskie and E Helms.....\$44.30

Dec. 14, 1916—SW EIGHTEENTH &
Vermont W 100xS 25. E Palazzi vs
P J Barish, J Harry Randall and
Anthony Christian.....\$19.50

Dec. 13, 1916—SW ELLIS AND HYDE
W 57-6xS 82-6. Rueter Bros vs
D & S Investment Co, W W Hayes
and J Looney.....\$275

California N 90-14xE 32-8. James
H Hardy Inc vs Graham Lumber Co,
Jos V De Ryana, J Goldstein and
H H Weider.....\$365.12

Dec. 15, 1916—S LOBOS 75 W Ply-
mouth Ave W 25xS 125 Bk "M" R
R Hd Ass'n. Moores-Bode Gravel
Co vs Henry Fremy, Josephine
Vaisse and Hugo Carlson.....\$19.25

OAKLAND AND ALAMEDA COUNTY.

STREET IMPROVEMENT—Cost not
stated. Berkeley, Alameda Co., Cal.
Engineer, City Engineer, Berkeley.
Owners, City of Berkeley. Bids will be
opened on December 26th for street im-
provements authorized under the fol-
lowing resolution: That Lincoln St.,
from Chestnut street, a distance of
372 feet, be graded; that concrete curbs
and gutters be constructed and that
the remainder of the roadway be mac-
adamized and surfaced with oil and
rock screenings; and that a concrete
storm culvert be constructed, and a 6-
inch, vitrified, ironstone pipe sewer be
constructed with two manholes.

STREET IMPROVEMENT—Cost as
follows. Berkeley, Alameda Co., Cal.
Engineer, City Engineer, Berkeley.
Owners, City of Berkeley. The City
Council has awarded a contract to the
Clark & Henry Construction Co., Ochs-
ner Bldg., Sacramento, Cal., for the im-
provement of the eastern half of San
Pablo avenue, from the north city line
to the south city line, for the sum of
\$58,035.55, by grading, constructing
concrete curbs and gutters, a vitrified
pipe storm sewer, one manhole, rein-
forced concrete catch basins, vitrified
pipe connections with the storm sewer
and the remainder of the roadway be
paved with asphaltic wearing surface 2
inches thick laid on a concrete founda-
tion 6 inches thick.

RESIDENCE—1 story and base,
frame, \$4,000. Oakland, Cal. Archi-
tects, Schirmer, Bugbee & Co., Dalziel
Bldg., Oakland. Owner, J. Gallano. Loca-
tion, Warfield avenue. Will contain
seven rooms, bath and sleeping porch.
Plans being prepared.

RESIDENCE—1 story and base,
frame, \$1,500. Albany, Alameda Co.,
Cal. Architect, none. Owner, A. H.
Pallen. 686 61st street, Oakland. Loca-
tion, Santa Fe avenue south Solano.
Will contain five rooms and bath.
Plans complete and work to be done by
Day Labor.

RESIDENCE—1 story and base,
frame, \$1,500. Oakland, Cal. Architect,
none. Owner, J. A. Leithmann. 3418
Champion street, Oakland. Location,
west Champion north Montana. Will
contain five rooms and bath. Plans
complete and work to be done by Day
Labor.

RESIDENCE—2 story and base,
frame, \$2,500. Oakland, Cal. Architect,
none. Owner, Harry Schwalm. 721
Main street, Hayward. Location, south
Annerly Road east Harvard. Will con-
tain six rooms, bath and sleeping porch.

Plans complete and work to be done
by Day Labor.

RESIDENCE—1 story and base,
frame, \$2,000. Oakland, Cal. Architect,
none. Owner, P. S. Walsh. 495 Rich
street, Oakland. Location, east Shafter
avenue north 42nd street. Will contain
five rooms, bath and sleeping porch.
Plans complete and work to be done by
Day Labor.

RESIDENCE—1 story and base,
frame, \$2,000. Oakland, Cal. Architect,
none. Owner, Charles D. Hart. 615 22nd
street, Oakland. Location, west Jean
south Monte Vista. Will contain five
rooms, bath and sleeping porch. Plans
complete and work to be done by Day
Labor.

RESIDENCE—1 story and base,
frame, \$2,000. Oakland, Cal. Archi-
tect, none. Owner, P. S. Walsh. 495
Rich street, Oakland. Location, east
Shafter north 42nd street. Will con-
tain five rooms, bath and sleeping
porch. Plans complete and work to be
done by Day Labor.

RESIDENCE—1 story and base,
frame, \$3,000. Berkeley, Alameda Co.,
Cal. Architect, none. Owner, C. E.
Sinclair, Y. M. C. A. Bldg., Berkeley.
Location, east Fresno south Solano
street. Will contain six rooms, bath
and sleeping porch. Plans complete
and work to be done by Day Labor.

RESIDENCE—1 story and base,
frame, \$2,000. Oakland, Cal. Architect,
none. Owner, M. A. Colt. 1023 Wash-
ington street, Oakland. Location, north
Scenic avenue west Laguna. Will con-
tain six rooms, bath and sleeping porch.
Plans complete and work to be done by
Day Labor.

RESIDENCE—1 1/2 story and base,
frame, \$2,000. Oakland, Cal. Architect,
none. Owner, R. C. Hillen. 430 Haight
street, Alameda. Location, north Ar-
kansas east Curran avenue. Will con-
tain five rooms, bath and sleeping
porch. Plans complete and work to be
done by Day Labor.

APARTMENT HOUSE—3 story and
base. Class C construction. Cost not
stated. Oakland, Cal. Architects,
Richardson & Burrell, Albany Bldg.,
Oakland. Owners, Sommarstrom Bros.
Location, 22nd and Broadway. Will
contain stores on the first and a large
number of two and three room suites
on the upper floors. Plans complete
and segregated figures being taken by
the owners.

FLATS—2 story and base, frame,
\$4,000. Berkeley, Alameda Co., Cal.
Architect, none. Owner, Emma J. Dor-
min. 117 Liberty street, S. F. Loca-
tion, west Josephine north Vine. Will
contain two flats of five and six rooms.
Plans complete and work to be done by
Day Labor.

GARAGE—2 story and base, brick,
\$5,000. Berkeley, Alameda Co., Cal.
Architect, F. Holberg Reimers, Acheson
Bldg., Berkeley. Owner, A. M.
Harvey. Location, Solano and Colusa
streets. Will contain garage on the
first floor and a public hall on the up-
per floor. Plans are being prepared.

STORES—1 story and base, frame,
\$3,600. Berkeley, Alameda Co., Cal.
Architect, Eugene K. Martin. 2192 Shat-
tuck avenue Berkeley. Owner, F. C.
Curry. 2745 Elmwood avenue, Berkeley.
Location, College avenue north Ashby.
Will contain three small stores. Plans
complete and figures being taken by
the owner.

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're **loafing**.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not **FOUR WHEEL DRIVE.**

On the F-W-D Truck every wheel is a **Driving Wheel.** The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

“Every Owner a Booster”

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Am't.
2861	Wm. Mead	Owner	1100
2862	Leithmann	Owner	1400
2863	Schwalm	Schwalm	2500
2864	Klehn	Klehn	400
2865	Dabney	Booth	22500
2866	Hart	Hart	2000
367	Rostschmidt	Dean	2500
2869	Dante	City Cornice	654
2870	Piedmt Lmbr	Owner	500
2872	M E Church Soc.	Rowe	29700
373	Esplasse	Knight	5700
2874	Davis	Johnson	400
2875	Colt	Colt	2000
2876	Hillen	Hillen	2000
2877	Rollar	Stewart	3000
2880	Meese	Thompson	425
2881	Wells	Bane	3000
2882	Preston	Leard	400
2883	Walsh	Walsh	1600
2884	Atlas Eng.	Christensen	20000
2885	Block	Allen	3500
2886	Fraitt	Fraitt	4500
2887	Lunsdon	St. Mary	400
2888	Archer	Martin	1850
2894	Kraft	Farris	600
2895	Mae Sang	Duval	450
2896	Federal Rly	Duval	8000
2897	Federal Drug	Duval	2000
2898	Ala Co.	Thornally	104890
2901	Davis	Davis	1200
2905	Way	Way	400
2906	Granville	Granville	3000
2907	MacGregor	MacGregor	4700
2908	Same	Same	4500
2909	Same	Same	4950
2910	Same	Same	4900
2911	Harmon	Lydicksen	2400
2912	Pinkston	Lydicksen	500
2913	Houdlette	Kellogg	2500

ALTERATIONS

(2861) NO. 369 SECOND, Oakland.
Erect shed and alter present building.
Owner.....Western Meat Co., Prem.
Architect.....None.
Day's work.....
COST, \$1100

DWELLING

(2863) S ANNERBY ROAD 150 E
Harvard Road, Oakland. Two-story
6-room dwelling.
Owner.....Harry Schwalm, 721 Main,
Hayward.
Architect.....None.
Day's work.....
COST, \$3500

ALTERATIONS

(2864) NO. 515 APGAR, Oakland.
Alterations.
Owner.....Klehn Co.
Architect.....None.
Contractor.....C. F. Klehn, Premises.
COST, \$400

BRICK APARTMENTS

(2865) SE TENTH AND OAK, Oakland
All work for three-story and base-
ment brick veneer apartments.
Owner.....Mrs. Lina Dabney, 2730
Webster, Berkeley.
Architect.....Sidney B. and Noble New-
son, Nevada Bank Bldg.,
San Francisco.
Contractor.....J. M. Booth, 2730 Webster,
Berkeley.
Filed Dec. 9, 16. Dated Nov. 28, '16.
As work progresses..... 75%
40 days after..... 25%
TOTAL COST, \$22,500
Bond, none. Limit, \$50 days from Nov.
28. Forfeit, \$10. Plans and specifica-
tions filed.

DWELLING

(2866) W JEAN 120 S Monte Vista
Ave., Oakland. One-story 5-room
dwelling.
Owner.....Chas. D. Hart, 615 22nd,
Oakland.
Architect.....None.
Day's work.....
COST, \$2000

DWELLING

(2867) NE FIFTY-SIXTH & Genoa,
Oakland. One-story 6-room dwlg.
Owner.....L. L. Rostschmidt.
Architect.....None.
Contractor.....C. M. Dean, 512 13th, Okd.
COST, \$2500

CONCRETE MARKET

(2869) NE SECOND AND HARRISON
75x150, Oakland. Sheet metal work
for one-story reinforced concrete
market.
Owner.....Dante Market Co., Inc.,
Oakland.
Architect.....Chas. W. McCall, Central
Bank Bldg., Oakland.
Contractor.....City Cornice Co., Inc., 3119
San Pablo Ave., Oakland.
Filed Dec. 9, '16. Dated Dec. 8, '16.
75% completed.....\$290
Completed and accepted..... 200
Usual 35 days..... 164
TOTAL COST, \$654
Bond, none. Limit, 20 days. Forfeit,
none. Plans and specifications filed.

ADDITION

(2870) NO. 351 FORTIETH, Oakland.
Addition.
Owner.....Piedmont Lumber Co., 351
40th, Oakland.
Architect.....None.
Day's work.....
COST, \$500

CHURCH

(2872) NW COR THIRTY-SEVENTH
and Telegraph Ave W 170 N 150 E 60
S 50 E 110 S 100, Okd. All work for
two-story brick veneer church.
Owner.....The Board of Church Ex-
tension M. E. Church South
Architect.....None.
Contractor.....A. M. Rowe, 519 Manila
Ave., Oakland.
Filed Dec. 11, '16. Dated Dec. 12, '16.
Foundation completed.....\$1500
Ready for roof..... 4200
Roof completed..... 4200
Brown coated..... 4950
Brock work completed..... 4950
Completed and accepted..... 4900
Usual 35 days..... 5000
TOTAL COST, \$29,700
Bond, \$15,000. Surety, Massachusetts
Bonding & Insurance Co. Limit, 180
days. Forfeit, \$10. Plans and speci-
fications filed.

FRAME STORES AND ROOMS

(2873) LOT 1 BLK 16 Electric Loop
Tract, Oakland. All work for two-
story frame stores and rooms.
Owner.....John Esplasse, Fresno.
Architect.....C. H. Miller 1st Savings
Bank Bldg., Oakland.
Contractor.....Harry C. Knight, 1601
Telegraph Ave., Oakland.
Filed Dec. 11, '16. Dated Nov. 29, '16.
Payments made by Oakland Title
Insurance & Guarantee Co.:
Ready for roof.....\$ 910
Ready for plaster..... 1000
Completed and accepted..... 1500
Usual 35 days..... 500
Payments made by owner:
1st floors joists laid..... 500
Completed and accepted..... 790
Usual 35 days..... 500
TOTAL COST, \$5700
Bond, none. Limit, 90 days from Dec.
4. Forfeit, none. Plans and specifica-
tions filed.

OIL BURNER

(2874) NO. 541 SEVENTEENTH, Oak-
land. Oil burner.

RESIDENCE—2 story and base,
frame, \$5,000. Oakland, Cal. Archi-
tect, A. W. Pattiani, Merchants' Na-
tional Bank Bldg., S. F. Owner,
Harriet H. Coe. Location, east Euclid
avenue north Van Buren. Will con-
tain eight rooms, two baths and sleep-
ing porch. Plans complete and con-
tract to be let shortly.

RESIDENCE—1½ story and base,
frame, \$3,000. Piedmont, Alameda Co.,
Cal. Architect, none. Owner, James I.
Glanville, 4231 18th street, S. F. Lo-
cation, Lakewood Park. Will contain
six rooms, bath and sleeping porch.
Plans complete and work to be done
by Day Labor.

RESIDENCE—2 story and base,
frame. Cost not stated. Berkeley, Ala-
meda Co., Cal. Architects, Wright &
Rushforth, 354 Pine street, S. F. Own-
er, G. A. Mattern. Location, 2825 Hille-
gas avenue. Will contain eight rooms,
two baths and sleeping porch. Plans
complete and work being figured.

RESIDENCE—1 story and base,
frame, \$1,500. Berkeley, Alameda Co.,
Cal. Architect, none. Owner, J. W.
Davis, 1641 Allston Way, Berkeley.
Location, Bancroft and McGee. Will
contain five rooms and bath. Plans
complete and work to be done by Day
Labor.

CHURCH—2 story and base, steel
and frame, \$30,000. Oakland, Cal. Ar-
chitect, Eugene K. Martin, 2192 Sha-
tuck avenue, Berkeley. Owners, Lu-
theran Church. Location, 61st and
Canning. Will contain main auditor-
ium, Sunday school rooms, pastor's
study and social halls. Plans being
prepared.

GARAGE—1 story, frame. Cost not
stated. Oakland, Cal. Architects, Mer-
rill and J. C. Newsom, 1748 Broadway,
Oakland. Owner, R. Mott. Location,
east 14th street. Designed for a com-
mercial garage. Plans being prepared.

LAYING WATER PIPE—San Lean-
dro, Alameda Co., Cal. Engineer, City
Engineer, San Leandro. Owners, City
of San Leandro, Manning Bros. and
Teffelmier of San Leandro, Cal., want
sub bids for excavating for five miles
of trenches, laying of five miles of 20-
inch water pipe and caking of same.

Contract Awarded.

SEWER CONSTRUCTION—Cost not
stated. Oakland, Cal. Engineer, City
Engineer, Oakland. Owners, City of
Oakland. The City Council has award-
ed a contract to M. P. Cambar, 1044
91st avenue, Oakland, for the follow-
ing work: That a vitrified pipe sewer,
having an internal diameter of 8
inches, be constructed along Maybelle
avenue, between points distant there-
on respectively 525.5 feet and 825.5 feet
northeast from the northeast line of
Bayo street; also that a vitrified pipe
manhole with a top of brick and cast
iron be constructed at the northeast
end of said sewer; also that Y
branches, each having a 5-inch opening,
be constructed on said sewer so as to
provide one such branch for each 40-
foot lot and fractional lot remaining
into which the abutting property front-
age is capable of being divided.

SCHOOLS—3, 1 story, frame, \$2,095.
Oakland, Cal. Architect, none. Owners,
City of Oakland. Contractor, John R.
Paulkes, 9828 East 14th street, Oakland.
The buildings are of the portable type
and will each contain one class room.

Owner.....Davis Estate, Premises.
Architect...None.
Contractor...S. T. Johnson Co., 940 Ad-
lington Ave., Oakland.
COST, \$400

DWELLING

(2875) N SCENIC AVE 280 W La-
guna Ave., Oakland. One-story 6-
room dwelling.
Owner.....M. A. Willson Colt, 1028
Washington, Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(2876) N ARKANSAS 115 E Curran
Ave., Oakland. One and one-half-
story 5-room dwelling.
Owner.....R. C. Hillen, 430 Haight
Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING

(2877) S LAKESHORE AVE 450 E
Walla Vista Ave., Oakland. Two-
story 6-room dwelling.
Owner.....C. D. Rollar, 484 13th,
Oakland.
Architect...None.
Contractor...E. A. Stewart, 8 Fairview
Ave., Piedmont.
COST, \$3000

GARAGE

(2880) NW THIRTIETH AND TELE-
graph Ave., Oakland. Garage.
Owner.....Constant Meese, 3007 Tele-
graph Ave., Oakland.
Architect...None.
Contractor...E. S. Thompson & Son, 3650
Broadway, Oakland.
COST, \$425

DWELLING

(2881) ACACIA AND OCEAN VIEW
Drive, Oakland. One-story 5-room
dwelling.
Owner.....C. B. Wells, Premises.
Architect...Julia Morgan, Merchants'
Exchange Bldg., S. F.
Contractor...J. L. Bane, 5542 Taft Ave.,
Oakland.
COST, \$3000

ALTERATIONS

(2882) NO. 694 THIRTY-SIXTH, Oak-
land. Alterations.
Owner.....Mrs. H. A. Preston, Hay-
wards, Cal.
Architect...None.
Contractor...I. L. Leard, Hayward.
COST, \$400

DWELLING

(2883) E SHAFER AVE 251 N 42nd,
Oakland. One-story 5-room dwlg.
Owner.....P. S. Walsh, 495 Rich, Okd.
Architect...None.
Day's work. COST, \$1600

MACHINE SHOP

(2884) FOOT TWENTY-SECOND AVE.
Oakland. One-story machine shop.
Owner.....Atlas Imperial Engine Co.,
Premises.
Architect...None.
Contractor...Christensen Bros., 237
Wayne Ave., Oakland.
COST, \$20,000

BRICK STORE

(2885) N TWELFTH 100 N Castro,
Oakland. One-story brick store.

Owner....Roy Block, Manassus-
Block Tanning Co., 4th St.,
near Ghilman, Berkeley.
Architect...None.
Contractor...L. W. Allen, 5521 Marshall,
Oakland.
COST, \$3500

DWELLING

(2886) S ROCK RIDGE BLVD 600 E
Broadway, Oakland. Two-story 7-
room dwelling.
Owner.....H. S. Pratt, 1015 Glendora
Ave., Oakland.
Architect...None.
Day's work. COST, \$4500

ADDITION

(2887) S OLIVE 150 E 96th Ave., Oak-
land. Addition.
Owner.....A. Lunsden 9623 Olive,
Oakland.
Architect...None.
Contractor...Joe St. Mary, 2220 Auseon
Ave., Oakland.
COST, \$400

DWELLING

(2888) NW GENOA AND ARLINGTON
Ave., Oakland. One and one-half-
story 6-room dwelling.
Owner.....E. A. Archer, 613 63rd, Okd
Architect...None.
Contractor...J. H. Martin, 683 Fair-
view, Oakland.
COST, \$1850

GARAGE

(2894) NO. 476 GRAND AVE., Oak-
land. Garage.
Owner.....Mrs. Bertha Kraft, Prem.
Architect...None.
Contractor...W. A. Farris, 16 Monte
Vista Ave., Oakland.
COST, \$600

ALTERATIONS

(2895) NO. 387 NINTH, Oakland.
Alterations.
Owner.....Maa Sang Co., 371 9th, Okd
Architect...None.
Day's work. COST, \$450

ALTERATIONS

(2896) GORE BROADWAY AND TELE-
graph Ave., Oakland. Alter first floor
of 15-story Class "A" office building.
Owner.....Federal Realty Co.
Architect...None.
Contractor...Oliver Duval & Son, Dal-
ziel Bldg., Oakland.
COST, \$8000

ALTERATIONS

(2897) GORE BROADWAY & TELE-
graph Ave., Oakland. Alter base-
ment of 15-story Class "A" office
building.
Owner.....Federal Drug Co., Prem.
Architect...None.
Contractor...Oliver Duval & San, Dal-
ziel Bldg., Oakland.
COST, \$22,000

HOSPITAL

(2898) ALAMEDA COUNTY TUBER-
cular Hospital near Livermore. All
work for frame and concrete hospital
cottages.
Owner.....Alameda County.
Architect...Henry H. Meyers, Kohl
Bldg., San Francisco.
Contractor...W. G. Thornally, 3027 E-
16th, Oakland.
COST, \$104,690

TRAM S HOOLS
(2900) OAKLAND. Three portable
frame schools.
Owner.....Oakland Board of Educa-
tion.
Architect...None.
Contractor...John R. Faulkes, 9828 E-
14th, Oakland.
COST, \$2095

DWELLING

(2902) — SANTA FE AVE 250 S So-
lano, Albany. One-story 5-room dwlg.
Owner.....A. H. Pallen, 686 61st, Okd
Architect...None.
Day's work. COST, \$1500

ALTERATIONS

(2905) E STANAGE 200 N Main, Alb-
any. Alterations.
Owner.....D. C. Way, 818 Cornell
Ave., Albany.
Architect...None.
Day's work. COST, \$400

BUNGALOW

(2906) LOT 45 BLK "F" Lakewood
Park, Piedmont. One and one-half-
story bungalow.
Owner.....Jas. J. Granville, 4231 18th,
San Francisco.
Architect...None.
Day's work. COST, \$3000

DWELLING AND GARAGE

(2907) S MOUNTAIN AVE — W Dor-
madero, Piedmont. Two-story 8-room
dwelling and garage.
Owner.....C. M. MacGregor, 470 13th,
Oakland.
Architect...None.
Day's work. COST, \$4600

DWELLING AND GARAGE

(2908) S MOUNTAIN AVE 56 W Dor-
madero, Piedmont. Two-story 8-room
dwelling and garage.
Owner.....C. M. MacGregor, 470 13th,
Oakland.
Architect...None.
Day's work. COST, \$4750

DWELLING AND GARAGE

(2909) S MOUNTAIN AVE 121 W Dor-
madero, Piedmont. Two-story 8-room
dwelling and garage.
Owner.....C. M. MacGregor, 470 13th,
Oakland.
Architect...None.
Day's work. COST, \$4950

DWELLING AND GARAGE

(2910) S MOUNTAIN AVE 186 W Dor-
madero, Piedmont. Two-story 8-room
dwelling and garage.
Owner.....C. M. MacGregor, 470 13th,
Oakland.
Architect...None.
Day's work. COST, \$4900

DWELLING

(2911) W DERBY AVE 105 N E-12th,
Oakland. One-story 6-room dwlg.
Owner.....A. K. P. Harmon Jr., 1842
12th Ave., Oakland.
Architect...None.
Contractor...Geo. Lydiksen, 1244 29th
Ave., Oakland.
COST, \$2400

ALTERATIONS

(2912) NO. 2932 E SIXTEENTH, Oak-
land. Alterations.
Owner.....Mrs. H. Plinkstan, Prem.
Architect...None.

Contractor, Geo. Lydickson, 1214 29th Ave., Oakland.

COST, \$500

DWELLING

(2913) E THORNHILL ROAD 1/2 mile N Moraga, Oakland. One-story 6-room dwelling.

Owner.....Leslie Houdlette, Realty Syndicate Bldg., Oakland.

Architect...None.

Contractor...A. Ariel Kellogg, 4246 Redding, Oakland.

COST, \$2500

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2868	Metzler.....	Ahnfeld	3800
2871	Sinclair.....	Sinclair	2000
2878	Cuccia.....	Paulson	1300
2879	Meyers.....	Griffin	800
2889	Heywood.....	Texdahl	400
2890	Johnson.....	Buskirk	400
2892	Dornin.....	Dornin	4000
2893	St. John's Ch.....	Buskirk	3700
2902	Fallen.....	Fallen	1500
2905	Reid.....	Rodger	400
2904	Mason.....	McDuffie	500

FRAME DWELLINGS

(2868) W CALIFORNIA, bet. Lincoln and Cedar, Berkeley. All work for two one-story 5-room frame dwlg.

Owner.....O. Metzler, 1605 McGee, Berkeley.

Architect...None.

Contractor...Henry Ahnfeld, 3005 Harper, Berkeley.

Filed Dec. 9, '16. Dated Nov. 11, '16.

Frames up..... 1/4

Brown coated..... 1/4

Completed and accepted..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$3800

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications, none.

NOTE:—Already received 2 payments Nov. 24 and Dec. 8.

DWELLING

(2871) E FRESNO 200 S Solano, Berkeley. One-story 6-room dwelling.

Owner.....C. E. Sinclair, Y. M. C. A. Berkeley.

Architect...None.

Day's work..... COST, \$3000

DWELLING

(2878) E NINTH 217 N Snyder, Berkeley. One-story 5-room dwelling.

Owner.....S. Cuccia, Care S. F. Sulphur Co., Berkeley.

Architect...None.

Contractor...Paulson & Marini, Care S. F. Sulphur Co., Berkeley.

COST, \$1300

SHED

(2879) NO. 2126 DWIGHT WAY, Berkeley. Shed.

Owner.....T. Meyers, Premises.

Architect...None.

Contractor...C. M. Griffin, 746 5th Ave., Oakland.

COST, \$800

GARAGE

(2889) NO. 2815 MCGEE AVE., Berkeley. Garage.

Owner.....W. Heywood, Agent, Okd.

Architect...None.

Contractor...C. Texdahl, 3035 Harper, Berkeley.

COST, \$400

GLAZING

(2890) NO. 2410 WARRING, Berkeley.

Glazing porch.

Owner.....Mrs. S. S. Johnson, Prem.

Architect...None.

Contractor...J. W. Buskirk, 3215 35th Ave., Oakland.

COST \$400

FLATS

(2892) W JOSEPHINE 100 N Vine, Berkeley. Two-story 10-room flats.

Owner.....Emma J. Dornin, 117 Liberty, San Francisco.

Architect...None.

Day's work..... COST, \$4000

ADDITION

(2893) E BENVENUE bet. Parker and Derby, Berkeley. All work for two-story frame addition to church.

Owner.....St. John's Presbyterian Church.

Architect...Julia Morgan, Merchants' Exchange Bldg., S. F.

Contractor...J. W. Buskirk, 3215 35th Ave., Oakland.

Filed Dec. 13, '16. Dated.....

Frame up..... 1/4

All interior work except painting and plumbing fixtures completed..... 1/4

Completed and accepted..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$3700

Bond, \$4350. Sureties, Emma A. Johnson and C. A. Tucker. Limit, 90 days from Dec. 4. Forfeit, none. Plans and specifications filed.

DWELLING

(2901) BANCROFT and MCGEE, Berkeley. One-story 5-room dwelling.

Owner.....J. W. Davis, 1631 Allston

Way, Berkeley.

Architect...None.

Day's work..... COST, \$1200

ADDITION

(2903) NO. 3012 HARPER, Berkeley.

Addition.

Owner.....Dr. Reid.

Architect...None.

Contractor...A. R. Rodger, 818 33rd, Oakland.

COST, \$400

(2904) NOS. 2107-11 ADDISON, Berkeley. Alterations.

Owner.....Mason-McDuffie Co., Shattuck and Addison, Berkeley

Architect...None.

Day's work..... COST, \$500

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2891	Volberg.....	Kellogg	600
2900	Oakland.....	Faulkes	2095

ALTERATIONS

(2891) NO. 1515 WEBSTER, Alameda.

Alterations.

Owner.....C. C. Volberg, 645 Santa

Clara Ave., Alameda.

Architect...None.

Contractor...Kellogg & Rogers, 810 Taylor Ave., Alameda.

COST, \$600

HEATING SYSTEM

(2899) BAY AND SANTA CLARA AVE Alameda. Heating system in Mastick School.

Owner.....City of Alameda.

Architect...None.

Contractor...Robert Dalziel Jr., 218 1st, San Francisco.

COST, \$715

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

Dec. 14, 1916—LOT 7 BLK 6 Map Thousand Oaks Station Tract, Oakland Tp. Thousand Oaks Land Co

as to improvements on leased property.....

Dec. 8, 1916—SE NINTH & FRANKLIN S 100 E 100 N 32 W 25 N 68 W 75, Okd. Julia M. Kate and Hannah

E Donohue as to improvements on leased property.....

Dec. 11, 1916—W FIFTH AVE AND S E-15th W 150xS 100, Okd. Hiram T Hall as to improvements on

leased property.....

COMPLETION NOTICES

ALAMEDA COUNTY.

RECORDED ACCEPTED

Dec. 11, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James Moffitt Estate Co to U S Metal Products Co.....Dec. 8, 1916

Dec. 12, 1916—LOT 13 BLK 8 Resbdvn Blk 8 of that part Rock Ridge Terrace filed March 16, 1911, Okd. Blake Bros Co to whom it

may concern.....Dec. 11, 1916

Dec. 13, 1916—LOT 20 BLK "C" Sheet No. 1, Lakewood Park, Okd. Harriet H Braund to F N Strang.....Dec. 13, 1916

Dec. 13, 1916—SW COR E-THIRTY-fourth and 13th Ave, Okd. Anna Jordan to F N Fabing.....Dec. 12, 1916

Dec. 13, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James Moffitt Estate Co to Carl T Doell.....Dec. 9, 1916

Dec. 14, 1916—LOT 195 Map Crocker Highlands, Okd. R H Banning and Jas E Stewart to whom it may

concern.....Dec. 11, 1916

Dec. 14, 1916—LOT 185 Map Crocker Highlands, Okd. R H Banning and Jas E Stewart to whom it may

concern.....Dec. 11, 1916

Dec. 14, 1916—LOT 7 and E 25 Lot 6 Highland Court, Piedmont. R H Banning and Jas E Stewart to

whom it may concern.....Dec. 8, 1916

Dec. 14, 1916—NW FIFTEENTH AND Clay W 100xN 163-9, Okd. The Chas Jurgens Co to Wm J Baccus

.....Dec. 11, 1916

Dec. 15, 1916—SW TWENTY-THIRD and Webster S 75xW 90, Okd. J R O'Donnell (owner was Piedmont Bldg Ass'n assigned to O'Donnell

Sept. 22, 1916) to Joseph Neal.....Dec. 14, 1916

LIENS FILED

ALAMEDA COUNTY.

RECORDED AMOUNT

Dec. 11, 1916—E EIGHTH AVE 75 S 24th, being NO. 2340, Oakland. James W Forbes vs N Blomgren.\$50

Dec. 12, 1916—SW E-FOURTEENTH and 20th Ave W 25xS 140, Okd. Spott Bros vs P A Erion, C Chubb and B A Stewart.....\$45.41

Dec. 13, 1916—LOT 11 AND S 110 Lot 12 Blk 14 Map Lakeside Sbdvn Adams Point Ppty, Okd. W E

Whalin vs N H Chamberlain.....\$745.50

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE—1 story and base, frame, \$3,000. Burlingame, San Mateo Co., Cal. Architect, Thomas Edwards, Bank Bldg., Burlingame. Owner's name not given. Will contain six rooms, bath and sleeping porch. Plans being prepared.

RESIDENCE—2 story and base, frame, \$25,000. Los Altos, Santa Clara Co., Cal. Architect, J. R. Miller, Lick Bldg., S. F. Owner, Mr. Herzstein, Designed for a country house and will contain fourteen rooms, several baths and sleeping porches. Separate garage and out buildings. Plans being prepared.

ROAD CONSTRUCTION—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. At the last meeting of the County Supervisors it was ordered that the County Engineer be instructed to prepare plans and specifications for the grading of the new summit road in the Second Township.

Contract Awarded.

HIGHWAY CONSTRUCTION—\$5,076. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, E. M. Chadbourne, 502 Market St., S. F. Contract price, \$5,076.

CULVERTS—Reinforced concrete, \$1,469.50. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, A. Mattson, Chapman street, South San Francisco. Contract price, \$1,469.50.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME COTTAGE

GIFFORD ADDITION near Delmas Ave., San Jose. All work for one-story frame cottage.

Owner.....Janie R. Cameron.
Architect...F. D. Wolfe, Bank of Italy Bldg., San Jose.

Contractor...C. F. Keesling, Coe Ave., San Jose.

Filed Dec. 9, '16. Dated Dec. 4, '16.
Frame up\$500
Plastering done500
Accepted500
Usual 35 days.....500

TOTAL COST, \$2,000

Bond, \$1000. Sureties, E. E. and H. G. Kessling. Limit, 50 days after filing. Forfeit, none. Plans and specifications filed.

LIENS FILED

SANTA CLARA COUNTY.

RECORDED **AMOUNT**
Dec. 6, 1916—PIERCE ROAD. J C
Tippett vs C A Gibson.....\$157.30

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED **ACCEPTED**
Dec. 7, 1916—UNIVERSITY AND
Bryant, Palo Alto. Gertrude M
Gardiner to Steve Anderson.....
.....Dec. 4, 1916
Dec. 8, 1916—STANFORD CAMPUS.
Stanford University to W A Goer-

icke.....Nov. 29, 1916
Dec. 12, 1916—LIGSTON & SANTA
Clara, San Jose. Bank of Italy to
Morrison Bros.....Nov. 20, 1916

BUILDING CONTRACTS

SAN MATEO COUNTY.

HEATING SYSTEM

LOTS 1, 2, 3, 12, 13, 14 BLK 5, Burlingame Hills, Burlingame. All work for hot water house heating system for two-story residence.

Owner.....Mrs. Eleanor S. Christenson, San Francisco.

Architect...Charles E. Gottschalk, Phelan Bldg., S. F.

Contractor...Modern Appliance Co., 128

Sutter, San Francisco.

Filed Dec. 6, '16. Dated Dec. 5, '16.

On 1st of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$1475

Bond, \$738. Sureties, J. W. Fitting and

W. A. McLeod. Limit, 50 days. Forfeit,

none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED **ACCEPTED**

Dec. 6, 1916—LOTS 1, 2, 3 AND 12, 13

14, Burlingame Hills, Burlingame.

Mrs. Edwin A. Christenson to J

Pasqualetti.....Dec. 4, 1916

LIENS FILED

SAN MATEO COUNTY.

RECORDED **AMOUNT**

Dec. 11, 1916—POPLAR AVE & ELMI

St, San Mateo. Wisnom Bonner

Hardware Co, \$119.32; Loop-Wisnom

Lumber Co, \$107.60 vs Arnold

& Morey and Grace E and R R

Sibley

RELEASE OF LIENS

SAN MATEO COUNTY.

RECORDED **AMOUNT**

Dec. 14, 1916—LOTS 43 AND 50 Polhe-

mus Tet, Atherton. American Ra-

dicator Co to Rose E and James G

Sharp and W T Casey.....\$136.70

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

STREET IMPROVEMENT—Cost not

stated. Richmond, Contra Costa Co.,

Cal. Engineer, City Engineer, Rich-

mond. Owners, City of Richmond. Bids

will be opened on December 26th for

street improvements authorized under

the following resolution: That a por-

tion of 25th street, formerly Nadeau

street, and 26th street, formerly Du-

mont street, and 28th street, formerly

Sobranite street, in the Fifth Addition,

be improved by paving with Richmond

Standard Macadam, consisting of

broken stone and of asphaltum having

a penetration of from 125 degrees to

140 degrees. District of Columbia

Standard, and the construction of cement

concrete curbs, gutters, side-

walks and wing walls.

SEWER CONSTRUCTION—Cost not

stated. Pittsburg, Contra Costa Co.,

Cal. Engineer, City Engineer, Pitts-

burg. Owners, City of Pittsburg, Hut-

chinson Co., 13th and Franklin streets,

Oakland, have been awarded a contract

to the City Trustees for the following work: That a 16-inch, vitrified, salt-glazed, ironstone pipe main sewer be constructed on East Second street, from Black Diamond street to Cumberland street, thence south along Cumberland street to East Third St.; and that manholes be constructed; that 4-inch, vitrified, salt-glazed, ironstone pipe lateral sewers be constructed; 10-inch sewer to the curb line, and that said lateral sewers be connected with said mentioned 16-inch sewer with Y branches.

STORES AND OFFICES—2 story and base, brick. Cost not stated. Pittsburg, Contra Costa Co., Cal. Architect, A. W. Cornelius, Merchants' National Bank Bldg., S. F. Owner, D. Frankel. Location, Third and Railroad avenue. Will contain three stores on the first floor and a number of offices and apartments on the upper floors. Plans are complete and figures will be called for shortly.

THEATRE AND STORES—2 story and base. Class C construction, \$25,000. Napa, Napa Co., Cal. Architect, L. M. Turton, Napa. Owners, John and Samuel Garibaldi, leased to S. Errant and S. Fisher of San Francisco. Besides the theatre, which will have a seating capacity of 1,100 people, there will be a number of modern stores on the first floor. Upper floor will be arranged for offices. Plans are being prepared.

Contract Awarded.

SCHOOL—2 story, brick and concrete, \$20,000. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, 910 Macdonald avenue, Richmond. Owners, City of Richmond. The contracts awarded were: J. S. Hannah, Chronicle Bldg., S. F., general contract, \$14,736; J. N. Long, 327 21st street, Richmond, plastering, \$4,755; Scott Co., 213 Minna street, S. F., heating, \$2,750, and Spiersch Bros, 25 Park Place, Richmond, \$1,129 for plumbing. The Board laid the bid of Schrader Bros. for \$2,672 to install the structural steel work on the building over for two weeks.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

SCHOOL

GRAMMAR SCHOOL LOT, Martinez.

All work for plastering new Grammar School building.

Owner.....Board of School Trustees of Martinez by Philbrick & Colwin, Martinez, Cal.

Architect...Stone & Wright, San Joa-

quin Bldg., Stockton.

Contractor...Wm. I. Blakely, Martinez.

Filed Dec. 7, '16. Dated Nov. 29, '16.

Payments to be made in like pro-

portion as the general contractor

receives his payment.....

TOTAL COST, \$—

Bond, limit, forfeit, none. Plans and specifications filed.

ELECTRIC WORK

ON SCHOOL PROPERTY, Martinez. All

work for installing electrical work

in Martinez new Grammar School and

farmhouse.

Owner.....Board of School Trustees

of Martinez School District.

Architect...None.

Contractor...Standard Electric Co., 60

Natoma, San Francisco.

Filed Nov. 24, '16. Dated Nov. 13, '16.

As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$4900
Bond, \$2450. Surety, Trustees Martinez Grammar School. Limit, 150 working days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING
CHANSOR ST., bet. 13th and 14th Sts., Richmond. Frame dwelling.
Owner.....Conn Bros., 6th and Macdonald, Richmond.
Architect...None.
Day's work..... **COST, \$1800**

FRAME COTTAGE
THIRD ST., bet. Chanslor and Ohio Sts., Richmond. Frame cottage.
Owner.....G. W. Humphrey, Bakersfield, Cal.
Architect...None.
Contractor...E. M. Taylor, 1433 Ada St., Berkeley.
COST, \$1400

COMPLETION NOTICES

MARIN COUNTY.

RECORDED **ACCEPTED**
Dec. 13, 1916—SAN RAFAEL. Joseph Sauer to J E Warner.....Dec. 7, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA.

RESIDENCE—1 story and base, frame, \$3,000. Fresno, Fresno Co., Cal. Architect, none. Owner, C. H. Shumard, Fresno. Location, Stratford Place. Will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

STORES AND OFFICES—6 story and base. Class A construction, \$165,000. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Forsythe Bldg., Fresno. Owner, Mrs. Nellie Mason. Location J street, covering an area of 150 by 150 feet. Will contain a number of stores on the first floor and 250 offices on the upper floors. Plans are complete and figures being taken.

FLATS—2 story and base, brick and frame. Cost not stated. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Cory Bldg., Fresno. Owner, S. N. Griffith. Location, Mariposa and M streets. Will contain four large residential flats. Plans complete and figures being taken.

BRIDGE—Steel and concrete. Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. The County Supervisors have instructed the County Clerk to advertise for bids for the construction of a steel span bridge across Little John Creek between Eugene and Knights Ferry to be opened on January 8th. The bridge will be 100 feet in length.

IRRIGATION WORK—Cost as follows. Modesto, Stanislaus Co., Cal. Engineer, Chief Engineer Hermann, Modesto. Owners, Modesto Irrigation District. Holm & Mortenson, Riverbank, were the lowest bidders and were awarded a contract at \$3,805 for constructing three concrete structures in Lateral No. 4 for the Modesto Irrigation District.

HIGHWAY CONSTRUCTION—Cost as follows. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto.

Owners, Stanislaus County. Following the sale of the \$1,482,000 Stanislaus County highway bond issue, the Supervisors directed the County Clerk to call for bids up to January 9th for the construction of three stretches of new highway—the Waterford road, Modesto to Empire; 5.4 miles of the Paradise road, westward from Modesto, and the Maze road from Modesto westward.

STORE ALTERATIONS—2 story and base. Class C construction, \$10,000. Tulare, Tulare Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Quilty Estate. Location, K and Kern streets. Work will consist of new store fronts, marble bases, electric work, plumbing and interior finish. Plans are being prepared.

Contract Awarded.

LIBRARY—1 story and base, frame and concrete, \$6,371. Oakdale, Stanislaus Co., Cal. Architect's name not given. Owners, Stanislaus County. Contractors, W. D. Voorhies & Son, Lodi. Contract price, \$6,371.

SCHOOL HEATING SYSTEM—\$2,948. Fresno, Fresno Co., Cal. Architects, Costes & Traver, Fresno. Owners, City of Fresno. Contractor, J. C. Hurley Co., 509 6th street, S. F. Contract price, \$2,948.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING
LOTS 59 AND 60 Ingersoll Tract, Fresno. All work for dwelling.
Owner.....Herbert Levy, 597 Van Ness, Fresno.

Architect...None.
Contractor...C. B. Hanner, 1245 I St., Fresno.
Filed Dec. 11, '16. Dated Dec. 6, '16.
Frame up.....\$300
Roof on, enclosed and plastered. 800
Completed and accepted.....800
Usual 35 days.....300
TOTAL COST, \$2200
Bond, \$1600. Surety, Globe Indemnity Co. Limit, 70 working days. Forfeit, \$10. Plans and specifications filed.

DWELLING
LOTS 11 12 BLK 4 Stratford Place, Fresno. Dwelling and garage.
Owner.....C. F. Shumard.
Architect...None.
Day's work..... **COST, \$2850**

STONE
PTN LOTS 15 AND 16 BLK 64, Fresno. All work for stone.
Owner.....T. C. White, 1311 I St., Fresno.
Architect...None.
Contractor...Trehwitt & Shields Co., Rowell Bldg., Fresno.
COST, \$2500

DWELLING
LOTS 39 AND 40 BLK 9 La Sierra Tract Fresno. Dwelling.
Owner.....Central Land & Imp. Co.
Architect...None.
Contractor...R. C. Blackwell, 227 Coast St., Fresno.
COST, \$3850

DWELLING
PTN LOTS 11 AND 12 BLK 1, Bartlett Heights, Fresno. Dwelling.

Owner.....O. D. Atkins, 3219 Kerkhoff St., Fresno.
Architect...None.
Day's work..... **COST, \$1500**

BUNGALOW

TULARE AVE., 2 1/2 miles east of Fresno. All work for two-story bungalow.

Owner.....Edward Hall, 2518 Tulare Ave., Fresno.
Architect...None.
Contractor...K. C. Buwalda, 901 Mono St., Fresno.

Filed Dec. 8, '16. Dated, ____.
On completion..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1848
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED	ACCEPTED
Dec. 11, 1916—LOTS 5 AND 6 BLK 3 North Calwa Addition, Fresno. C W and Maud Houseman to whom it may concern.....	Dec. 11, 1916
Dec. 8, 1916—LOT 38 E 1/2 Lot 37 Blk 8, Orchard Hill Addition, Fresno. H C Dunlavy to whom it may concern.....	Dec. 6, 1916
Dec. 9, 1916—LOTS 22 AND 23 BLK 2, Boone Tract, Fresno. Mrs A M Kalguest to whom it may concern.....	Dec. 2, 1916
Dec. 9, 1916—FRESNO (Depot.) Southern Pacific Co to F H Meek Co.....	Dec. 6, 1916

LIENS FILED

FRESNO COUNTY.

RECORDED	AMOUNT
Dec. 12, 1916—LOT 9 BLK 20, Alta Vista Tract, Fresno. Fred Stuckert vs Jas Miller.....	\$48

PLANS AND SPECIFICATIONS FILED

FRESNO COUNTY.

Plans and specifications of dwelling to be erected by Gede & Gede, Contractors, on Lots 9, and 10 Blk 4, Sunset Tract, Fresno, were filed December 9, 1916.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

ROAD CONSTRUCTION—Cost not stated. Placerville, El Dorado Co., Cal. Engineer, County Surveyor Clifton H. Wildman, Placerville. Owners, El Dorado County. Bids will be opened on January 4th at 2 p. m. for the construction of about 3 1/2 miles of earth surface wagon road. The work is located near Placerville and is known as the Morga Grade. About 42,000 cubic yards of excavation is included. Plans can be secured from County Clerk Arthur J. Koletzke, Placerville, on deposit of \$10.

STREET IMPROVEMENTS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. A contract for street improvements have been awarded under the following resolution: That the alley between J and K streets, from the east line of 13th street to the west line of 14th street, be improved

by grading the alley and constructing thereon an asphalt pavement, consisting of an asphaltic macadam foundation 3 inches thick and a sheet asphalt wearing surface 1½ inches thick. Awarded to Clark & Henry Construction Co., Ochsner Bldg., Sacramento.

SCHOOL—2 story and base, brick and concrete, \$65,000. Yreka, Siskiyou C., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Yreka School District. This building will be the first unit of a group which will cost \$165,000 when completed. The first building will contain class rooms and an assembly hall. Plans are now being prepared.

RESIDENCE—1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, W. B. Phillips, 4019 Cypress avenue, Sacramento. Location, Boyle Tract. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FIRE HOUSE—1 story, brick. Cost not stated. Tracy, San Joaquin Co., Cal. Architects, Sala & Mayo, Commercial and Savings Bank Bldg., Stockton. Owners, City of Tracy. Will contain apparatus room and living quarters. Plans complete and figures being taken. Bids open on December 26th.

LIENS FILED

SACRAMENTO COUNTY.

RECORDED **AMOUNT**
Dec. 11, 1916—N 87½ FEET LOT 1, J, K, 7th and 8th Sts., Sacramento. Kiernan & O'Brien, Inc vs McGillivray Constr Co & Capital National Bank of Sacramento.....\$287.61

CAR BARN
LOT 7 M, N, 25th and 29th Sts., Sacramento. Erect car barn. Owner.....Pacific Gas & Electric Co. Architect...None. **COST, \$500**

ALTERATIONS
J. K. SIXTH AND SEVENTH STS., Sacramento. Remodel front of store. Owner.....W. G. Locke & Son, 610 J St., Sacramento. Architect...None. Contractor..R. M. Smith, 2017 18th St., Sacramento. **COST, \$325**

ALTERATIONS
W ½ OF N ½ LOT 1, F, G, 13th and 14th Sts., Sacramento. Remodel dwelling and build 2 flats. Owner.....Thos. Ahern, 1300 F St., Sacramento. Architect...None. Contractor..W. R. Saunders, 2810 I St., Sacramento. **COST, \$1300**

DWELLING
LOT 6 Boyle Tract, Sacramento. All work for five-room dwelling. Owner.....W. B. Phillips, 4019 Cypress Ave., Sacramento. Architect...None. **COST, \$2000**

REMODEL SCHOOL
ALL OF BLK K L 18TH AND 19TH STS., Sacramento. R-model High School.

Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$1200**

REMODEL BUILDING
NO. 810 J ST., Sacramento. Remodel building. Owner.....M. Xaxacos, Premises. Architect...None. Contractor..J. A. Lucas, 1604 V St., Sacramento. **COST, \$750**

SCHOOL
LOT 2S WEST CURTIS OAKS, Sacramento. Portable school. Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$500**

SCHOOLS
BLK G Palmetto Heights, Sacramento. Two portable schools. Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$500**

ALTERATIONS
CITY PLAZA, Sacramento. Erect partitions and 4 lavatories. Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$500**

SCHOOL
LOT 1 Tulla Tract, Sacramento. Bungalow school. Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$500**

SCHOOL
ALL BLK V, W, 26TH AND 27TH STS., Sacramento. School building. Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$250**

SCHOOL
V, W, 26TH AND 27TH STS., Sacramento. Bungalow school. Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$250**

SCHOOL
V, W, 26TH AND 27TH STS., Sacramento. Portable school. Owner.....City of Sacramento. Architect...None

Contractor W. J. Mathews, Sacramento **COST, \$250**

SCHOOL
CYPRESS AVE. South Sacramento. Portable school. Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$250**

SCHOOL
LOTS 1 AND 2 G, H, 13th and 14th Sts., Sacramento. Portable school. Owner.....City of Sacramento. Architect...None. Contractor..W. J. Mathews, Sacramento **COST, \$250**

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

COTTAGE
LOT 5 BLK 5 of "The Oaks," Stockton. Excavation, concrete work, brick work, electric wiring and fixtures, plumbing and painting for one-story cottage. Owner.....J. F. Meyers, Stockton. Architect...None. Contractor..Charles Garfield, Stockton. Filed Nov. 29, '16. Dated Nov. 28, '16.
Floors laid\$300
Roof on300
Plastering completed400
Usual 35 days.....700
TOTAL COST, \$2000
Bond none. Limit, 35 working days from date. Forfeit, \$1 per day. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA.

ROAD CONSTRUCTION—Cost not stated. Santa Ana, Orange Co., Cal. Engineer, County Surveyor, Santa Ana. Owners, Orange County. The Orange County Supervisors have rejected all bids received for paying two and one-half miles of road between Brea and Olinda, as it was found that sufficient funds were not available.

RESIDENCE—2 story and base, hollow tile. Cost not stated. Los Angeles, Cal. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, Karl Steinlein. Location, Andrews Boulevard near 6th street. Will contain 14 rooms and 1 baths. Separate garage. Plans being prepared.

APARTMENT HOUSE—4 story and base. Class C construction. Cost not stated. Los Angeles, Cal. Architect, Leonard L. Jones, Hibernian Bldg., L. A. Owner, Mr. Cushing. Location,

DIRECT TO YOU
Bath Tubs, Toilets, Basins,
Pipe, Fittings, Sundries
ETC.

Sacramento Plumbing Supply Co.
Phone Main 993 515 J. St., Sacramento

1340 Orange street, covering an area of 55 by 90 feet. Will contain 70 rooms arranged in two and three room apartments. Plans being prepared.

WAREHOUSE—5 story and base, reinforced concrete, \$500,000. Los Angeles, Cal. Architects, Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Panama-Pacific Warehouse Co. Location, Alameda street between 6th and 11th streets, covering an area of 200 by 400 feet. Plans are being prepared.

HOTEL—1 and 2 story, log, \$100,000. San Bernardino, San Bernardino Co., Cal. Architect, J. J. Fraunfelder, Story Bldg., L. A. Owner, Harry Dillon. Location, Rim of the World Route. Designed for a tourist hotel and will contain 60 rooms besides dining room, office, lobby and kitchen. Plans are being completed and figures will shortly be called.

HIGHWAY CONSTRUCTION—Cost as follows. Los Angeles, Cal. Engineer, County Surveyor, L. A. Owners, Los Angeles County. Sealed bids will be received by the Board of Supervisors until 2 p. m. December 26, 1916, for improving Vine street near Glendora, in Road Improvement District No. 55. The road to be improved is 2.62 miles long and involves approximately 13,555 cubic yards excavating; 13,844 linear feet shaping road bed; 10,152 tons broken stone for oil macadam; 150 cubic yards concrete for culverts; 6,595 pounds reinforcing steel; 1,700 linear feet standard guard fence. Estimated cost to contractor, \$21,906.81. The county will furnish the broken stone and oil.

TELEPHONE EXCHANGE—2 story and base reinforced concrete. Cost not stated. Pomona, Los Angeles Co., Cal. Architect, Paul F. Diggs, First National Bank Bldg., Pomona. Owners, The Home Telephone Co. Will cover an area of 50 by 60 feet and contain offices besides the telephone company's plant. Plans are being prepared.

PORTLAND AND OREGON.

APARTMENT HOUSE—4 story and base, brick and steel, \$10,000. Portland, Ore. Architects, Claussen & Claussen, Macley Bldg., Portland. Owner's name withheld. Location, West Side, covering an area of 50 by 90 feet. Will contain twelve apartments of four, five and six rooms. Plans being prepared.

WAREHOUSE—3 story and base, brick and mill construction. Cost not stated. Portland, Ore. Architect, none. Owners, Oregon Home Builders, Portland. Location, 23rd and Broadway, covering an area of 60 by 125 feet. Plans complete and work to be done by Day Labor.

WATER SYSTEM—\$75,000. Camas, Wash. Engineer, L. B. Wickersham, Chamber of Commerce Bldg., Portland. Owners, City of Camas. The project involves installing a gravity system, with headworks on Jones Creek, and a pipe line to the reservoir at Camas; alterations of distributing system; repairs and enlargement of the reservoir; construction of headworks, etc. There will be about seven miles of new pipe line to replace an existing open flume.

Keystone Hotel

54 4th Street, near Market
San Francisco, Cal.



Right down town. Close to the Builders Exchange and General Contractors Ass'n. Accommodations can't be equalled for double the price.

Rooms with private baths, \$1.25 per day.

SEATTLE AND WASHINGTON.

Contract Awarded.

RAILROAD TERMINAL—Cost as follows. Seattle, Wash. Engineer, Chief Engineer, Northern Pacific R. R. Co. Owners, Northern Pacific Railway. The contract for the construction of the new terminals for the Northern Pacific Railway Co. on Hanford street and Occidental avenue, running through the block to the city waterway, has been awarded to the E. E. Rounds Construction Co., Walker Bldg., Seattle. The work will cost \$150,000. The project under this contract includes: 22 stall frame roundhouse with concrete foundation; 85-foot turntable, 48 by 120 feet frame machine shop, 24 by 30 feet frame blacksmith shop, 34 by 80 feet frame store house with concrete basement, 20 by 34 feet brick oil house, 21 by 50 feet frame engineers' building, 25 by 29 feet frame lavatory, 12,000 gallon

capacity oil tank and oil cellar, 100-foot cinder pit, 22 by 16 feet coal shed, 23 by 109 feet sand house, 2 tract coal dock, 100,000 gallon wood water tank, 2 stand pipes. Complete heating and plumbing system for entire plant.

SHIP YARDS — \$80,000. Seattle, Wash. Architect, none. Owners, Ames Ship Building and Dry Dock Co. In addition to securing the award of contract for the plate building for the Ames Ship Building and Dry Dock Co. at Hanford street and 26th avenue, S. W., H. D. Stewart, American Bank Bldg., Seattle, has just been awarded the balance of the project involving a total of \$80,000, including machine shop, 95 by 240 feet; woodworking shop and mold loft, 75 by 400 feet; furnace, blacksmiths and copper smiths sheds, each 50 by 120 feet; office building, 2 story, frame, 35 by 80 feet, with concrete vault; a power house and several out buildings, together with three shop

HARDWOODS — VENEERS

No matter what **kind** of Hardwoods Flooring or Panels you may require, nor what **quantity** of each you may need for **immediate delivery**, you can depend upon **WHITE BROTHERS** to supply you promptly.

We carry the largest stock of **HARDWOODS** and **WYBRO PANELS** in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured **service** and **promptness** coupled with **fair prices** as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

ways capable of taking vessels up to 150 feet long.

EXHIBIT BUILDING—1 and 2 story and base, brick and plaster, \$50,000. Seattle, Wash. Architects, Howells & Stokes, Henry Bldg., Seattle. Owners, Metropolitan Co. Contractors, Grant Smith Co., Henry Bldg., Seattle. Contract price, \$50,000.

**HARBOR COMMISSION
AWARDS CONTRACT.**

Healy-Thibbitts Construction Co. Will Secure Contract for Sea Wall Construction.

The State Board of Harbor Commissioners yesterday awarded the contract for raising sections 9 A and 9 B of the sea wall to Healy-Thibbitts Construction Company on their bid of \$38,343. Four other bidders submitted figures as follows:

Raising Sea Wall.	
J. D. Hannah.....	\$ 34,410.00
John Monk	47,730.00
Healy-Thibbitts Constr. Co.....	38,343.00
San Francisco Bridge Co.....	44,000.00
H. M. Pittman.....	169,598.80

**UNIQUE ELECTRIC
HEATING SYSTEM.**

A unique system of electric heating has been patented by P. F. Apfel of Seattle, Wash., and plants are now being installed by the Electric Sales Corporation in that city and will soon be on the market in California. This electric heating system is free from all complicated parts and delicate adjustments, and is readily adaptable to residences, business buildings, and public buildings of all kinds. The system consists primarily of a regular hot-water radiator filled with a non-corroding, non-freezing liquid which does not require renewal. The electric heating element is inserted in the bottom connections of the radiator, divided into several sections, and connected to a three-heat switch. This switch can either be attached direct to the radiator or located at any convenient part of the room desired.

The exceptionally large efficiency of this system is one of its greatest merits, since every unit of heat generated by the electric current is created right in the room in which it is used, and there is, therefore, no loss in transmission, radiation, friction, or circulation, such as must occur in either steam or hot-water systems of heating.

Apfel's patented system of electric heating is especially unique in the fact that it eliminates all possibility of oxidation or burning out of the heating element, which is the most common trouble with other electric heating systems. This problem has been solved by eliminating all air from contact with the heating element, and the non-corroding liquid perfects the insulation and also acts as a conveyor of the heat units to the outside atmosphere. The current consumption is fifty watts per square foot of radiating surface on highest heat, twenty-five watts on medium heat, and twelve and one-half

watts on low heat at 110 volts pressure. This gives a radiating temperature of approximately 180 degrees Fahrenheit when on highest heat.

The greatest possible flexibility is obtained in electric heating systems by the use of this individual unit system and the application of automatic thermostatic regulating devices, permitting the maintenance of constant temperatures in all rooms of the building or different temperatures in each room.

The quantity of radiation required is based upon well-known laws of heating engineering as applied to hot-water heating, and enables this firm to apply their electric heating system to buildings where either steam or hot-water heating systems had previously been used without destructive or expensive construction work or unsightly exposing of wires or pipes.

In Seattle heating rates as low as three-fourths of a cent per kilowatt hour are obtainable, at which rate Apfel's system of electric heating can be maintained at approximately the same as coal heating systems, with the complete elimination of coal, ashes, dust, dirt, time, and trouble.

The Electric Sales Corporation has completed a number of installations in offices and the better class of residences, but the system is applicable to every kind and style of building where heat is required, and comfort and convenience appreciated.

There are particular advantages in the application of Apfel's system of electric heating to modern apartment houses. The average apartment house owner is subject to an exceptional amount of useless expense in fuel. This is largely due to the willful or unwitting waste of heat by tenants through failure to turn off radiators before opening windows for ventilating. The owner is thus compelled to pay enormous fuel bills to satisfy all tenants, some of whom wish a high degree of heat, while others only enough to keep a healthy person comfortable.

It goes without saying that no apartment house owner would consider connecting the electric lights on his own house meter and permitting the tenants to consume all they wanted at 211 hours of the day or night and he pay the bills therefore yet that is practically what all apartment house owners are doing with their coal heating systems, thus permitting the tenant to use or abuse the heating conveniences, and he must pay the bills whether his tenants are allowing the heat to uselessly pass through the windows or not. It is claimed that a very large saving can be effected for both the tenant and the owner if this system of electric heating is installed as the lighting systems are installed, connecting each apartment to a separate meter. Thus each tenant can have as little or as much heat as desired either day or night, and the useless loss and resulting increase in fuel bills are entirely eliminated. By this system the tenant is permitted, as it were, to own and operate his individual heating plant; he gets all he pays for and pays for all he gets. This will result in the lowering of the now seemingly excessive rates asked for the better class of apartments, eliminating a large percentage of the vacancies due directly to present heating methods; makes for a more contented tenant, and increases the net earnings of apart-

ments so that they will again prove a good investment for the owner.

Another important advantage is the fact that should there be any trouble in the heating system in one apartment it is not necessary to shut down the entire plant, thus inconveniencing many tenants because of the negligence or abuse on the part of one tenant, since each radiator is an individual heating plant of itself and may be replaced or increased or decreased.

Another advantage of the Apfel system of electric heating is the absence of depreciation of every kind. There is no evaporation of the circulating medium, no replacement of the heating element, and the radiator is fully guaranteed against any trouble except abuse.

"Pay a good price for something good."

TESTS CONDUCTED BY BUREAU OF STANDARDS.

Tests of materials and products representing a wide range of industrial processes have been made in the course of recent activities of the United States Bureau of Standards. Engineering instruments, iron pipe, and railroad track scales were among the subjects of such tests.

The bureau has received many requests for the testing of iron pipe. There are no machines in this locality for the complete testing of pipe except those owned by the United States Steel Corporation. There are, however, in this vicinity and through the country many smaller independent pipe-manufacturing corporations. It is from these that requests have been received from time to time for both hydraulic and either tension or compression tests. Owing to lack of facilities the bureau at first referred corporations which desired to have certain tests made to a commercial testing laboratory. The latter, however, found on attempting the work that its machine was not of sufficient capacity, and as a consequence the bureau did the work. An important test was that of two pieces of 6-inch flanged iron pipe in tension.

Interest in Construction and Accuracy of Gauge.

A 5,000-pound gauge to be used by the United States Gauge Co. as a test gauge was calibrated by the bureau at 50 points of its scale. Twenty-one current meters were rated during the month. Thirteen of these instruments were for the use of engineers outside of the Government service. A test-pressure gauge of unusual interest because of its construction and accuracy was calibrated for the makers. This gauge was of the differential piston type using mercury, designed for pressures up to 10,000 pounds per square inch, graduated to 10 pounds, and could be read to 5 pounds.

Three 10,000-pound-pressure gauges were tested for a large steel company. Twelve relief valves for testing fire hose and 12 air gauges and pumps for testing lifeboat air tanks were tested for use by steamboat inspectors.

Test car No. 1 during a month's time tested 16 railroad track scales in Wisconsin. Test car No. 2 tested 20 railroad track scales and 3 master scales in Pennsylvania.

Convenience

Train schedules
Fast service
Clean Comfortable riding
Observation car service
Courteous employees
Electrically heated cars
Modern steel coaches

Between San Francisco and points in the Sacramento Valley on the "San Francisco-Sacramento Scenic Line" and the Northern Electric Ry.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry.
Phone Sutter 2339.

COTTON BUSINESS BRINGING MONEY TO CALIFORNIA.

The tremendous growth in the raising of cotton in California, with the phenomenal increase in the manufacture in the State of articles made of this material, since the outbreak of the European war, will be described in a moving picture lecture at the luncheon-meeting of the Home Industry League of California at the Palace Hotel on Thursday, December 14th. The speaker will be Superintendent M. F. Davidson, of the California Cotton Mills, whose talk will embrace the activities of all cotton interests in the entire State, including the development of the "cotton ranches" in the Imperial Valley.

HEALTH NEWS.

DO YOU KNOW THAT

A little cough often ends in a large coffin?

Bodily vigor protects against colds?

Careless sneezing, coughing, spitting spread colds?

Open air exercise cures colds?

Colds sometimes get well in spite of the excessive use of alcoholic beverages?

Overheated, air-tight rooms beget colds?



LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jct., Pittsburg, Bay Point, Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
*9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
*1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jct., Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.

* Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.

OAKLAND, ANTIOCH & EASTERN RAILWAY
Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 2735.

PIERCE-BOSQUIT Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E. PIERCE - Manager
905 SIXTH STREET

STOP Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VA LUE

TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For
You By Us in San Francisco.

BUY from the Manufacturer Direct.

WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675

To the Building and Engineering News 560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Subscription Rates

Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

Signed _____
Street and No. _____
City _____
State _____

Cut this out and mail to-day

Building & Engineering News

10 Cents Per Copy
\$3.00 Per Year

Published every Wednesday
Sixteenth Year, No. 52.

Publication Office,
560 Mission St.

San Francisco, Cal., December 27, 1916

Telephone Douglas 2371
Douglas 2372

Drill Steel
Gad "
Pick "
Plough "
for

Asphalt Cutter
Blacksmiths
Tools
Road Graders
Chisels, Etc.

PHONE GARFIELD 677

A TOOL NOT A TOY

**PYROPHOR is a
Tool Steel** which



is almost indestructible. Made in 5 different tempers according to the work. It is a time and money saver. No more broken tools if made of Pyrophor Steel. Complete stock carried on the Pacific coast. Any one can handle it. It welds easy



**Pacific Machinery
& Tool Steel Co.**

287 2nd Street S. F., Cal.

THE UNIVERSAL BED

Latest and Best in Wall Beds

This bed is not fastened to any door or door jamb. It is portable--movable--you can move it to any part of the room or building. Goes through any stock door 6 ft. 8 in. high and 18 in. or more wide.

H. E. Simpton & Co.

Display Room Monadnock Bldg.,
Telephone Douglas 3111

San Francisco

"It Is Almost Human"

Phone Kearny 740



**"The Improved
Norton"**

Door Check and Spring

Still on Deck

Best on Earth

Sure to Close Your Doors
Without Slamming.

Strictly As Air Cushion Check, working automatically.
Simplicity and Durability combined. Applied
to either side of any size door either
Right or Left Hand, without change.

In ordering, give size of Door, also projection of Cas-
ing (if any) over doors, when Bracket will be sent to fit
Duplicate Parts in Stock

FRANK D. MORRELL

278 Natoma Street, near 4th

San Francisco

Telephone Sutter 5231

Member

Insurance Brokers Exchange

FRED H. BOGGS
INSURANCE

68 POST STREET

Foxcroft Building

San Francisco

THE

Safe Deposit Vaults
of the

BANK OF ITALY

Are Open Every Day of the Year

Including Sundays and Holidays

From 8 A. M. Until Midnight. Especially
Convenient for Builders and Contractors.

Boxes \$2.50 per year and upwards.

Junction Market, Mason and Turk Streets



Hot Water

Unlimited--Always on tap

Any home that can
afford a bath-room
can afford

THE

BUNGALOW

"Quick-as-a-Wink"

Automatic

Gas Water Heater

Pittsburg Water Heater Company

402 15th St.
Oakland

478 Sutter St.
San Francisco

JOHN G. ILS & CO.

Manufacturers

French Ranges and Broilers

Complete Kitchen and Bakery Outfits

529-541 MISSION ST.

San Francisco

Plans and Specifications

Prepared for Contractors

General Drafting. Quantities taken off. Terms reasonable

Address me by phone at San Francisco, Franklin 2887
Oakland, Oakland 8941

Telephone Market 1935

Fine and Sanitary
PLUMBING

Frank J. Klimm
PLUMBER

221 OAK STREET

Bet. Cough and Octavia

SAN FRANCISCO, CAL.

Saving your client's money



No longer need you hesitate to specify special plumbing fixtures, for fear of delaying the work.

The convenient location of our three factories eliminates all possibility of delay.

Our designing department will completely carry out your ideas—and design special fixtures that are particularly adaptable.

Whenever special fixtures are required specify **"Pacific" Plumbing Fixtures.**

"Pacific"



Plumbing Fixtures

For Sale By All Jobbers

Main Offices and Showroom,
67 New Montgomery St.
San Francisco, Cal.

Factories,
Richmond
California.



Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, Cal. December 27, 1916

Sixteenth Year, No. 52



Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY.

L. A. LAHSEN,
Publisher and Proprietor,
W. D. Manville, News Editor,
J. P. Farrell, Exchange Editor.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 10c

SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

Circulates among the leading Engineers, Surveyors, Architects, Contractors and Municipal Authorities on the Pacific Coast.

Advertising rates on application.

Table of Contents.

Alameda (See Oakland)	
Apartment Houses	5
Bonds	5
Bridges, Dams and Harbor Work	5
Factories and Warehouses	6
Fire Houses	6
Fresno, Modesto, Stanislaus and Central California	21
Garages	6
Government Work and Supplies	6-7
Hospitals	7
Hotels	7
Irrigation Projects	7
Libraries	7
Los Angeles and Southern California	22
Marin, Contra Costa and Sonoma Counties	17-18-19-20
Portland and Oregon	22-23
Railroad Construction, Stations and Equipment	7
Residences	4-8
Sacramento, Stockton and Northern California	21-22
San Francisco	11-12-13
San Jose and the Santa Clara Valley	14-15-16-17
Schools	8
Sealed Proposals	8-10
Sewers and Street Work	8-9
Theatre	9

BUILDING OPERATIONS FOR NOVEMBER.

A year ago, the abnormal construction activity that had begun during the early summer of 1915 reached its apex. The statement for November, 1915, showed an increase in volume over that of November, 1914, of 75 per cent. It is therefore with the floodtide of that remarkable business that present building comparisons are made. The figures reveal that the pace of a year ago is maintained.

The official reports of building operations, issued in 117 of the principal cities of the United States for November, as received by the American Contractor, Chicago; California Development Board and the Daily Pacific Builder, total \$70,892,290, as compared with \$70,137,533 for November, 1915. The statement must therefore be regarded as favorable, or as more than merely favorable, for besides the great activity a year ago there are other considerations that would ordinarily put a check upon new construction. Of these the abnormal scarcity of some material and its high price are perhaps the most notable. It might almost be said that the structures that are now going up are those that are indispensable, or those which the owners believe will yield an adequate profit upon the enhanced cost of construction.

New York City shows a recognizable decrease and Chicago limps a little in the comparison. The reason usually assigned for the decrease in New York City is that the new zoning law construction is naturally the more conservative. It is there a period of adjustment to radically new conditions. The activities in Chicago a year ago were very pronounced. And as the cities go numerically, there is the usual diversity of showings, 66 gaining in the comparison, 50 making losing exhibits, and one "breaking even." The details of this diversity may be studied at leisure in the subjoined tabulation:

Nov. 1916 Nov. 1915

Cities	Cost.	Cost.
Akron	\$ 1,164,465	\$ 1,215,045
Alameda, Cal.	25,270	61,521
Altoona	20,945	35,547
Atlanta	347,167	284,647
Atlantic City	274,690	528,565
Bakersfield, Cal.	32,977	13,770
Baltimore	936,480	690,478
Bayonne	176,503	137,495
Berkeley, Cal.	121,683	173,075
Binghamton	172,222	139,160
Birmingham	204,309	148,733
Boston & vicinity	4,726,000	7,010,000
Bridgeport	495,171	490,973
Brooklyn	164,334	96,730
Buffalo	1,042,000	895,000
Canton	255,175	138,250
Cedar Rapids	163,000	119,000
Charlotte	57,782	30,200
Chattanooga	47,088	53,532

Chicago	10,056,100	10,861,600
Cincinnati	771,195	790,965
Cleveland	2,843,245	2,434,715
Colorado Springs	140,331	13,590
Columbus	554,965	347,350
Dallas	272,595	269,498
Davenport	101,370	33,143
Denver	324,600	312,085
Des Moines	201,810	125,970
Detroit	5,707,235	3,482,680
Dubuque	22,210	18,600
Duluth	188,755	204,446
East Orange	144,815	89,018
East St. Louis	71,345	206,010
Elizabeth	216,139	166,609
Erie	259,011	139,465
Eureka, Cal.	13,200	13,394
Evansville	89,786	277,383
Fort Wayne	207,425	163,525
Fresno, Cal.	51,444	87,827
Grand Rapids	182,702	335,325
Harrisburg	132,885	84,375
Hartford	509,562	707,709
Haverhill	91,050	78,300
Hoboken	24,185	90,580
Holyoke	52,025	108,550
Huntington	124,155	108,815
Indianapolis	721,076	438,823
Jacksonville	75,180	106,225
Kansas City Kan	77,880	86,802
Kansas City, Mo	916,250	724,115
Lawrence	95,815	190,015
Lincoln	102,265	186,705
Los Angeles, Cal.	1,494,518	1,000,229
Louisville	364,710	227,720
Manchester	110,391	111,898
Memphis	271,400	191,485
Milwaukee	1,703,180	637,936
Minneapolis	944,890	1,539,225
Montgomery	31,385	11,695
Nashville	143,917	108,665
Newark	1,280,322	641,385
New Bedford	215,150	165,119
New Britain	147,400	193,550
New Haven	461,655	966,080
New Orleans	234,072	156,551
New York City—		
Manhattan	2,270,896	4,601,215
Bronx	1,028,900	3,355,028
Brooklyn	2,310,270	4,467,235
Queens	2,176,425	1,675,200
Richmond	263,788	242,522
Total	8,950,279	14,041,210
Norfolk	139,210	128,926
Oakland, Cal.	281,868	455,460
Oklahoma City	207,006	99,765
Omaha	726,105	656,075
Pasadena, Cal.	116,657	131,660
Passaic	48,075	99,975
Patterson	90,335	149,585
Peoria	131,390	197,575
Philadelphia	4,451,925	2,308,665
Pittsburgh	916,806	663,312
Pueblo	17,260	10,975
Quincy	78,490	146,594
Reading	85,700	21,025
Richmond, Cal.	23,490	13,880
Richmond, Va.	477,158	275,251
Rochester	359,593	817,254
Sacramento, Cal.	142,771	90,588
Saginaw	22,400	33,119
Salt Lake City	166,100	156,705
San Diego, Cal.	114,992	99,232
San Francisco	1,124,451	1,149,391

San Jose, Cal.	9,131	24,132
Santa Rosa, Cal.	5,770	7,807
Savannah	29,235	80,515
Schenectady	109,571	60,425
Seranton	199,921	240,164
Seattle	481,375	798,810
Sioux City	109,100	194,297
South Bend	76,929	77,300
Springfield, Ill.	83,615	160,745
Springfield, Mass.	985,776	650,050
St. Joseph	12,465	64,819
St. Louis	1,244,904	782,943
St. Paul	864,933	619,701
Stockton, Cal.	75,902	34,185
Superior	64,595	46,975
Tacoma	284,687	75,465
Tampa	97,101	100,335
Terre Haute	13,635	141,218
Toledo	543,270	535,755
Topeka	28,990	69,650
Trenton	102,293	157,595
Troy	50,545	70,735
Utica	196,300	151,035
Washington, D.C.	1,531,864	594,925
Wichita	83,400	23,925
Wilkes-Barre	100,076	48,535
Wilmington	171,621	120,029
Woonsocket	42,350	94,020
Worcester	532,120	354,839
Youngstown	269,635	203,790
Total	\$70,892,290	\$70,137,533

ASSESSMENT AND TAXES.

In the forthcoming biennial report, State Controller John S. Chambers gives the following interesting facts and figures as to assessments and taxes in the counties.

The grand total of the assessment rolls of the counties for the year 1916 was \$3,577,877,764 as compared with the total roll in 1915 of \$3,314,492,798.

The total non-operative roll in 1916, which is general property taxed by the counties, but not by the State, was \$2,917,135,689 and the operative roll, which includes the property of the public utilities not subject to local taxation, amounted to \$508,733,485.

The value of the railroads as assessed by the State Board of Equalization was \$157,006,590.

Of the non-operative or general property roll, "inside," the real estate and improvements, in 1916, totaled \$1,628,171,972.

Inside, personal property and money, \$228,032,034.

Outside, real estate and improvements, \$902,315,264.

Outside, personal property and money \$158,616,419.

Total, \$2,917,135,689.

The taxes charged "inside" for county amounted to \$27,239,709.80 and "outside" county to \$19,814,659.59, giving a total of \$47,054,399.69.

TO INCREASE POPULATION OF SAN FRANCISCO BY LEGAL REGULATION OF HOUSING.

A definite plan to greatly increase the population of San Francisco immediately will be announced to the members of the Home Industry League and their friends at the weekly luncheon-meeting to be held on Thursday, December 21st, at the Palace Hotel.

This scheme for more rapid increase in the city's population has been originated by Engineer George C. Holberton, of the Pacific Gas and Electric Company, who will tell about it in person at this meeting.

In a general way, the plan calls for better and more adequate "housing" of the city's population.

The public is invited to hear this talk.

STATE'S BONDED INDEBTEDNESS.

Because of the great bonded indebtedness of the State, the counties and the cities, and the discussion which has taken place upon the subject during the past year, State Controller John S. Chambers, in his forthcoming biennial report to the Legislature, sets forth in detail the situation as to the State's bonded indebtedness.

The total debt of this kind owed by California is now \$32,013,500, with bonds on hand but unsold totaling \$30,500,000. The table follows:

Bonded Indebtedness of State of California, June 30, 1916.	
Civil Bonds, 1857 (Interest ceased)	\$ 3,500
Civil Bonds, 1860 (Interest ceased)	500
Funded debt, 1873 (In trust for School Fund) 6%	1,526,500
Funded debt, 1873 (In trust for St. University) 6%	751,000
San Francisco Seawall, 1903 4%	932,000
Second San Francisco Seawall, 1909 4%	9,000,000
State Highway, 1909 4%	18,600,000
State University Buildings, 1915 4½%	1,800,000
San Francisco State Building, 1913 4%	1,000,000
Total	\$32,013,500
Bonds Authorized But Not Yet Issued.	
India Basin, 1909 4%	\$ 1,000,000
San Diego Harbor Improvement, 1909 4%	1,500,000
Sacramento State Building, 1913 4%	3,000,000
Third S. F. Seawall, 1913 4%	10,000,000
Total	\$15,500,000
Second State Highway, 1915 4%	15,000,000
Total	\$30,500,000

DEATH CALLS THOMAS GUERIN.

Thomas Guerin, one of the best known young men in building circles, and a member of the firm of J. S. Guerin & Co., died Saturday last from a relapse following a case of pneumonia from which he was thought to have recovered. The funeral was held Monday.

Thomas Guerin was a member of the Builders' Exchange and enjoyed a high standing among his fellows.

ALASKA'S SUBMERGED MOUNTAINS

Have you any idea of the extent of the Alaska coast line? The shores of the territory are washed by three great oceans. These are the Arctic ocean on the north, Behring sea on the west and the Pacific on the south. The Aleutian islands, off the Alaskan peninsula, are separated from each other and the mainland by a network of rocky straits, and much of Southwestern and Southeastern Alaska is made up of mountainous islands that have rocks of all shapes and sizes. The islands are really the tops of mountains half lost in the waters. They

rise in spires and cathedrals, some of which are thousands of feet above the water and others hidden beneath it, lying there concealed and ready to rip open the hulls of ships as the iceberg ripped the Titanic.

The extent of the Alaska coast, with its windings, surpasses that of the United States proper. It is greater than that of all our states on the Pacific from Puget sound to the boundary of Mexico, added to that of our states on the Atlantic, including the gulf. All told, it is more than 26,000 miles long, or longer than the distance around the world at the equator, and, in proportion to its length, it has perhaps more dangers than any other coast line on earth.

Nevertheless, not one-half of it has yet been sounded by the coast survey vessels and more than half of the general coast line is not marked by lights or by any aids to navigation.—Christian Herald.

LUMBER INDUSTRY SHOWN ON SCREEN.

Through the medium of the silent drama the lumber industry, one of the greatest of the many whose products pass through Los Angeles harbor, is being shown to the Los Angeles public. Exemplifying not only the magnitude of the industry but the rapid development of the harbor and of Los Angeles as a lumber market, the film is meeting with much praise. The Hammond Lumber Company made the 1200-ft. film, which is named "From Tree to Consumer." It starts with the virgin forests, shows the cutting of the graceful giants, and the various phases of manufacturing. Then is portrayed the loading of the lumber on board the big fleet of steamships built, owned and operated by the Hammond company, the entering of the craft into Los Angeles harbor and the unloading of the cargoes. Then the scene shifts to transportation of the lumber from the harbor yards to the business section of Los Angeles and to the Imperial country and Arizona. Finally is presented a view of the finished product, a Southern California bungalow of typical beauty.

WATER POWER IN THE UNITED STATES.

Revised figures of the potential water power resources of the country place them, says the report, at the minimum of 27,943,000 horse power and the maximum of 53,905,000, the minimum representing the amount of power that could be developed from the use of the average annual minimum stream flow for the lowest two consecutive seven-day periods of each year, while the maximum represents the amount that could be developed from the use of the average maximum continuous stream flow available for six months during the year. The national forests are stated to contain 30.4 per cent of this minimum and 31.3 per cent of the maximum, while over 72 per cent of the country's total is found in the mountain and Pacific states and 42 per cent in the three Pacific coast states. National forest water power amounts to 42 per cent of the minimum and 43 per cent of the maximum estimated power resources of the western states.—Report of the U. S. Department of Agriculture.

ADVANCE CONSTRUCTION NEWS.

Classified According to Character of Work.

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 6 story and base, steel and brick, \$100,000. Architects, Rousseau & Rousseau, 110 Sutter street. Owner's name withheld. Location, northwest Eddy and Hyde, covering an area of 75 by 87½ feet. Will contain garage on the first floor and 90 rooms arranged in suites of one, two and three rooms. Plans complete and figures to be called for shortly.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$22,500. Architect, J. F. Dunn, Monadnock Bldg., S. F. Owner, Mrs. Wilson. Location, Pine near Leavenworth. Will contain a number of two and three room apartments. Plans being prepared.

OAKLAND, CAL.—Apartment house, 3 story and base, frame, \$35,000. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner's name withheld. Location, Head of Lake. Will contain seventy-five rooms arranged in suites of two and three rooms. Plans being prepared.

SAN MATEO, SAN MATEO CO., CAL.—Apartment house, 2 story and base, frame, \$10,000. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owner, Mr. Canepa. Will contain a number of one, two and three room apartments. Plans complete and figures in. Contract to be awarded shortly.

MARTINEZ, CONTRA COSTA CO., CAL.—Apartment house, 3 story and base, frame, \$10,000. Architect, Chester H. Miller, Savings Bank Bldg., Oakland. Owner's name withheld. Will contain a total of 78 rooms arranged in suites of two and three rooms. Plans being prepared.

ROSS, MARIN CO., CAL.—Apartment house, 2 story and base, frame, \$5,000. Architects, Schirmer & Bugbee, Dalziel Bldg., Oakland. Owner, W. Schirmer. Has been arranged for four stores on the first floor and a number of one and two room apartments on the second floor. Plans are being prepared.

FRESNO, FRESNO CO., CAL.—Apartment house, 10 story and base. Class A construction, \$100,000. Architect, Eugene A. Mathewson, Cory Bldg., Fresno. Owner, S. N. Griffith. Location, M and Mariposa streets, covering an area of 130 by 56 feet. Will contain a total of 71 apartments of two and three rooms. Plans are being prepared.

SEATTLE, WASH.—Apartment house, 4 story and base, brick and steel. Cost not stated. Architect, W. R. Kelly, Leary Bldg., Seattle. Owners, Leopold Estate. Location, southeast 7th avenue and James street, covering an area of 60 by 120 feet. Will contain a number of two and three room suites. Plans complete and figures being taken.

BONDS.

OAKLAND, CAL.—The County Board of Supervisors has passed a resolution authorizing the District Attorney to prepare the necessary proceedings for the purpose of calling a special bond election to raise funds for the construction of a bridge over the estuary between Oakland and Alameda; also for the construction of a new county hospital building. It is thought that \$2,000,000 will be set for the issue.

PITTSBURG, CONTRA COSTA CO., CAL.—The Board of Trustees is contemplating a bond issue for street improvements, town hall and a police and fire alarm system. The town hall will cost \$25,000 and about \$10,000 is contemplated for street improvements. The bonding capacity of the city is estimated at \$175,000.

SACRAMENTO, CAL.—Seven bids were received for the purchase of \$1,750,000 state highway bonds held by Sacramento County. The bids were taken under advisement.

KLAMATH FALLS, ORE.—Bids are now being received for the purchase of bonds to finance the construction of a railroad 19.6 miles long, from Klamath Falls to a point near Dairy. Bids for the construction of the railroad are also being received.

LEWISTON, IDAHO—The voters of Lapwai Valley Highway District have authorized the issuance of \$150,000 in bonds for the construction of an automobile highway in that district and which will form a link in the Sunshine Highway that will extend from Nogales, Arizona to Marcus, Idaho.

CORNING, TEHAMA CO., CAL.—Corning residents will shortly ask the County Supervisors to call an election to vote bonds of \$120,000 to finance the construction of a bridge across the Sacramento River at Squaw Hill Landing.

MERCED, MERCED CO., CAL.—An election will be held shortly to vote on the selection of a site for the proposed \$150,000 high school building for which bonds have already been voted.

KITTITAS, WASH.—Bonds of \$5,000,000 have been voted for the construction of the proposed irrigation system near Ellensburg, Wash., for which Twohy Bros., Wells-Fargo Bldg., Portland, Ore., have agreed to take and carry on construction work.

SANDPOINT, IDAHO—An election will be held January 17th to vote bonds of \$90,000 for the construction of a high school.

WASHINGTON, YOLO CO., CAL.—January 10th is the date fixed to hold an election to vote bonds of \$30,000 for the construction of a new school building, plans for which have already been prepared by Architect Hemmings of Sacramento.

COLUSA, COLUSA CO., CAL.—The County Supervisors have sold the \$85,000 school bond issue and bids for the

erection of the structure will be called for immediately.

CHOWCHILLA, MADERA CO., CAL.—Bonds of \$50,000 sold to Blythe-Witter Company are illegal owing to a slight technical defect and another election will probably be held. The bonds when sold will finance the construction of a new high school.

BRIDGES AND DAMS.

FRESNO, FRESNO CO., CAL.—Bridge, reinforced concrete and steel. Cost not stated. Engineer, County Surveyor, Fresno. Owners, Fresno County. Bids will be opened on January 10th at 2 p. m. for the reconstruction of Centerville bridge across Kings River, according to plans and specifications therefor.

Contract Awarded.

RICHMOND, CONTRA COSTA CO., CAL.—Sea wall, rock construction, \$22,000. Engineers, Haviland & Tibbets, Alaska-Commercial Bldg., S. F. Owners, City of Richmond. Only two bids were received by the Richmond Council on Monday night for constructing a rock sea wall. Both bids were taken under advisement. The bids were as follows: Healy-Tibbitts Construction Co., S. F., \$22,000; Blake Bros., Oakland, \$23,000.

OAKLAND, CAL.—Bridge pile fenders, \$1,154. Engineer, County Surveyor, Oakland. Owners, Alameda County. Contractors, Hyde-Harjes Co., 110 Market street, S. F. Contract price, \$1,154.

RICHMOND, CONTRA COSTA CO., CAL.—Inner harbor fill, \$39,000. Engineers, Haviland & Tibbets, Alaska-Commercial Bldg., S. F. Owners, City of Richmond. Contractors, Standard American Dredging Co., 414 13th street, Oakland. Contract price for 4,500 foot retaining wall, \$39,000.

HANFORD, KINGS CO., CAL.—Bridge construction, etc. Cost as follows. Engineer, County Surveyor, Hanford. Owners, Kings County. The following bids were received by the County Supervisors at their last meeting for the construction of a reinforced concrete bridge over the canal of the Lemoore Canal and Irrigation Co. S. G. Smartt—Item 1, A-class concrete, 12.50 cents per cubic yard; item 2, B-class concrete, 12.44 cents per cubic yard; item 3, reinforcing steel, 54 cents per pound; item 4, piling under footings, 80 cents per lineal foot. H. Erwin Walker—Item 1, A-class concrete, 15.28 cents per cubic yard; item 2, B-class concrete, 15.28 cents per cubic yard; item 3, reinforcing steel, 6 cents per pound; item 4, piling under footings, \$1.50 per lineal foot. Contract awarded to S. G. Smartt of Bakersfield.

MERCED, MERCED CO., CAL.—Bridge, reinforced concrete, \$1,700. Engineer, County Surveyor, Merced. Owners, Merced County. Contractors, Halverson & Gordo, Merced. Contract price, \$1,700.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Factory addition, 1 story, reinforced concrete. Cost not stated. Architect, Milton Lichtenstein, 111 Ellis street, S. F. Owners, S. and G. Gump Co. Location, Clay near Stockton. New addition will afford an additional 4,800 square feet of floor space. Plans complete and figures to be called for after the first of the year.

SAN FRANCISCO—Factory addition, steel and concrete, \$30,000. Engineer, N. M. Looney, New York City. Owners, American Can Co., Mills Bldg., S. F. Location, south 19th street and Treat avenue. Work will consist of driving 90-foot piles, concrete work, structural steel and concrete bases. Plans complete and figures being taken.

GALT, SACRAMENTO, CAL.—Factory group, 1 and 2 story, hollow tile, \$150,000. Architect E. C. Hemmings, Sacramento. Owners, Utah Condensed Milk Co., Richfield, Utah. The main building will be a two-story hollow tile structure facing the Southern Pacific tracks. There will also be two hollow tile cottages, each one story; a one-story hollow tile garage, a steel water tower with a tank of 25,000 gallons capacity, and a large concrete septic tank for the disposal of all refuse. Bids will be called for shortly after the first of the new year.

SACRAMENTO, CAL.—Factory, 1 story, hollow tile. Cost not stated. Architect E. C. Hemmings, Sacramento. Owners, Essex Lumber Co. Location, North Sacramento. Building has been designed for a pencil factory. Plans complete and figures to be called for at once.

LEMORE, KINGS CO. CAL.—Factory, 1 story and base, brick, \$16,000. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, Kings County Creamery. Will contain office, shipping room and factory. Plans are being prepared.

FIRE HOUSES AND JAILS.

SANTA ROSA, CAL.—Fire hose. Cost not stated. Owners, City of Santa Rosa. Bids will be received on January 2 at 5 p. m. by City Clerk H. B. Snyder for furnishing 500 feet of 2½-inch fire hose. An official proposal appears under the heading of Official Proposals in this issue.

GARAGES

SAN FRANCISCO—Garage and machine shop, 1 story and base, reinforced concrete, \$17,500. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, Gihreke and Kuner Estates. Location, southeast corner of Golden Gate avenue and Gough street. Will contain a number of small repair shops and a garage. Plans complete and figures being taken.

SAN FRANCISCO—Garage, 1 and 2 story and base, reinforced concrete. Cost not stated. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, J. Allec Cleaning and Dyeing Works. Location, 2164 Folsom street, covering an area of 25 by 120 feet. Plans being prepared.

SAN FRANCISCO—Garage and sales rooms, 2 story and base, brick and steel. Cost not stated. Architect, August Nordin, Mills Bldg., S. F. Owner, L. A. Myers. Location, northeast Pine and Franklin streets, covering an

area of 69 feet 9 inches by 137½ feet. Plans being prepared.

SAN FRANCISCO—Garage and machine shop, 1 and 2 story, brick and steel. Cost not stated. Architects, Helman & Swartz, 212 Stockton street, S. F. Owner, L. A. Myers. Location, northeast Pine and Franklin streets, covering an area of 68 feet 9 inches by 137½ feet. This is the other half of a building which is to cover a full Fifty Vara lot at this corner. Plans are being prepared.

OAKLAND, CAL.—Garage, 1 story and base, brick. Cost not stated. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, H. W. Leach. Location, Piedmont and Broadway. Designed for a commercial garage and will contain office and storage space. Plans revised and new figures being taken.

SEATTLE, WASH.—Garage, 4 story and base, reinforced concrete, \$50,000. Architect, V. W. Voorhees, Eitel Bldg., Seattle. Owner, Frank W. Palmer. Location, 11th avenue and Pike, covering an area of 60 by 120 feet. Designed for a commercial garage with offices and sales rooms. Plans complete and figures being taken.

GOVERNMENT WORK & SUPPLIES.

Mare Island, Cal., Crane.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for a 25-ton floating revolving crane for delivery at the navy yard, Mare Island:

Item 1, complete; 2, price for crane with modifications; 3, amount to be deducted if Government furnishes pontoon; 4, price for crane if steam engine is used for power; 5, price for crane under item 3 except as modified under item 4; 6, price for substituting coal burning boiler, fuel oil burner with 1,000 gallons capacity:

McMyler Interstate Co., Bedford, O., item 2, \$837,000, 700 days.

Wellman-Seaver-Morgan Co., Cleveland, Ohio, item 3-A, except pontoon \$555,000, 22 months; 3-B, 1 crane without hull, \$235,000, 28 months; alternate 3-A, 150 ton crane without hull, \$480,000; alternate 3-B, 150-ton crane without hull, \$460,000, 28 months; item 5, add, \$9,000; 6, \$1,500.

Ellensburg, Wash., Furniture.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for supplying furniture equipment for the U. S. post office building at Ellensburg, Wash.:

Beardsley-Graham Showcase Co., Seattle, Wash., \$1,351.

Richmond School Furniture Co., Muncie, Ind., \$1,870.

Nachtgal Mfg., Co., Grand Rapids, Mich., \$1,327.

National Showcase Co., Brooklyn, N. Y., \$1,356.

Federal Equipment Co., Carlsle, Pa., \$1,591.

Southern Seating and Cabinet Co., Jackson, Tenn., \$1,500.

Jacob Beitzel & Son, York, Pa., \$1,563.

The Nelson Co., Brooklyn, N. Y., \$1,511.

Pearl Harbor, Crane.

The contract for furnishing a locomotive crane for the naval station, Pearl Harbor, Hawaii, has been awarded to Victor R. Browning & Co., of Cleveland, Ohio, at \$94,552 under item 2 of specification.

Grand Junction, Colo., Light Fixtures.

The bid of P. Storsberg Co., Newark, N. J., \$2,429.53 in amount, has been accepted by the supervising architect for installing lighting fixtures in the U. S. post office at Grand Junction, Colo.

Twin Falls, Idaho, Post Office.

The supervising architect, Treasury Department, Washington, D. C., has rejected all bids recently received for constructing U. S. post office at Twin Falls, Idaho, and the work will be re-advertised.

Leadville, Colo., Repairs.

The following bids were received by the custodian, U. S. post office, Leadville, Colo., for making miscellaneous repairs:

Grove & O'Keefe Wall Paper Co., Leadville, Colo., \$29.

Gorman Co., Leadville, Colo., \$52.

Leadville Wall Paper and Paint Co., Leadville, Colo., \$35.

Twin Falls, Idaho, Plaster Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for making plaster models for the U. S. post office at Twin Falls, Idaho:

Lombard & Ludwig, Washington, D. C., \$106.

Ernest C. Bairstow, Washington, D. C., \$140.

J. Brys & P. Bruyninck Co., Washington, D. C., \$150.

Emil Jung, \$150.

C. W. Buhler, Washington, D. C., \$158.

Frank Micka, \$188.

F. Higgins & Co., Washington, D. C., \$242.

Coast Guard Station, Siuslaw River, Ore.

The contract for constructing the new coast guard station at Siuslaw River, Ore., has been awarded to H. R. Kibler, of Portland, Ore., at his bid of \$8,389. He will complete the work within 100 days.

Portland, Ore., Plaster Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., December 6, for making plaster models for the U. S. post office at Portland, Ore.:

Mora & Gregoire, \$6,087.50.

Hermann Bosch, \$7,258.

Leyden & Bickel, \$8,248.

Paul E. Deniville, \$8,630.

Dackert & Cotal, \$9,164.

Jules Woff, \$13,455.

All bidders of San Francisco, Cal.

HOSPITALS.

FRESNO, FRESNO CO., CAL.—Sanitarium, 5 story and base, reinforced concrete. Cost not stated. Architects, E. J. Kraft & Sons, Phelan Bldg., S. F., associated with R. F. Felchlin, Rowel Bldg., Fresno. Owners, Burnett Sanitarium Co. Will contain a number of private rooms, office, sun rooms and

operating room. Plans complete and in the hands of Architect Felchlin who is now taking figures.

CRESCENT CITY, DEL NORTE CO., CAL.—Hospital barn, 1 story, frame. Cost not stated. Architect, none. Owner, Del Norte County. Bids will be opened on January 8th at 10 a. m. for the construction of a frame barn to be erected at the County Hospital. Plans can be secured from the County Clerk.

HOTELS.

SAN FRANCISCO—Hotel, 3 story and base, brick. Cost not stated. Architect, Milton Lichtenstein, 111 Ellis St., S. F. Owners, Madison and Burke. Location, Clay near Powell street. Will contain 24 rooms and three baths. Plans being prepared.

OAKLAND, CAL.—Hotel alterations and addition, frame, \$3,000. Architect, none. Owner, R. G. Campbell, 191 41st street, Oakland. Location, 194 41st street. Work will consist of both interior and exterior alterations. Plans are complete and work will be done by Day Labor.

IRRIGATION PROJECTS.

FRESNO, FRESNO CO., CAL.—Irrigation project. Cost as follows. Engineer, Louis C. Hill, Fresno. Owners, Associated Irrigation Districts. Plans prepared by Louis C. Hill, United States Consulting Engineer, have been approved by a committee of thirty land-owners, representing eight associated districts in the central part of San Joaquin Valley. The plans provide for a conservation dam at Pine Flat on the Kings River in Fresno County. A meeting will be held on January 3rd, when a report will be submitted on the cost of buying out the existing canal systems, with a view to consolidating all the territory depending on the Kings River. The proposed dam will cost \$9,000,000 and will give capacity to irrigate 400,000 more acres.

Contract Awarded.

WATERFORD, STANISLAUS CO., CAL.—Irrigation project. Cost as follows. Engineer, Chief Engineer, Waterford Irrigation District. Contracts for the construction of the last segment of the upper main canal of the Waterford Irrigation District, a section 2½ miles long and including a 2,200-foot tunnel 8 feet in diameter, have been awarded by the Waterford Board of Directors to James Willison of Redding at a total bid of \$39,420. The two Waterford contracts were considered separately, the canal portion proper calling for 45,000 cubic yards of open excavation, and the tunnel work including 9,500 cubic yards of portal excavation. Willison's bid on the open excavation was \$15,800, on the tunnel \$23,540. Hoskins & Bagley of Turlock submitted a bid of \$29,955 on the tunnel. Tieslaus Bros. of San Francisco asked \$23,490 for the open excavation alone. A. B. Cowden of San Francisco presented figures of \$35,220 for the tunnel, and \$16,470 for the open excavation. The Tibbets-Pacific Company of San Francisco bid \$26,560 on the tunnel, and \$18,660 on the canal portion. C. H. and A. J. Gorrill of San Francisco bid only on the tunnel work—\$23,270. The other parts of the main canal construction of the Waterford District were let November 15th to W. C. Price

& Co., San Francisco, who started the work this week.

HOLTVILLE, IMPERIAL CO., CAL.—Irrigation intake, \$150,000. Engineers, Grunsky & Anderson, L. A. Owners, Holtville Irrigation District. Contractor, M. S. Goodbody, Holtville. Contract price, \$150,000.

KITTITAS, WASH.—Irrigation project, \$5,000,000. Engineer's name not given. Owners, Kittitas Irrigation District. Contractors, Twoby Bros., Portland and San Francisco. Contract price not stated.

LIBRARIES.

SACRAMENTO, CAL.—Library desks, etc. Cost not stated. Architect, Loring P. Rixford, Sharon Bldg., S. F. Owners, City of Sacramento. Bids will be opened on January 2nd at 11 a. m. for furnishing and delivering desks and chairs for the new City Library. Plans can be secured from the office of the City Clerk, Sacramento.

POST OFFICES.

BAKERSFIELD, KERN CO., CAL.—Post office, 2 story, brick and steel. Cost not stated. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids, which were to have been opened on December 21st for this work have been postponed until January 15th.

RICHFIELD, UTAH.—Post office, 1 and 2 story, brick and stone. Cost not stated. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be opened for this building on January 22nd. Plans can be secured from either the Supervising Architect or from the Custodian of the Site. An official proposal appears in another column of this issue.

IDAHO FALLS, IDAHO.—Post office, 1 and 2 story, brick and stone. Cost not stated. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. All bids received for this work have been rejected and new figures will be called for at an early date.

RAILROAD CONSTRUCTION AND EQUIPMENT

KLAMATH FALLS, ORE.—Railroad construction, \$300,000. Engineer's name not given. Owners, City of Klamath Falls. Bids are being received by the City Clerk for construction of 10.6 miles of railroad from Klamath Falls to a point near Dairy, where a junction is to be made with the proposed Oregon, California and Eastern Railroad, also known as the Strahorn Railroad. Estimated cost is \$300,000. Bids are also being received for purchase of bond issue for that amount to provide funds for construction of railroad.

Contract Awarded.

SAN DIEGO, SAN DIEGO CO., CAL.—Railroad construction, \$4,000,000. Engineer's name not given. Owners, San Diego and Arizona Railroad. Contractors, Twoby Bros., Hobart Bldg., S. F. Contract price, \$4,000,000.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, \$11,000. Architect, H. H. Gutterson, 278 Post street, S. F. Owners, St. Francis Home Building

Co. ~~Union~~ Post Santa Clara north San Anselmo. Will contain ten rooms, three baths and separate garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$8,000. Architects, Herman & Schwartz, 122 Stockton St., S. F. Owner, J. J. Guill. Location, Kensington Drive, Claremont Court. Will contain eight rooms, two baths and separate garage. Plans complete and figures being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, Ernest Hildebrand, Crocker Bldg., S. F. Owner, Ernest Hildebrand. Location, 25th avenue and Geary. Will contain seven rooms, bath and basement garage. Plans being prepared and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,500 each. Architect, none. Owner, F. Nelson, 2701 Lincoln Way, S. F. Location, west 27th avenue south Lincoln Way. Each dwelling will contain six rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$7,000. Architect, Ernest Hildebrand, Crocker Bldg., S. F. Owner, Ernest Hildebrand. Location, 25th avenue near Geary. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,000 each. Architect, none. Owner, C. H. Harger, 672 Madrid street, S. F. Location, west Madrid south France. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residences, 5, 2 story and base, frame, \$3,000 each. Architect, none. Owners Jacques Construction Co., 127 Montgomery street, S. F. Location, north Cabrillo west 21st avenue. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$1,000. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, E. V. Lacey. Location, east Pluto south Masonic. Will contain seven rooms, bath and basement garage. Plans complete and figures being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, James Welsh, 543 15th avenue, S. F. Location, east 15th avenue north Balboa. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$7,500. Architect, August G. Headman Call Post Bldg., S. F. Owner, Mrs. B. Whiteside. Location, Claremont Court. Will contain eight rooms, two baths and sleeping porches. Separate garage. Plans complete and figures being taken.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, G. H. Noble, 2220 Central avenue, Alameda. Location, 1518 Verdi. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3-

Architect none. Owner, G. Taylor, 36 Pearl street, Oakland. Location, west Grand north Greenbank. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, C. J. Pirang, 5187 Claremont avenue, Oakland. Location, north 49th street west Manila. Will contain five rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, W. S. Hurst, 5521 Taft avenue, Oakland. Location, south Wellington avenue near Everett. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame \$4,000. Architect, none. Owner, James McGuinness, 5615 East 17th street Oakland. Location, south Lakeshore avenue east Lake Park. Will contain seven rooms two baths and sleeping porch. Plans complete and work to be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residences, 4, 2 story and base, frame, \$4,000 each. Architect, none. Owner, C. M. MacGregor, 476 13th street, Oakland. Location, south Mountain west Bomadiera avenue. Each house will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

SAN MATEO, SAN MATEO CO., CAL.—Residence 2 story and base, frame, \$8,000. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owner, Mrs. F. F. Walker. Location, San Mateo Park. Will contain eight rooms, two baths and sleeping porch. Separate garage. Plans complete and figures to be called for at once.

PALO ALTO, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame, \$10,000. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owner, Mrs. Joseph Torber. Location, Palo Alto. Will contain twelve rooms, two baths and sleeping porches. Separate garage. Plans complete and figures being taken.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owners, Conn Bros, 6th and Macdonald avenue, Richmond. Location, Chanslor avenue between 13th and 14th. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, G. Taylor, 36 Pearl street, Oakland. Location, west 62nd avenue north Fortune. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, Cost not stated. Architects, Wood & Simpson, 116 Sutter street, S. F. Owner, Mrs. Clough. Location, Arlington avenue. Will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and figures being taken.

ALBANY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Mytie I.

Palmer, 3311 Maybelle avenue, Oakland. Location, west Inyo north Marin. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, W. B. Phillips, 4019 Cypress avenue, Sacramento. Location, Boyle Tract. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

Contract Awarded.

VISALIA, TULARE CO., CAL.—Residence, 2 story and base, frame, \$14,000. Architect's name not given. Owner, Dr. T. O. McSwain. Contractor, W. J. Helwig, Porterville. Contract price, \$14,000.

SCHOOLS.

ENTERPRISE, ORE.—School, 2 story and base, brick, \$80,000. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, City of Enterprise. Will contain 24 class rooms, a large auditorium and separate building to house the heating system. Plans are being prepared.

SEWERS, STREET WORK & WATER SYSTEMS.

MODESTO, STANISLAUS CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Modesto. Owners, City of Modesto. At the last meeting of the Modesto City Council, City Engineer Freitas was instructed to prepare plans and specifications for the paving of Tenth street, between L and M streets, and L street, between Ninth and Tenth. Bids will be called for on completion of the plans.

HANFORD, KINGS CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Hanford. Owners, City of Hanford. By a vote of four to one the City Trustees overruled the protests of property owners and ordered bids received upto 5 p. m. January 3rd for the paving of more than 60 blocks of streets. The paving will be of the bitulithic type on concrete, according to plans prepared by Engineer Edward Lynch of Glendale. The Trustees agreed that Douty and Irwin streets should be paved from 8th street, where the paving now ends, to the county road. Harris and Reddington streets are to be paved from Sixth to Florida street. Seventh, Ninth and Tenth streets are to be paved to the Santa Fe Railroad.

BAKERSFIELD, KERN CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans and specifications of the Kern County highway have been accepted by the Board of Supervisors and bids will be received until January 9th. One road is Division 9, Section 5, on the Bakersfield-Glennville road; the other, Division 1 of the Delano-County Line highway. Plans may be had from the County Clerk.

OROVILLE, BUTTE CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be opened on January 5th at 2 p. m. for road work on the Oroville and Bangor road in Road District No. 3 in Butte County.

COLUSA, COLUSA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Colusa. Owners, City of Colusa. Bids will be opened on January 2nd for street improvement authorized under the following resolution: That portions of Oak street and Parkhill be graded to the official grade and gravelled.

REDWOOD CITY, SAN MATEO CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. The Board of Supervisors of San Mateo County received a number of bids on December 18th for road improvement, but the bids were not opened. The reason given is that the bids were received at 5 o'clock and that the Board was not in session at that time. The bids will not be returned, but will be held until the next session of the Board on January 2nd, and then opened.

SANTA ROSA, SONOMA CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Bids will be opened on December 30th for the construction of a road between Cazadero and the mouth of Austin Creek, in Austin Permanent Road Division, in Sonoma County.

PORTLAND, ORE.—Sewer construction, \$309,312.15. Engineer, City Engineer, Portland. Owners, City of Portland. The bid of Gebisch & Joplin of Portland for the reconstruction and repair of the Tanner Creek sewer has been rejected by the City Council and new bids have been ordered called to close January 3rd. Their bid for the work was \$39,312.15. Only one other bid was submitted.

BERKELEY, ALAMEDA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on January 2nd at 10 a. m. for street improvements authorized under the following resolution: That the northern half of Snyder avenue, from a line parallel to the western line of 7th street, and distant 101 feet westerly therefrom westerly 139 feet, be graded; that a concrete curb with a combined 3-foot gutter be constructed along the curb line adjacent to the roadway thereof; that the remainder of the roadway be macadamized and surfaced with oil and rock screenings.

SAN RAFAEL, MARIN CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor, San Rafael. Owners, Marin County. Bids will be opened on January 9th at 2 p. m. for rock, blasting off outcrops, ditching and clearing that portion of the county road known as the Fairfax and Bolinas road, from the bridge at "Alpine" to the southwest boundary line of Road District No. 9, a distance of three miles, all in Road District No. 9.

SANTA ROSA, SONOMA CO., CAL.—Road scarifier. Cost not stated. Engineer, none. Owners, City of Santa Rosa. Bids will be opened on January 2nd for furnishing a scarifier. Plans can be secured from City Clerk H. B. Snyder.

Contracts Awarded.

SAN FRANCISCO—Street improvements. Cost as follows. Engineer, City Engineer, San Francisco. The following contracts for street improvements have been awarded by the San Francisco Board of Public Works: The Im-

improvement of 29th street, between Castro and Diamond streets, by the construction of granite curbs, basalt block gutters and a cobblestone pavement on the roadway thereof. Awarded to J. F. Dowling, Russ Bldg., S. F., for \$655.67.

The improvement of Irving street, between 28th and 29th avenues, by the construction of granite curbs and by the construction of an asphalt pavement consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The Federal Construction Co., Sharon Bldg., S. F., for \$212.50.

The improvement of Balboa street, between 21st and 22nd avenues, by the construction of granite curbs, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The City Street Improvement Co., 166 Geary street, S. F., for \$385.

The improvement of Edna street, between Hearst and Sunnyside avenues, by the construction of concrete curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The Federal Construction Co., Sharon Bldg., S. F., for \$1,375.31.

The improvement of Irving street, between 32nd avenue and 33rd avenue, where not already improved, by the construction of granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to The Federal Construction Co., S. F., for \$600.

The improvement of Bocana street, between Eugenia avenue, produced, and the center line of Wool street, produced, by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 33 Y branches and 3 brick manholes; center line of Bocana street from point of intersection with the center line of Wool street, produced, to the center line of Eugenia avenue, produced, by the construction of a 12-inch, vitrified, salt-glazed ironstone pipe sewer with one brick manhole. Awarded to D. L. Bienfeld, Phelan Bldg., S. F., for \$1,108.95.

The improvement of 23rd avenue, between California and Clement streets, by the construction of concrete curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to The City Street Improvement Co., 166 Geary street, S. F., for \$1,102.50.

The improvement of Harold avenue, between Ocean avenue and Grafton avenue, produced, by grading, the construction of concrete curbs, stone sidewalks; by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with 17 Y branches and 3 side sewers, and one brick manhole with cast iron frame and cover and galvanized wrought iron steps, brick catchbasins with cast iron frames, gratings and traps, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts, a 14-foot central strip of vitrified, brick pavement, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway thereof. Awarded to The Federal Construction Co., Sharon Bldg., S. F., for \$11,323.88.

The improvement of Irving street from 16th avenue to 17th avenue, by the construction of artificial stone sidewalks, concrete curbs, and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to The Fay Improvement Co., Phelan Bldg., S. F., for \$3,565.11.

The improvement of Innes avenue, between Hawes and Donahue streets, by grading, construction of granite curbs, artificial stone sidewalks; by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8, 12, 15, 18 and 21-inch, with 191 Y branches and 9 brick manholes; by the construction of brick catchbasins with cast iron frames, gratings and traps and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to The Federal Construction Co., 323 Sharon Bldg., S. F., for \$68,712.33.

OAKLAND, CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts for street improvements have been awarded under the following resolutions: That Jackson street, from 10th street to 12th street, be graded, curbed with concrete, guttered with brick gutters 14 inches wide, and paved with asphalt. Awarded to The Clark & Henery Construction Co., Oschner Bldg., Sacramento.

That a vitrified pipe sewer, having an internal diameter of 8 inches, be constructed along East 11th street, from 8th avenue to a point distant 210 feet southeast therefrom, measured along said center line of East 11th street; also that a brick manhole with cast iron top be constructed at the northwest end of said sewer; also that a vitrified pipe lamp hole with top of brick and cast iron be constructed at the southeast end of said sewer; also that Y branches with 5-inch openings be constructed on said sewer so as to provide one such branch for each 25-foot lot and fractional lot remaining into which the abutting property frontage is capable of being divided. Awarded to M. P. Cambiar, 1044 91st avenue, Oakland.

YUBA CITY, SUTTER CO., CAL.—Street improvements. Cost as follows. Engineer, Cit Engineer, City Engineer, Engineer, City Engineer, Yuba City. Owners, Yuba City. Bids received by the Town Trustees at their last meeting for constructing curbing and gutters on Plumas street, from Bridge street to B street, and the contract awarded to I. N. Rodefer of Yuba City. His bid was the lowest at 31 cents per linear foot. There is approximately 2,041 linear feet of curbs and gutters. There were two other bids: G. M. Baumgardner of Yuba City bid 39 cents per linear foot and Perlano & Curry of Marysville 45 cents per linear foot. The three bids submitted were on the agreement that the city would furnish the sand and gravel and the contractor the cement.

NAPA, NAPA CO., CAL.—Road improvement, \$1,497.90. Engineer, County Surveyor, Napa. Owners, Napa County. Contractor, Andrew R. Sittig, Napa. Contract price \$1,497.90.

STORES AND OFFICES.

SAN FRANCISCO—Store addition, 1 story, Class A construction. Cost not stated. Architect, Frederick H. Meyer, Bankers Investment Bldg., S. F. Owners, Bankers Investment Co. Location, north Market west Kearny. A lease is now pending between the Bankers Investment Co. and the Western Union Telegraph Co. If this is consummated an additional story will be built on the four-story Bankers Investment Building. Further mention will be made of the work.

EASTON, SAN MATEO CO., CAL.—Stores, 1 story, brick, \$10,000. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owner, C. S. Crary. Will contain a number of small stores. Plans are complete and figures will be called for shortly.

Contract Awarded.

SAN FRANCISCO—Department store, 2 story and base, brick and steel, \$67,000. Architect, none. Owners, Commercial Center Realty Co. Location, northwest Mission and 24th streets. Contractor, R. W. Moller, Call-Post Bldg., S. F. Contract price, \$67,000.

THEATRES.

SAN FRANCISCO—Theatre alteration, 1 story and balcony. Class C construction. Cost not stated. Architect, August G. Headman Call-Post Bldg., S. F. Owner's name not given. Work will consist of making such alterations as will convert the building into a Class A structure, and provide for constructing a gallery and enlarging the seating capacity. Plans are being prepared.

SEALED PROPOSALS

ONE DEC 21

HOYT PROPOSALS FOR CANAL SUPPLIES.

posals for Crane, Chain, Rivets, Drills, PANAMA CIRCULAR 1107 — Protram Nails, Dies, Chisels, Cutters, Saws, Red Springs, Water Gauges, Whistles, Lamps, Grease Cups, Electric Hair Drier, Daubers, Ignition Cable, Automatic Tires, Tender Hose, Paints, Graphite, Lamsed Oil, Harmed Oil, Ammonia, Turpentine Substitute, Sulphur, Paper, Pencils, Paper Towels, Paper Fasteners and Tie Plugs.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. January 2, 1917, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1107) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. EARL I. BROWN, major corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR SALE OF MATERIAL

SALE.—Proposals for the Purchase of Spare Parts for Rock Crusher, Including Screen and Incomplete Conveyors.—Sealed proposals will be received at the office of the assistant purchasing agent, the Panama Canal, 24 State street, New York City, until 2 p. m. January 3, 1917, at which time they will be opened in public, for purchasing the above mentioned material. Blanks and general information relating to this sale may be obtained from the above office. R. B. RUTHERFORD, assistant purchasing agent.

PROPOSALS FOR SHELVING

SHELVING.—Treasury Department, Office Supervising Architect, Washington, D. C.—Sealed proposals will be received here until December 12, 1916, for

installing metal vault shelving in the U. S. public building at Everett, Wash. For further information address the supervising architect.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, January 16, 1917, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of "Open Air Cottages," Agnews State Hospital, Agnew, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms provided and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of engineering and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Open Air Cottages,' Agnews State Hospital, Agnew, California." (SIGNED) W. F. McCLURE, State Engineer. (*)

SEVEN DEC 22 THOYT NOTICE CALLING FOR BIDS, 500 Feet of Fire Hose.

In obedience to the order of the Council of the City of Santa Rosa, Cal., made December 5, 1916, notice is hereby given that sealed bids will be received by the undersigned, City Clerk of said city for 500 feet of two and one-half inch rubber-lined and double-jacketed fire hose, "Pacific Coast Standard," i. o. b., Santa Rosa.

All bids must be accompanied by sample.

All bids to be delivered to the City Clerk on or before the hour of five o'clock p. m., January 2, 1917.

Bids to be accompanied by a certified check, payable to the Mayor of the said city for ten per cent of the bid.

The right to reject any and all bids is reserved. By order of the Council, December 14, 1916.

H. B. SNYDER,
City Clerk of the City of Santa Rosa, California.

NOTICE CALLING FOR BIDS On Scarifier.

In obedience to the order of the Council of the City of Santa Rosa, Cal., made December 19, 1916, notice is hereby given that sealed bids will be received by the undersigned, City Clerk of said city, for a scarifier.

Bids will be received until the hour of 5 o'clock p. m., January 2, 1917.

Bids to be accompanied by a certified check, made payable to the Mayor of the City of Santa Rosa, for ten per cent of the bid.

The Council reserves the right to reject any and all bids. By order of the Council of the City of Santa Rosa, Cal.

H. B. SNYDER, City Clerk.

PROPOSALS FOR S. F. M. SUPPLIES

SAN FRANCISCO M. NO. 143.—Office of the Depot Quartermaster, Port Mason, San Francisco, Cal.—Sealed proposals will be received here until December 26, 1916, under circular 143 for furnishing 25,000 pounds ammonia, 400 barrels, 35,000 pounds grate bars, 600 dry batteries, 2,000 packing boxes, 2,000 do, 200 yards velvet carpet, 50 barrels Portland cement, 30,000 pounds cottonwood excelsior, 500 brass pipe fittings, 3,000 standard pipe fittings, 200,000 pounds ice, 50 barrels lime, 6-

000 feet wrought pipe, 3,000 feet steel wire rope, 200 pounds, soft pure gum rubber, 500 sacks sawdust, 200 gallons bituminous solution, 1,000 rubber stamps, 50 brass angle valves, 20 brass check valves, 12 do, 100 brass globe valves, 500 pounds rubber valves and 500 gauge glass washers. For further information address JOHN T. KNIGHT, colonel, quartermaster corps, depot quartermaster.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 1106.—Proposals for Galvanized Steel, Spring Steel, Bucket Links, Rivets, Bolts, Nails, Tracks, Poultry Netting, Pipe Straps, Electric Cable and Wire, Steel Conduit and Fittings, Electrical Fittings, Electric Meters, Electric Fans, Telegraphs, Slate Slabs, Insulating Tape, Spark Plugs, Fire Extinguishers, Tally Registers, Hawsing Beetles, Rubber Boots, Leather, Glue, Manganese, Di-o-xide, Wrapping Paper, Blueprint Paper, Lumber and Fuel. Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until December 27, 1916, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 1106) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: San Francisco, Los Angeles, Cal. EARL I. BROWN, major, corps of engineers, U. S. army, general purchasing officer.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 9, 1916.—SEALED PROPOSALS will be opened in this office at 12 o'clock, noon, January 22, 1917, for the construction, complete, of the United States Post Office at Richfield, Utah. Drawings and specifications may be obtained from the custodian of the site at Richfield, Utah, or from the office, in the discretion of the Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect. (*)

LAND CORPORATION FORMED.

MARTINEZ, Cal.—Six Contra Costa land companies, most of which are located at Richmond, have been merged into a \$1,000,000 land corporation by Benjamin Schapiro of Richmond. They include the Martinez Land Company, East Richmond Land Company, Downer Land Company, Schapiro Land Company, Queen Land Company and San Pablo Land Company.

Officers of the new concern are B. Schapiro, R. R. Veale, J. E. Bouquet, F. E. Cascioni, H. A. Johnston, E. M. Downer and E. B. Armstrong.

The concern will have its principal place of business at Richmond.

CORPORATION NEWS.

Commissioner of Corporations H. L. Carnahan has granted a permit to the Imperial Cotton Machinery Company authorizing it to issue \$150,000 par value of its common stock to Thomas R. Gabel and Hall H. Holdaway in exchange for an invention relating to a cotton picking machine operated by a gasoline engine and United States letters patent thereon, for which an application is now pending in the United States Patent Office, and \$49,995 par value of its preferred shares for cash, or in installments. The permit has full recitals relating to the company's pending application for letters patent and requires that all shares issued to Gabel and Holdaway shall be deposited in escrow until the further order of the Commissioner.

Newport Glass Company has been permitted by Commissioner Carnahan to issue \$20,000 par value of its common shares to C. E. Norton in exchange for all the property and assets formerly owned by the Branigan Glass Manufacturing Co., now bankrupt, to sell \$10,000 par value of its common shares to C. E. Norton at \$5 per share, for cash, and thereafter to sell \$20,000 par value of its preferred shares at \$8.50 per share. All shares issued in exchange for the assets of the Branigan Company are required to be deposited in escrow until the further order of the Commissioner.

United Grizzly Ridge Mining Company has been permitted to issue \$75,000 of its shares at the par value of 25c per share, for cash. The mining property of this company is located in the Columbia Hill Mining District of Nevada County and consists of a group of nine unpatented quartz mining claims.

Lichtenberger-Ferguson Company, Los Angeles, is permitted to sell and issue 2495 shares to Los Angeles Sadlery & Finding Company in exchange for its property and assets.

ENGINEER SEEKS GREATER POWER

Annual Report Makes Suggestions Concerning Dam Construction.

SACRAMENTO, Cal.—Changes in the law to extend the state's power and give it broader supervision for the protection of the public, over the construction of power and irrigation dams, are included in recommendations made by the state department of engineering in its biennial report. The suggestion is made that the power of the state engineer be increased so that his decision will be binding with regard to plans for the formation of irrigation districts.

State Engineer W. S. McClure also recommends in the report that the act creating the Sierra State road in Sierra county be repealed because the road construction and upkeep there, owing to their impracticability, are liabilities and not assets to the state. With regard to dam construction, the report says:

It should be made unlawful to erect a dam unless the plans therefor be approved by the department of engineering, or to maintain a dam that is found defective or dangerous, until measures satisfactory to the department have been taken to make it safe.

Authority to keep representatives of the department doing construction or repairs affecting safety is asked. Whether a project be submitted to a state reclamation board, flood control commission or other body, all engineering service required by the state in connection with it should be done by the department of engineering, according to McClure.

Other recommendations are a law permitting consolidation of irrigation districts and an appropriation of \$10,000 to enable the department to make measurements and studies of snow storage.

ADVANCE CONSTRUCTION NEWS.

Classified According to Location.

SAN FRANCISCO.

RESIDENCE—2 story and base, frame, \$11,000. San Francisco. Architect, H. H. Gutterson, 278 Post street, S. F. Owners, St. Francis Home Building Co. Location, east Santa Clara north San Anselmo. Will contain ten rooms, three baths and separate garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$8,000. San Francisco. Architects, Heiman & Schwartz, 212 Stockton street, S. F. Owner, J. J. Guill. Location, Kensington Drive, Claremont Court. Will contain eight rooms, two baths and separate garage. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco. Architect, Ernest Hildebrand, Crocker Bldg., S. F. Owner, Ernest Hildebrand. Location, 25th avenue and Geary. Will contain seven rooms, bath and basement garage. Plans being prepared and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, F. Nelson, 2701 Lincoln Way, S. F. Location, west 27th avenue south Lincoln Way. Each dwelling will contain six rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$7,000. San Francisco. Architect, Ernest Hildebrand, Crocker Bldg., S. F. Owner Ernest Hildebrand. Location, 25th avenue near Geary. Will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$2,000 each. San Francisco. Architect, none. Owner, C. H. Harger, 672 Madrid street, S. F. Location, west Madrid south France. Each house will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCES—3, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owners, Jacques Construction Co., 127 Montgomery street, S. F. Location, north Cabrillo west 21st avenue. Each dwelling will contain seven rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$4,000. San Francisco. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, E. V. Lacey. Location, east Pluto south Masonic. Will contain seven rooms bath and basement garage. Plans complete and figures being taken.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, James Welsh, 543 18th avenue, S. F. Location, east 18th avenue north Balboa. Will contain five rooms, bath and basement garage. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—6 story and base, steel and brick, \$100,000. San

Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. Location, northwest Eddy and Hyde, covering an area of 75 by 87½ feet. Will contain garage on the first floor and 90 rooms arranged in suites of one, two and three rooms. Plans complete and figures to be called for shortly.

APARTMENT HOUSE—3 story and base, frame, \$22,500. San Francisco. Architect, J. P. F. Dunn, Monadnock Bldg., S. F. Owner, Mrs. Wilson. Location, Pine near Leavenworth. Will contain a number of two and three room apartments. Plans being prepared.

FACTORY ADDITION—1 story, reinforced concrete. Cost not stated. San Francisco. Architect, Milton Lichtenstein, 111 Ellis street, S. F. Owners, S. and G. Gump Co. Location, Clay near Stockton. New addition will afford an additional 4,800 square feet of floor space. Plans complete and figures to be called for after the first of the year.

FACTORY ADDITION—Steel and concrete, \$30,000. San Francisco. Engineer, N. M. Looney, New York City. Owners, American Can Co. Mills Bldg., S. F. Location, south 19th street and Treat avenue. Work will consist of driving 90-foot piles, concrete work, structural steel and concrete bases. Plans complete and figures being taken.

GARAGE AND MACHINE SHOP—1 and 2 story, brick and steel. Cost not stated. San Francisco. Architects, Heiman & Swartz, 212 Stockton street, S. F. Owner, L. A. Myers. Location, northeast Pine and Franklin streets, covering an area of 68 feet 9 inches by 137½ feet. This is the other half of a building which is to cover a full Fifty Vara lot at this corner. Plans are being prepared.

STORE ADDITION—1 story, Class A construction. Cost not stated. San Francisco. Architect, Frederick H. Meyer, Bankers Investment Bldg., S. F. Owners, Bankers Investment Co. Location, north Market near Kearny. A lease is now pending between the Bankers Investment Co. and the Western Union Telegraph Co. If this is consummated an additional story will be built on the four story Bankers Investment Building. Further mention will be made of the work.

GARAGE AND SALES ROOMS—2 story and base, brick and steel. Cost not stated. San Francisco. Architect, August Nordin, Mills Bldg., S. F. Owner, L. A. Myers. Location, northeast Pine and Franklin streets, covering an area of 69 feet 9 inches by 137½ feet. Plans being prepared.

HOTEL—3 story and base, brick. Cost not stated. San Francisco. Architect, Milton Lichtenstein, 111 Ellis street S. F. Owners, Madison and Burke. Location, Clay near Powell street. Will contain 24 rooms and three baths. Plans being prepared.

POST OFFICE—1 and 2 story, brick and stone. Cost not stated. Idaho Falls, Idaho. Architect, Supervising

Architect, Washington, D. C. Owners, United States Government. All bids received for this work have been rejected and new figures will be called for at an early date.

THEATRE ALTERATIONS—1 story and balcony. Class C construction. Cost not stated. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owner's name not given. Work will consist of making such alterations as will convert the building into a Class A structure, and provide for constructing a gallery and enlarging the seating capacity. Plans are being prepared.

San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, J. Allee Cleaning and Dyeing Works. Location, 2164 Polson street, covering an area of 25 by 120 feet. Plans are being prepared.

GARAGE AND MACHINE SHOP—1 story and base, reinforced concrete, \$17,500. San Francisco. Architect, August G. Headman, Call-Post Bldg., S. F. Owners, Gibecke and Kuner Estates. Location, southeast corner of Golden Gate avenue and Gough street. Will contain a number of small repair shops and a garage. Plans complete and figures being taken.

POST OFFICE—1 and 2 story, brick and stone. Cost not stated. Richfield, Utah. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids will be opened for this building on January 22nd. Plans can be secured from either the Supervising Architect or from the custodian of the site. An official proposal appears in another column of this issue.

GARAGE—1 and 2 story and base, reinforced concrete. Cost not stated.

Contract Awarded.

STREET IMPROVEMENTS—Cost as follows. San Francisco. Engineer, City Engineer, San Francisco. The following contracts for street improvements have been awarded by the San Francisco Board of Public Works: The improvement of 29th street, between Castro and Diamond streets, by the construction of granite curbs; basal block gutters and cobblestone pavement on the roadway thereof. Awarded to J. P. Dowling, Russ Bldg., S. F., for \$655.-67.

The improvement of Irving street, between 28th and 29th avenues, by the construction of granite curbs and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to the Federal Construction Co., Sharon Bldg., for \$212.50.

The improvement of Balboa street, between 21st and 22nd avenues, by the construction of granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The City Street Improvement Co., 166 Geary St., S. F., for \$385.

The improvement of Edna street, between Hearst and Sunnyside avenues, by the construction of concrete curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the roadway thereof. Awarded to The Federal Construction Co., Sharon Bldg., S. F., for \$1,375.31.

The improvement of Irving street, between 32nd avenue and 33rd avenue, where not already improved, by the construction of granite curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to The Federal Construction Co., S. F., for \$600.

The improvement of Bocana street, between Eugenia avenue, produced, and the center line of Wool street, produced, by the construction of an 8-inch, vitrified, salt-glazed, ironstone pipe sewer with 33 Y branches and 3 brick manholes; center line of Bocana street from point of intersection with the center line of Wool street, produced, to the center line of Eugenia avenue, produced, by the construction of a 12-inch, vitrified, salt-glazed, ironstone pipe sewer with one brick manhole. Awarded to D. L. Bienfield, Phelan Bldg., S. F., for \$1,108.95.

The improvement of 23rd avenue, between California and Clement streets, by the construction of concrete curbs and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to the City Street Improvement Co., 166 Geary street, S. F., for \$1,102.50.

The improvement of Harold avenue, between Ocean avenue and Grafton avenue, produced, by grading, the construction of concrete curbs, stone sidewalks; by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8 and 12-inch with 17 Y branches and three side sewers, and one brick manhole with cast iron frame and cover and galvanized wrought iron steps, brick catchbasins with cast iron frames, gratings and traps, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; a 14-foot central strip of vitrified brick pavement, and by the construction of an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface on the remainder of the roadway thereof. Awarded to The Federal Construction Co., Sharon Bldg., S. F., for \$11,328.88.

The improvement of Irving street, from 16th avenue to 17th avenue, by the construction of artificial stone sidewalks, concrete curbs; and an asphalt pavement, consisting of a 6-inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to The Fay Improvement Co., Phelan Bldg., S. F., for \$5,565.44.

The improvement of Innes avenue, between Ilaves and Donahue street, by grading, construction of granite curbs, artificial stone sidewalks; by the construction of the following vitrified, salt-glazed, ironstone pipe sewers and appurtenances: 8, 12, 15, 18 and 21-inch with 191 Y branches and 9 brick manholes; by the construction of brick catchbasins with cast iron frames, gratings, and traps, and 10-inch, vitrified, salt-glazed, ironstone pipe culverts; and by the construction of an asphalt pavement, consisting of a 6-

inch concrete foundation and a 2-inch asphaltic wearing surface. Awarded to The Federal Construction Co., 323 Sharon Bldg., S. F., for \$68,742.35.

DEPARTMENT STORE—2 story and hase, brick and steel, \$67,000. San Francisco. Architect, none. Owners, Commercial Center Realty Co. Location, northwest Mission and 24th Sts. Contractor, R. W. Moller, Call-Pest Bldg., S. F. Contract price, \$67,000.

Building Contracts Awarded.

SAN FRANCISCO.

No.	Owner	Contractor	Am't.
3593	Neil	Neil	1800
3597	Same	Same	1800
3598	Niemela	Niemela	5000
3599	Grant	Mahony	450
3600	Roots	Federal	500
3601	Alyne	Bos	4500
3602	Stark	Zane	400
3603	Berg	Montgomery	400
3604	Keenan	Keenan	3000
3605	Langley	Pac Fire Ex	7200
3606	Same	Dalziel	2300
3607	Same	Otis Elevator	4455
3608	Same	Cal Elec	3100
3609	Franks	Bryant	5810
3610	Olari	Devon	2000
3612	Rouillot	Pehnemann	2000
3613	Brugge	Bixen	3300
3614	O'Neill	Callaghan	1000
3615	Pac Box	Fettry, Pattin	400
3616	Tracy	Hamill	2500
3617	Myers	Dillon	1798
3618	Jacques	Jacques	3000
3619	Same	Same	3000
3620	Same	Same	3000
3621	Same	Same	3000
3622	Same	Same	3000
3623	Strong	Strong	500
3624	Willys	Novelty	1000
3625	Silviera	Allen	500
3626	Kalash	Kalash	400
3627	Schloss	Bos	1000
3628	Beardsley	Ferguson	500
3629	Harger	Harger	1500
3630	Same	Same	1500
3631	Higgins	McSheehy	2500
3633	Von Hussen	Von Hussen	4500
3634	Muller	Stockholm	1000
3635	O'Connor	Kenealy	400
3636	Novelty	Novelty Elec	400
3637	Blanis	Vias	400
3638	Mannix	Peterson	675
3639	Lacy	Steur	4000
3640	Nelson	Buckman	1000
3641	Nichols	Pierston	2360
3642	Higgins	McSheehy	4350
3643	Nelson	Nelson	2500
3644	Same	Same	2500
3645	Standard Oil	Owner	750
3646	Armstrong	Edwards	400
3647	Schnaittacher	Owner	400
3648	Tahrett	Pierston	750
3649	Archer	Archer	400
3650	St. Francis Bldg.	Owner	11000
3651	Wilson	Gradin	3700
3652	Same	Knowles	12778
3653	Same	Turner	9300
3654	Same	Nat'l Elec	5100
3655	Same	Henderson	53250
3656	Craigie	McDiarmid	2250
3657	Gilmour	Lacey	4500

FRAME RESIDENCE

(3596) W FORTY-FOURTH AVE 250
S Judah. One and one-half-story and
basement frame residence.
Owner.....Neil Bros., 4221 Moraga,
San Francisco.
Architect...None.
Day's work. COST, \$1800

FRAME RESIDENCE

(3597) W FORTY-FOURTH AVE 225
S Judah. One and one-half-story and
basement frame residence.
Owner.....Neil Bros., 4221 Moraga,
San Francisco.
Architect...None.
Day's work. COST, \$1800

FRAME FLATS

(3598) N CARRILLO 57 1/2 W Ninth
Ave. Three-story and basement
frame (2) flats.

Owner.....J. S. Niemela, 74 Lansing,
San Francisco.

Architect...None.
Day's work. COST, \$5000

ALTERATIONS

(3599) NO. 15 SEVENTH. Alter stores
Owner.....J. D. Grant, 117 Sansome,
San Francisco.
Architect...None.
Contractor..Mahony Bros., Crocker
Bldg., San Francisco.
COST, \$450

ELECTRIC SIGN

(3600) NE MARKET AND STOCKTON.
Electric sign.
Owner.....Roos Bros., Premises.
Architect...None.
Contractor..Federal Sign System Elec.
618 Mission, San Francisco.
COST, \$500

UNDERPINNING

(3601) S CALIFORNIA 170 E Van
Ness Ave. Underpinning.
Owner.....Alyne Estate, Care Reid
Bros., Architects.
Architect...None.
Contractor..Geo. A. Bos, Hearst Bldg.,
San Francisco.
COST, \$450

ALTERATIONS

(3602) NO. 987 MARKET. Replace
wood work in store.
Owner.....R. Stark, Premises.
Architect...None.
Contractor..W. B. Zane, 114 Russ,
San Francisco.
COST, \$400

REPAIRS

(3603) NO. 221 MASON. Repair hotel.
Owner.....Berg Hotel, Premises.
Architect...T. P. Ross, 310 California,
San Francisco.
Contractor..E. J. Montgomery, 1320
Broadway, San Francisco.
COST, \$400

(3606) HEATING AND VENTILATING

systems on above.
Contractor..Roberts Dalziel Jr., 218 1st,
San Francisco.
Filed Dec. 16, '16. Dated Nov. 16, '16.
Payments same as above.....

TOTAL COST, \$2596
Bond, \$1448. Surety, Hartford Acci-
dent & Indemnity Co. Limit, 150 days.
Forfeit, \$30. Plans and specifications
filed.

(3607) ELECTRIC AND HYDRAULIC

elevators on above.
Contractor..Otis Elevator Co., Beach &
Stockton, San Francisco.
Filed Dec. 16, '16. Dated Nov. 16, '16.
Payments same as above.....

TOTAL COST, \$4455
Bond, none. Limit, 150 days. Forfeit,
\$29. Plans and specifications filed.

(3608) PLUMBING, ETC., ON ABOVE.

Contractor..Frederick W. Snook Co.,
596 Clay, San Francisco.
Filed Dec. 16, '16. Dated Nov. 16, '16.
Payments same as above.....

TOTAL COST, \$2364
Bond, \$1182. Surety, The Aetna Acci-
dent & Liability Co. Limit, 150 days.
Forfeit, \$20. Plans and specifications
filed.

(3569) ELECTRIC WORK ON ABOVE.
Contractor..California Elec. Constr. Co.
641 Mission, San Francisco
Filed Dec. 16, '16. Dated Nov. 16, '16.
Payments same as above.....
TOTAL COST, \$3100
Bond, \$1550. Surety, National Surety
Co. Limit, 150 days. Forfeit, \$30. Plans
and specifications filed.

FRAME STORE AND FLATS

(3610) S SIXTEENTH 76 E Capp E 26
xS 75. All work for three-story frame
building (store and flats).
Owner.....E. D. Swift and Edward F.
Franks, 1332 Mission, S. F.
Architect...None.
Contractor..Arthur W. Bryant, 1247
9th Ave., San Francisco.
Filed Dec. 16, '16. Dated Dec. 9, '16.
Frame up\$1402.50
Brown coated 1402.50
Completed 1402.50
Usual 35 days 1402.50
TOTAL COST, \$5610.00
Bond, \$2800. Sureties, J. E. Clark and
T. Gairford. Limit, 120 days from
Dec. 11. Forfeit, \$5. Plans and speci-
fications, none.

ALTERATIONS

(3511) NO. 422 VALLEJO. Alter and
add to two-story frame (2) flats.
Owner.....G. Olari, 420 Vallejo, S. F.
Architect...J. Devenenzi, 1069 Union,
San Francisco.
Contractor..Devenenzi Bros., 1069
Union, San Francisco.
COST, \$2000

FRAME DWELLING

(3612) S ROLPH 50 W Curtis. One
and one-half-story and basement
frame dwelling.
Owner.....Mary R. Rouillot, San Jose.
Architect...None.
Contractor..Benjamin Fehnmann, 224
Brighton Ave., S. F.
COST, \$2000

FRAME FLATS

(3613) NE FIFTH AVE AND ANZA.
Two-story and basement frame (2)
flats.
Owner.....Edward G. Brugge, 2249
Clement, San Francisco.
Architect...None.
Contractor..James Bixen, Daly City.
COST, \$3300

REPAIRS

(3614) NOS. 2631-33 ANZA. General
repairs for residence.
Owner.....Jas. J. O'Neill, 337 Par-
nassus Ave., S. F.
Architect...None.
Contractor..Callaghan Bros., 900 Clay-
ton, San Francisco.
COST, \$1000

REPAIRS

(3615) S BEACH 50 E Taylor. Cor-
rugated iron roof (fire damage).
Owner.....Pacific Box Factory, Beach
and Taylor, San Francisco.
Architect...None.
Contractor..John Pattinson, Berkeley.
COST, \$600

FRAME COTTAGE

(3616) E TWENTY-SIXTH AVE 125 N
Balboa N 25x E 120 O L 308. All work
except plumbing fixtures for one-
story and basement frame cottage.
Owner.....Miss A. E. Tracey.
Architect...None.

Contractor..Thos. Hamill, 5535 Geary,
San Francisco.
Filed Dec. 18, '16. Dated Dec. 18, '16.
Rough frame up and roof on....\$650
Brown coated 650
Completed and accepted..... 650
Usual 35 days..... 650
TOTAL COST, \$2600
Bond, none. Limit, 90 days.. Forfeit,
none. Plans and specifications filed.

GRADING, ETC.

(3617) NE PINE AND FRANKLIN
137-6 on Pine and 137-6 on Franklin.
Grading, bulkheading, back filling,
etc., for building.
Owner.....L. A. Myers.
Architect...None.
Contractor..The Dillon Teaming Co.
Filed Dec. 18, '16. Dated Dec. 9, '16.
Work 5% completed.....\$675
On completion 675
Usual 35 days 448
TOTAL COST, \$1798
Bond, \$899. Surety, Fidelity & Deposit
Co. of Maryland. Limit, 25 days. For-
feit, plans and specifications, none.

3631 AlcamoNeish 1200
FRAME RESIDENCE
(3618) N CARRILLO 32-6 W 21st Ave.
Two-story and basement frame resi-
dence.
Owner.....Jacques Constr. Co., 127
Montgomery, S. F.
Architect...None.
Day's work.....COST, \$3000
Plans and specifications filed Dec.
12, 1916.

FRAME RESIDENCE

(3619) N CARRILLO 57-6 W 21st Ave.
Two-story and basement frame resi-
dence.
Owner.....Jacques Constr. Co., 127
Montgomery, S. F.
Architect...None.
Day's work.....COST, \$3000
Plans and specifications filed Dec.
12, 1916.

FRAME RESIDENCE

(3620) N CARRILLO 107-6 W 21st Ave.
Two-story and basement frame resi-
dence.
Owner.....Jacques Constr. Co., 127
Montgomery, S. F.
Architect...None.
Day's work.....COST, \$3000
Plans and specifications filed Dec.
12, 1916.

FRAME RESIDENCE

(3621) N CARRILLO 157-6 W 21st Ave.
Two-story and basement frame resi-
dence.
Owner.....Jacques Constr. Co., 127
Montgomery, S. F.
Architect...None.
Day's work.....COST, \$3000
Plans and specifications filed Dec.
12, 1916.

FRAME RESIDENCE

(3622) N CARRILLO 132-6 W 21st Ave.
Two-story and basement frame resi-
dence.
Owner.....Jacques Constr. Co., 127
Montgomery, S. F.
Architect...None.
Day's work.....COST, \$3000
Plans and specifications filed Dec.
12, 1916.

FRAME DWELLING

(3623) W MADRID 275 S France. One-
story and basement frame dwelling.

Owner.....J. C. Strong, 667 Paris,
San Francisco.
Architect...None.
Day's work.....COST \$500
SIGN
(3624) SW RUSH AND VAN NESS.
Electric sign.
Owner.....Willy's Overland.
Architect...None.
Contractor..Novelty Elec. Sign Co., 165
Eddy, San Francisco.
COST, \$1000

FINISHING WORK

(3625) W WOOD 325 N Geary. Finish-
ing work on dwelling.
Owner.....Manuel Silveira 25 Wood,
San Francisco.
Architect...None.
Contractor..L. L. Allen, 4525 "M," S. F.
COST, \$500

FRAME DWELLING

(3626) N WAWONA 90 W 24th. One-
story and basement frame dwelling.
Owner.....A. Kalasch, 71½ Brady,
San Francisco.
Architect...None.
Day's work.....COST, \$400

UNDERPIN, ETC.

(3627) E VAN NESS AVE 70 S Califor-
nia. Underpin and erect bulkhead.
Owner.....Louis Schloss.
Architect...None.
Contractor..G. A. Bos, Hearst Bldg.,
San Francisco.
COST, \$400

FRAME RESIDENCE

(3628) NOS. 2649-51 STEINER. Alter
residence.
Owner.....E. F. Beardsley, 2649 Stei-
ner, San Francisco.
Architect...None.
Contractor..Ferguson & Son, 1739
Union, San Francisco.
COST, \$500

FRAME DWELLING

(3629) W MADRID 25 S France. One-
story and basement frame dwelling.
Owner.....C. H. Harger, 672 Madrid,
San Francisco.
Architect...None.
Day's work.....COST, \$1500

FRAME DWELLING

(3630) W MADRID 50 S France. One-
story and basement frame dwelling.
Owner.....C. H. Harger, 672 Madrid,
San Francisco.
Architect...None.
Day's work.....COST, \$1500

COTTAGE

(3631) W DE HARO 200 S 18th 25x
138.15 and 102.1½. All work for one
story and basement cottage.
Owner.....Mario Alcamo, 461-A Chest-
nut, San Francisco.

Plans by Contractor.

Contractor..Neish Bros., 1593 Thomas
Ave., San Francisco.
Filed Dec. 19, '16. Dated Dec. 13, '16.
On 1st and 15th of each month... 75%
Usual 35 days.....Balance
TOTAL COST, \$1290
Bond, none. Limit, 50 days. Forfeit,
\$1. Plans and specifications, none.

ADDITION

(3632) E SIXTH 225 S Harrison. Ad-
dition to lumber shed.
Owner.....Higgins Lumber Co., 423
6th, San Francisco.

Architect...None.
Contractor...McSheehy Bros., 73 Lang-
ton, San Francisco.
COST, \$2500

FRAME STORES

(3623) SE STANYAN & PARNASSUS.
One-story frame stores.
Owner.....John Von Husen, 1101
Stanyan, San Francisco.
Architect...Albert W. Burgren, 30
Woodland Ave., S. F.
Day's work. COST, \$4500
NOTE:—Job nearly completed.

PLATFORM

(3634) NO. 3001 PACIFIC. Erect tem-
porary platform.
Owner.....C. O. Muller, Premises.
Architect...None.
Contractor...Stockholm & Allyn, Mo-
nadnock Bldg., S. F.
COST, \$1000

UNDERPIN

(3635) NO. 51 PIERCE. Underpin,
grade basement, etc.
Owner.....J. J. O'Connor, Premises.
Architect...None.
Contractor...H. J. Keneally, 455 Utah,
San Francisco.
COST, \$400

SIGN

(3636) N McALLISTER near Leaven-
worth. Electric sign.
Owner.....Savoy Theatre, Premises.
Architect...None.
Contractor...Novelty Elec. Sign Co., 165
Eddy, San Francisco.
COST, \$400

ALTERATIONS

(3637) NO. 20 ELLIS. Alter restau-
rant.
Owner.....G. Blanis, Premises.
Architect...None.
Contractor...G. Vlas, 351 3rd, S. F.
COST, \$400

REPAIRS

(3638) NO. 1711 POST. Repair fire
damage.
Owner.....Thos. Mannix Est., 1750
Steiner, San Francisco.
Architect...None.
Contractor...Pettersen & Persson, 62
Post, San Francisco.
COST, \$675

FRAME RESIDENCE

(3639) E PLUTO 62 S Masonic Ave.
All work for two-story frame resi-
dence.
Owner.....E. V. Lacy, 1234 Dolores,
San Francisco.
Architect...C. O. Clausen, Hearst
Bldg., San Francisco.
Contractor...Jac. Steur, 1465 O'Farrell,
San Francisco.
Filed Dec. 20, '16. Dated Dec. 20, '16.
4 payments of \$1000 each.....
TOTAL COST, \$4000
Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

STREET WORK

(3640) S TARAVAL and W boundary
line San Miguel Ranch, containing
49.824 acres m or l. All work for
street work.
Owner.....Fernando Nelson, 2701
Lincoln Way, S. F.
Engineer...Sanborn & Corinson, Char-
leston Bldg., S. F.
Contractor...A. E. Buckman, 62 Post,
San Francisco.

Filed Dec. 20, '16. Dated Dec. 19, '16.
60% on 1st of each month on work
done on upper or sandy portion...
75% on work done on lower portion
consisting of loam and clay.....
Usual 35 days.....Balance
TOTAL COST, 17 cts. per cubic yard
Bond, none. Limit, Sept. 1, 1917. For-
feit, none. Plans and specifications
filed.

FRAME DWELLING

(3641) NW FOLSOM 24-6 NE Moss NE
35xNW 80. Carpentry, plumbing,
plastering, roofing, etc., for two-story
frame dwelling.
Owner.....Josie M. Nichols, Edw.
Stephenson, Monadnock
Bldg., S. F.
Architect...Foulkes & Hildebrand,
Crocker Bldg., S. F.
Contractor...N. B. Pierson, 37 Lyon,
San Francisco.

Filed Dec. 21, '16. Dated Dec. 16, '16.
Enclosed and roof on.....\$590
Brown coated 590
Completed and accepted..... 590
Usual 35 days..... 590
TOTAL COST, \$2360
Bond, none. Limit, 80 days. Forfeit,
none. Plans and specifications filed.

ADDITION

(3642) E SIXTH 225 S Harrison E 160
xS 50. All work for addition to lum-
ber shed.
Owner.....J. E. Higgins Lumber Co.,
423 to 439 6th, S. F.
Architect...None.
Contractor...McSheehy Bros., 73 Lang-
ton, San Francisco.

Filed Dec. 21, '16. Dated Dec. 11, '16.
Frame up\$1000
Enclosed 1000
Finished 1250
Usual 35 days..... 1100
TOTAL COST, \$4350
Bond, none. Limit, 30 days from Dec.
15. Forfeit, none. Plans and specifica-
tions filed.

FRAME DWELLING

(3643) E HILLWAY 30 S Carl. Two-
story and basement frame dwelling.
Owner.....F. Nelson, 2701 Lincoln
Way, San Francisco.
Architect...None.
Day's work. COST, \$2300

FRAME DWELLING

(3644) W TWENTY-SEVENTH AVE
275 S Lincoln Way. Two-story and
basement frame dwelling.
Owner.....F. Nelson, 2701 Lincoln
Way, San Francisco.
Architect...None.
Day's work. COST, \$2500

SUPPLY STATION

(3645) NE FOURTH and TEHAMA.
One-story steel supply station.
Owner.....Standard Oil Co., 200 Bush,
San Francisco.
Architect...None.
Day's work. COST, \$750

FRAME GARAGE

(3646) NE JERSEY and SANCHEZ.
One-story frame garage.
Owner.....A. Armstrong, 1149 San-
chez, San Francisco.
Architect...None.
Contractor...Louis Edwards, 42 6th St.
or Ave., S. F.
COST, \$400

ALTERATIONS

(3647) NOS. 228-232 SIXTH. Raise
and straighten building.
Owner.....S. Schnaittacher, 233 Post,
San Francisco.
Architect...S. Schnaittacher, 233 Post,
San Francisco.
Day's work. COST, \$400

FRAME GARAGE

(3648) NO. 3847 TWENTY-FIRST. One
story frame garage.
Owner.....Mr. Tabrett, Premises.
Architect...None.
Contractor...N. B. Pierson, 45 Kearny,
San Francisco.
COST, \$750

SUPPLY STATION

(3649) MISSION and HURON. One-
story steel supply station.
Owner.....Geo. E. Archer, 1214 Bruns-
wick, San Francisco.
Architect...August Nordin, Mills Bldg.,
San Francisco.
Day's work. COST, \$400

FRAME RESIDENCE

(3650) E SANTA CLARA 55 N San
Anselmo. Two-story and basement
frame residence.
Owner.....St. Francis Home Bldg. Co.,
278 Post, San Francisco.
Architect...H. H. Guterson, 278 Post,
San Francisco.
Day's work. COST, \$11,000

CONCRETE APARTMENTS

(3651) N JACKSON 40 W Franklín W
32-1xN 155-4½ W A 121. All work
for painting seven-story and base-
ment Class "A" reinforced concrete
apartments.
Owner.....Rose Wilson & Jos Martin.
Architect...C. A. Meussdorffer, Hum-
boldt Bank Bldg., S. F.
Contractor...A. Gradin.
Filed Dec. 22, '16. Dated Dec. 16, '16.
½ work done\$1400
Completed and accepted..... 1375
Usual 35 days..... 925
TOTAL COST, \$3700
Bond, \$1850. Sureties, Peter Crichton
and Gustave Peterson. Limit, without
delay. Forfeit, none. Plans and speci-
fications filed.

(3652) LATH AND PLASTER ON
above.

Contractor...A. Knowles, 180 Jessie
San Francisco.
Filed Dec. 22, '16. Dated Dec. 16, '16.
Lathing completed\$2700.00
Brown coated 2182.50
All work done except patching..
..... 3200.00
Completed and accepted..... 500.00
Usual 35 days..... 3194.50
TOTAL COST, \$12,775.00
Bond, \$6389. Surety, Globe Indemnity
Co. Limit, 60 days after ready for
same. Forfeit, none. Plans and speci-
fications filed.

(3653) PLUMBING, GAS FITTING,

steam and hot water heating and
vacuum cleaning on above.
Contractor...The Turner Co., Inc., 278
Natoma, San Francisco.
Filed Dec. 22, '16. Dated Dec. 16, '16.
Piping roughed in\$3475
Completed and accepted..... 3500
Usual 35 days..... 2325
TOTAL COST, \$9300
Bond, \$4650. Surety, Globe Indemnity

Are Two Wheels of Your Truck Loafing?

If the front wheels of your truck are merely carrying part of the load, they're loafing.

They should be pulling. Because when the rear wheels do all the work they wear out tires faster than they should. They strain the truck and shorten its life. They consume too much gasoline and oil. They don't start and stop quickly.

That's why in keenest competition in the European war zone, and with our U. S. troops in Mexico, and again among the big trucking fleets of our largest corporations—**THE CLINTONVILLE.**

F W D

is showing big savings from regularity and dependability of service; from untiring endurance that other trucks can't have—because they're not FOUR WHEEL DRIVE.

On the F-W-D Truck every wheel is a Driving Wheel. The strains and stresses are divided and distributed. Road blows and resistance can't hit hard at any one point. **So the F-W-D lasts years longer.** The F-W-D eliminates minor and major breakdowns that lose time and minimize your profits. The F-W-D keeps ON the road and OUT of the repair shop.

The F-W-D saves 20 to 25 per cent of gasoline and oil money. It reduces first cost of tires one-third. It doubles tire mileage. It starts quickly—stops quickly. Breaks on four wheels as well as drives on four wheels. It saves time and avoids accidents. Phone for demonstrations.

"Every Owner a Booster"

Four Wheel Drive Truck Co.

Telephone Market 334

343 Golden Gate Ave.

San Francisco

Branches: Los Angeles, Bakersfield, Fresno, Santa Rosa, Coalinga, Fullerton, Paisley, Or.;
Salt Lake City

Co. Limit, without delay. Forfeit, none. Plans and specifications filed.

(3654) **ELECTRIC WORK ON ABOVE** Contractor..National Elec. Co., 103 Turk, San Francisco.

Filed Dec. 22, '16. Dated Dec. 16, '16.
All conduit installed.....\$1825
Completed and accepted.....2000
Usual 35 days.....1275

TOTAL COST, \$5100

Bond, \$2550. Surety, Globe Indemnity Co. Limit, as fast as possible. Forfeit, none. Plans and specifications filed

FRAME STORES

(\$604) **SE TENTH AVE AND CA-**
brillo. One-story frame stores.
Owner.....C. J. Keenan, 20 Broderick
San Francisco.

Architect...None.
Day's work.....**COST, \$3000**

SPRINKLER

(2605) **SW FIRST 40 SE Stevenson SE**
40 SW 167-6 NW 80 NE 87-6 SE 40 NE
80. All work for automatic sprinkler
equipment for seven-story and base-
ment reinforced concrete building..
Owner.....Langley & Michaels Co., 50
First, San Francisco.

Architect...Henry H. Meyers, Kohl
Bldg., San Francisco.

Contractor...Pacific Fire Extinguisher
Co., 507 Montgomery, S. F.

Filed Dec. 16, '16. Dated Dec. 7, '16.

On 1st of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$7260

Bond, \$3630. Sureties, Winfield S Davis
and Burt L. Davis, Limit, 150 days.

Forfeit, \$30. Plans and specifications
filed.

(3655) **CARPENTER AND MILL WORK**
sheet metal, rough hardware, roof-
ing, hardwood floors and marble
work on above.

Contractor...W. D. Henderson, Monad-
nock Bldg., S. F.

Filed Dec. 22, '16. Dated Dec. 16, '16.

On 1st of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$53,250

Bond, \$26,625. Surety, Globe Indemnity
Co. Limit, 175 days after Dec. 27.

Forfeit, none. Plans and specifications
filed.

FRAME RESIDENCE

(3656) **SE CONGRESS AND E bdy Lot**
5 39 S 1 deg 20 min W 103.95 N 88
deg 7 min W 28 N 1 deg 20 min E
80 m or l NE 27 m or l ptn Lots 38
and 39 Lyon & Hoag's Sub Ashbury
Terrace. All work except gas and
electric fixtures and plumbing fix-
tures and finish hardware (furnished
by owner) for two-story and base-
ment frame residence.

Owner.....Wallace H. Craigie, 597-C
Dolores, San Francisco.

Architect...None.

Contractor...W. G. McDiarmid, 394 Fair
Oaks, San Francisco.

Filed Dec. 22, '16. Dated Dec. 13, '16.

Cash \$237.50 and release mortgage
on property on N 26th 70 E Do-
lores. Balance due when frame is
up.....\$400.00

1st coat plaster on.....637.50
Completed.....637.50
Usual 35 days.....637.50

TOTAL COST, \$2250.00

Bond, none. Limit, 90 days. Forfeit,
\$1.10. Plans and specifications filed.

CLASS "C" APARTMENTS

(3657) **N SEVENTH AND HOWARD**
NE 50xNW 90. Plumbing, sewerage,
gas fitting, water pipes and service
pipes, etc., for three-story Class "C"
store and apartment building.

Owner.....William G. Gilmour, 150
Jessie, San Francisco.

Architect...Rousseau & Rousseau, 110
Sutter, San Francisco.

Contractor...E. V. Lacey, 249 9th, S. F.

Filed Dec. 22, '16. Dated Dec. 7, '16.

Roughed in.....\$1743.75
Completed and accepted.....1743.75
Usual 35 days.....1162.50

TOTAL COST, \$4650.00

Bond, \$2325. Sureties, J. E. Reite and
F. F. Lacey. Limit, soon as possible
after notified. Forfeit, none. Spec-
ifications, only filed.

LEASE

SAN FRANCISCO COUNTY.

Dec. 22, 1916—**SW ELLIS AND HYDE**
W 57-6xS 82-6. D & S Investment
Co to Wm T Howes and Martha
Rhode. 10 years. \$108,300.

Dec. 22, 1916—**W FILLMORE 103 N**
Sutter N 50xW 100. Ernest C and
Oscar M Hueter to A H Reimert and
Allen J Riley. 10 years. \$39,750.

Dec. 18, 1916—**S GOLDEN GATE AVE**
137-6 W Leavenworth W 40xS 57-6.
Perceval A Palmer to Fox Film Cor-
poration. 5 years. \$12,000.

Dec. 18, 1916—**SE NINTH AVE & CA-**
brillo 25x75. Eisenbach Co to P
Panas and Thos Nickles. 5 years.
\$5880.

Dec. 18, 1916—**W FOLSOM 195 S 25th S**
65xW 115. S and Victoria Cassinelli,
S Racioeco, J Lavezzo, N Caprile, G
Alessio, P Ghiringhelli and G Blan-
gino to Italian French Baking Co.
10 years, \$14,440.

Dec. 19, 1916—**NO. 1431 JONES Apt. 11.**
Marcus Marcussen to Frank G Mar-
cus. Jan. 1, 1918. \$1000.

Dec. 19, 1916—55 feet on S **GOLDEN**
Gate Ave th 82-6 E from E Larkin
and immediately west of Nos. 361-63
Golden Gate and No. 367 Golden Gate
Ave. J A McRae to The Pacific
Automobile Exchange & Repair
Works. 1 year. \$1950 with option to
renew.

Dec. 20, 1916—**N McALLISTER 62-6 E**
Leavenworth S 75 N 137-6 W 137-6 S
20 E 62-6 S 117-6. Nelly D Storey et
al by H H Whiting, Agt to James
Beatty, Emile Adlet and L R Lurie.
10 years. \$700 per month. Assigned
Dec. 20, 1916 by Jas. Beatty, Emile
Adlet and Louis R Lurie to Savoy
Theatre, Inc.

Dec. 21, 1916—**NO. 801 BUSH SW Cor.**
Mason. Matthew A Little to Lillian
Clark. 36 months. \$3600.

Dec. 16, 1916—**NO. 4754 CALIFORNIA.**
Peter and Annie Curry to Fred
Rempp and Wm H Kuehnlein with
Option to renew. 5 years \$25 per
month.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

RECORDED ACCEPTED

Dec. 15, 1916—**SW PINE & PIERCE**
Old Peoples' Home to William L
Terry. Nov. 23: Gilley Schmid Co.

.....Dec. 11, 1916
Dec. 15, 1916—**LOT 3 and E 1/4 Lot**

2 Blk 12 Crocker Amazon Tract.
Benjamin Fehnmann to whom it
may concern.....Dec. 15, 1916

Dec. 15, 1916—**E FIFTENTH AVE**
175 S Lincoln Way 75x127-6. Eliza-
beth C Durfee and Mary M Callun-
dan to H J Hansen.....Dec. 5, 1916

Dec. 15, 1916—**LOT 22 BLK 16, Forest**
Hill. Emil Gingg to W L Nagel,
Dec 1; Burham-Stanford Co.....
.....Nov. 15, 1916

Dec. 16, 1916—**BLK BDED ON N BY**
Market. E by New Montgomery, S
by Jessie and W by Annie. Palace
Hotel Co of S F to Taylor & Goer-
icke.....Dec. 15, 1916

Dec. 16, 1916—**SE MISSION & BRAZIL**
Ave. Dr H R Painton to Antone
Petersen.....Dec. 11, 1916

Dec. 16, 1916—**E LARKIN 50 S Valle-**
jo. Thomas McGrath to Louis
J Deibel.....Completed—

Dec. 16, 1916—**W TWENTY-SIXTH**
Ave 125 N Judah 25x120. Ida
Schoenfeld to whom it may con-
cern.....Dec. 5, 1916

Dec. 18, 1916—**E TWENTY-SIXTH AV**
150 S Anza S 21-8x E 120. Maurice
J Flynn to Edward V Lacey.....
.....Dec. 7, 1916

Dec. 18, 1916—**NW BUCHANAN AND**
Washington W 80xN 28. M E Spiro
to J S Malloch.....Dec. 18, 1916

Dec. 18, 1916—**N JACKSON 192-6 E**
Cherry E 40 N 126-5 1/2 W 40 m or l
S 122 m or l. Harry T Blackwood
to Hansbrough Johnston Co, Inc.....
.....Dec. 15, 1916

Dec. 18, 1916—**N CALIFORNIA 100 E**
Van Ness Ave S 50-9xN 137-6. L A
Myers to MacDonald & Kahn.....
.....Dec. 13, 1916

Dec. 19, 1916—**S MARKET AND**
Second SW 45xSE 91-6. Savings
Union Bank & Trust Co to Dyer
Bros Golden West Iron Works, Inc
.....Dec. 12, 1916

Dec. 18, 1916—**E TWENTY-FIRST AV**
50 S Anza S 25xE 82-6. Wm S
Castro to Martin and Hans Nelson.....
.....Dec. 15, 1916

Dec. 19, 1916—**E EIGHTEENTH AVE**
100 S Balboa S 25xE 100. F Monson
to whom it may concern. Dec. 19, 1916

Dec. 19, 1916—**N PACIFIC 101-6 W**
Duport W 36 N 137-6 E 56 S 72 W
S 25 65-6. Paolo Arata to G Trevia
and G B Pasqualetti.....Dec. 15, 1916

Dec. 19, 1916—**NE DONNER AVE (28th**
Ave South) 700 SE Quint (Q) SE
25xNE 100 20 Blk 503 Haley
Purchase. M J Ballen to T H Parry
.....Dec. 15, 1916

Dec. 19, 1916—**S GREEN 175 E**
Pierce E 25xS 109. G B Schiaffino
to G Campa and Louis Carnella.....
.....Dec. 18, 1916

Dec. 20, 1916—**NE UPPER TERRACE**
and Clifford. Timothy A and Agnes
M Reardon to Geo D Gilman.....
.....Dec. 16, 1916

Dec. 20, 1916—**NO. 3866 CLAY. Rosa**
G Taussig to J E O'Mara. Dec. 21, '16

Dec. 20, 1916—**E NINTH AVE 100 S**
Cabrillo E 120xS 25. Thomas Con-
way to A Ahlbach.....Dec. 20, 1916

Dec. 20, 1916—**E PENNSYLVANIA**
100 S 18th S 100xE 100. Union from
Works to Spencer Elevator Co, Dec
9; Cramer Co, Dec 9; Scott Co, Dec
9; Val Frank & Son.....Dec. 9, 1916

Dec. 18, 1916—**S OAK 137-6 W Laguna**
W 27-6xS 120. Mary C Nolan to
whom it may concern.....Dec. 16, 1916

Dec. 21, 1916—**LEASEHOLD OF PTTY**
from Spring Valley Water Co and
Edw L Byrne and parcel owned by

First Party, all of which is described in contract filed Aug. 7, 1916. Lakeside Golf Club to The Turner Co. Dec. 13, 1916
Dec. 21, 1916—E EIGHTH AVE 75 S Lincoln Way 25x37-6. D J Clancy to D J Clancy. Dec. 20, 1916
Dec. 21, 1916—N MISSION 225 W 4th W 56xN 90. A Aronson to John Carlin. Dec. 19, 1916
Dec. 21, 1916—LOT 8 BLK 2 College Hill Tract. Gertrude I Pehrson to whom it may concern. Dec. 20, 1916
Dec. 21, 1916—S VALLEJO 70 E Broderick S 137-6XE 35. Geo A Applegarth to Junius Branch. Dec. 15; Kaiser & Connolly. Dec. 15, 1916
Dec. 21, 1916—S VALLEJO 35 E Broderick S 137-6XE 35. Chas M Laurence to Mangrum & Otter. Dec. 15; The Turner Co. Dec. 13; Bradley & O'Reilly. Dec. 13; Pacific Mfg Co. Dec. 13; Junius Branch. Dec. 12, 1916

LIENS FILED

SAN FRANCISCO COUNTY.

RECORDED AMOUNT
Dec. 15, 1916—S LOBOS 75 W Plymouth Ave W 25xS 125 Blk "M" R Hd Aes'n. Moores-Rode Gravel Co vs Henry Fremy, Josephine Vaisse and Hugo Carlson. \$19.25
Dec. 16, 1916—W SECOND AVE 175 S Balboa S 25xW 120. D A Coninsky vs Jennie and James Lynch. \$7.45
Dec. 18, 1916—NW JESSIE 250 SW Fourth SW 25 NW 75 NE 35-4½ m or 1 SE 100; NW Jessie 225 SW Fourth SW 25xNW 75. Robert F Smith vs California Academy of Sciences and The Society of California Pioneers and Mercantile Realty, leasehold W J Watson (as Watsonite Products Co). \$115
Dec. 19, 1916—SE HAYES & OCTAVIA E 62-6xS 120. Mission Marble Wks vs F H Masow and J M Morrison (as Masow & Morrison) and Daniel M Moran \$775.
Dec. 20, 1916—E ALLSTON WAY 140 S Claremont Blvd; No. 88 Allston Way. American Hardwood Floor Co vs Frank J Hyland. \$84
Dec. 20, 1916—S MAYNARD 250 E Craut E 25xS 110. Asher Elee Co vs Ignatius J and Katherine Zabriskie and E H Helms. \$6
Dec. 21, 1916—NO. 416 CONGO. H H Smith vs Otto Johnson. \$37.75
Dec. 21, 1916—S LOBOS 75 W Plymouth Ave W 25xS 125. H H Smith vs Clovis Griffin and Frank Zichosch, Henry Fremy and Josephine Vaiffe. \$39.20
Dec. 21, 1916—NO. 1254 MARKET. G H Bonell and Jno Ekoj vs M and Frank P Nunan. \$42.74

OAKLAND AND ALAMEDA COUNTY.

STREET IMPROVEMENTS—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Contracts for street improvements have been awarded under the following resolutions: That Jackson street, from 10th street to 12th street, be graded, curbed with concrete, guttered with brick gutters 14 inches wide and paved with asphalt. Awarded to The Clark & Henery Construction Co., Oscher Bldg., Sacramento.

That a vitrified, pipe sewer, having an internal diameter of 8 inches, be

constructed along East 11th street, from 8th avenue to a point 210 feet southeast therefrom, measured along said center line of East 11th street; also that a brick manhole with cast iron top be constructed at the northwest end of said sewer; also that a vitrified pipe lamphole with top of brick and cast iron be constructed at the southeast end of said sewer; also that Y branches with 5-inch openings be constructed on said sewer so as to provide one such branch for each 25-foot lot and fractional lot remaining into which the abutting property frontage is capable of being divided. Awarded to M. P. Canbar, 1044 91st avenue, Oakland.

RESIDENCE—1 story and base, frame, \$1,500. Berkeley, Alameda Co., Cal. Architect, August G. Headman, Call-Post Bldg., S. F. Owner, Mrs. B. Whiteside. Location, Claremont Court. Will contain eight rooms, two baths and sleeping porches. Separate garage. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$2,000. Alameda, Alameda Co., Cal. Architect, none. Owner, G. H. Noble, 2220 Central avenue, Alameda. Location, 17th Verdi. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. Piedmont, Alameda Co., Cal. Architect, none. Owner, G. Taylor, 96 Pearl street, Oakland. Location, west Grand north Greenbank. Will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, C. J. Pirang, 5487 Claremont avenue, Oakland. Location, north 49th street west Manila. Will contain five rooms, bath and sleeping porch. Separate garage. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. Oakland, Cal. Architect, none. Owner, W. S. Hurst, 5521 Taft avenue, Oakland. Location, south Wellington avenue near Everett. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—2 story and base, frame, \$4,000. Oakland, Cal. Architect, none. Owner James McGuinness, 5615 East 17th street, Oakland. Location, south Lakeshore avenue east Lake Park. Will contain seven rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCES—4, 2 story and base, frame, \$4,000 each. Piedmont, Alameda Co., Cal. Architect, none. Owner, C. M. MacGregor, 470 12th street, Oakland. Location, south Mountain west Dornadru. Each house will contain eight rooms, two baths and sleeping porch. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, \$1,500. Oakland, Cal. Architect, none. Owner, G. Taylor, 96 Pearl street, Oakland. Location, west 62nd avenue north Fortune. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

RESIDENCE—1 story and base, frame, Cost not stated. Berkeley, Ala-

meda, Cal. Cal. Architect, Wood & Simpson, 110 84th street, S. F. Owner, Mrs. Clough. Location, Arlington avenue. Will contain seven rooms, bath and sleeping porch. Separate garage. Plans complete and figures being taken.

RESIDENCE—1 story and base, frame, \$2,000. Albany, Alameda Co., Cal. Architect, none. Owner, Mytle I. Palmer, 3911 Maybelle avenue, Oakland. Location, west Loyo north Marin. Will contain six rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$35,000. Oakland, Cal. Architect, Chester H. Miller, First Savings Bank Bldg., Oakland. Owner's name withheld. Location, Head of Lake. Will contain seventy-five rooms arranged in suites of two and three rooms. Plans being prepared.

GARAGE—1 story and base, brick. Cost not stated. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, H. W. Leach. Location, Piedmont and Broadway. Designed for a commercial garage and will contain office and storage space. Plans revised and new figures being taken.

HOTEL ALTERATIONS AND ADDITIONS—Frame, \$3,000. Oakland, Cal. Architect, none. Owner, B. G. Campbell, 191 41st street, Oakland. Location, 194 41st street. Work will consist of both interior and exterior alterations. Plans are complete and work will be done by Day Labor.

STREET IMPROVEMENTS—Cost not stated. Berkeley, Alameda Co., Cal. Engineer, City Engineer, Berkeley. Owners, City of Berkeley. Bids will be opened on January 2nd at 10 a. m. for street improvements authorized under the following resolution: That the northern half of Snyder avenue, from a line parallel to the western line of 7th street and distant 191 feet westerly therefrom westerly 129 feet be graded; that a concrete curb with a combined 3-foot gutter be constructed along the curb line adjacent to the roadway thereof; that the remainder of the roadway be macadamized and surfaced with oil and rock screenings.

Contract Awarded.
BRIDGE PILE FENDETS—\$1,154. Oakland, Cal. Engineer, County Surveyor, Oakland Owners, Alameda County. Contractors, Hyde-Harjes Co., 110 Marke street, S. F. Contract price \$1,154.

Building Contracts Awarded.

Oakland

No.	Owner	Contractor	Am't.
2915	Muller	.....Brown	500
2916	Little	.....Little	500
2917	Catey	.....Jones	400
2918	McGuinness	.....McGuinness	4000
2920	Pirang	.....Pirang	2500
2921	Hurst	.....Hurst	2500
2922	Taylor	.....Taylor	3000
2923	W & S	.....Elee Display	500
2924	Nason	.....Chick	500
2925	Heeseman	.....Kulchiar	400
2926	Magnolia	.....Same	2500
2929	Spring Valley	.....Bruce	
2930	Pacific G & E	.....Ough	2500
2931	Chittenden	.....Taylor	100
2932	Cohn	.....Peterson	1000
2933	Campbell	.....Campbell	3000
2935	Howman	.....Griffin	900
2936	Oakland	.....Families	700
2937	Same	.....Same	700
2938	Same	.....Same	700
2939	Same	.....Same	700
2940	Same	.....Same	700
2941	Same	.....Same	700
2942	Souza	.....Souza	600

2943	Nissen	Buckman	100
2944	Seoville	Seoville	700
2945	Bradshaw	Bradshaw	\$600
2946	Schneider	Corbett	1900
2947	Calou	Norman	5000
2948	Coritz	Taylor	7450
2949	Palmer	Palmer	2000
2950	Menhetti	Rainier	1000
2951	Taylor	Taylor	1500
2952	Goodwin	Woodward	1800
2953	Dunn	Bertelsen	3290

REPAIRS

(2915) NO. 4147 PIEDMONT AVE.,	
Oakland. Roof repairs.	
Owner.....Martin Muller, 4149 Pied-	
mont Ave., Oakland.	
Architect...None.	
Contractor...G. W. Brown, 47 Glen Ave.,	
Oakland.	

COST, \$500

ALTERATIONS

(2916) NO. 3621 BROADWAY, Oakland	
Alterations.	
Owner.....J. M. Little, 1770 Broad-	
way, Oakland.	
Architect...None.	
Day's work.	

COST, \$500

ALTERATIONS

(2917) NO. 1526 BROADWAY, Oakland	
Alterations.	
Owner.....Neal Carey, Premises.	
Architect...None.	
Contractor...Fred L. Jones, 1217 Web-	
ster, Oakland.	

COST, \$400

DWELLING

(2918) S LAKESHORE AVE 146 E	
Lake Park Ave., Oakland. Two-	
story 7-room dwelling.	
Owner.....James McGuinness, 5615 E-	
17th, Oakland.	
Architect...None.	
Day's work.	

COST, \$4000

(2920) N FORTY-NINTH 140 W	
Manila Ave., Oakland. One-story five-	
room dwelling.	
Owner.....C. J. Pfrang, 5487 Clare-	
mont Ave., Oakland.	
Architect...None.	
Day's work.	

COST, \$2500

(2921) S WELLINGTON AVE opp.	
Everett, Oakland. Two-story 6-room	
dwelling.	

Owner.....W. S. Hurst, 5521 Taft	
Ave., Oakland.	
Architect...None.	
Day's work.	

COST, \$2500

DWELLING AND GARAGE

(2922) W GRAND 440 N Greenbank	
Ave., Piedmont. Two-story 8-room	
dwelling and garage.	
Owner.....G. Taylor, 96 Pearl, Okd.	
Architect...None.	
Day's work.	

COST, \$3000

SIGN

(2923) NO. 1015 WASHINGTON, Oak-	
land. Electric sign.	
Owner.....W. & S. Dry Goods Co.,	
Premises.	

Architect...None.	
Contractor...Electric Display Corp., 294	
Natoma, San Francisco.	

COST, \$500

GARAGE

(2924) N LOWER ROAD 140 E Cross	
Roads, Oakland. Garage.	
Owner.....Arthur C. Nason, Premises.	
Architect...None.	

Contractor...Edw. A. Chick, 2624 60th	
Ave., Oakland.	

COST, \$500

ALTERATIONS

(2925) NO. 561 FOURTEENTH, Oak-	
land. Alterations.	
Owner.....C. J. Heeseman Plaza Bldg	
Oakland.	
Architect...None.	
Contractor...S. Kulchar & Co., 8th Ave.	
and E-10th, Oakland.	

COST, \$400

PLANING MILL

(2926) E MAGNOLIA 103 S 5th, Oak-	
land. Two-story planing mill.	
Owner.....Magnolia St. Planing Mill,	
Premises.	
Architect...None.	
Contractor...C. W. Lannon, 1052 14th,	
Oakland.	

COST, \$2500

RESERVOIR

(2929) LOT 13 Pleasanton Homestead,	
Pleasanton. All work for reinforced	
concrete reservoir.	
Owner.....Spring Valley Water Co.,	
375 Sutttr, San Francisco.	

Architect...None.	
Contractor...C. A. Bruce, Pleasanton.	
Filed Dec. 19, '16. Dated Dec. 18, '16.	
Monthly payments of.....	85%
30 days after.....	15%

TOTAL COST:—Material excavated and placed and embankment, \$65 cu. yd. reinforced concrete, \$9.00 cu yd. Laying iron pipe, 50c lin. ft. Erecting fence, 10c lin. ft.

Bond, \$1500. Surety, Hartford Accident & Indemnity Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

WELLS

(2930) SW FIRST AND GROVE W 300	
xs 200, Oakland. All work for bor-	
ing well or wells.	
Owner.....Pacific Gas & Electric Co.,	
13th and Clay, Oakland.	

Architect...None.	
Contractor...J. M. Ough, 250 Grand	
Ave., Oakland.	

Filed Dec. 19, '16. Dated Dec. 7, '16.	
Completed	75%
Usual 35 days.....	25%

TOTAL COST, \$2500
Bond, \$2500. Surety, Guardian Casualty & Guaranty Co. Limit, 6 months. Forfeit, cancel contract. Plans and specifications, none.

(2931) NO. 6235 FLORIO, Oakland.	
Addition.	

Owner.....T. Chittenden, 3707 Car-	
lington, Oakland.	
Architect...None.	
Contractor...Earl Taylor, 1616 Russell,	
Berkeley.	

COST, \$400

DWELLING

(2932) NW SIXTY-FIFTH AND SHAT-	
tuck Ave., Oakland. One-story four-	
room dwelling.	

Owner.....Wolfe Cohn.	
Architect...None.	
Contractor...Jack Persson.	

COST, \$1000

ALTERATIONS

(2933) NO. 194 FORTY-FIRST, Oak-	
land. Alter and add to make into	
rooming house.	
Owner.....B. G. Campbell, 191 41st,	
Oakland.	

Architect...None.	
Day's work.	

COST, \$3000

FRAME HOTEL

(2935) IRVINGTON, Carpenter work	
for two-story frame hotel, except	

clothes chute, china closets and bar room finish.

Owner.....John Bowman, Irvington.	
Architect...None.	
Contractor...C. Griffin Sons, Hayward.	
Filed Dec. 20, '16. Dated Dec. 16, '16.	
1st and 15th of each month.....	\$250
5 days after.....	Balance

TOTAL COST, \$900

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications, none.

FRAME SCHOOL

(2936) TWENTY-THIRD AVE AND E-	
16th, Oakland. One-story one-room	
frame school.	

Owner.....City of Oakland.	
Architect...None.	
Contractor...John R. Faulkes, 9828 E-	
14th, Oakland.	

COST, \$700

FRAME SCHOOL

(2937) S ALCATRAZ AVE — E Tele-	
graph Ave., Oakland. One-story one-	
room frame school.	

Owner.....City of Oakland.	
Architect...None.	
Contractor...John R. Faulkes, 9828 E-	
14th, Oakland.	

COST, \$700

FRAME SCHOOL

(2938) THIRTY-EIGHTH AVE AND	
Penniman, Oakland. One-story one-	
room frame school.	

Owner.....City of Oakland.	
Architect...None.	
Contractor...John R. Faulkes, 9828 E-	
14th, Oakland.	

COST, \$700

FRAME SCHOOL

(2939) TWENTY-NINTH AVE AND	
Elmwood, Oakland. One-story one-	
room frame school.	

Owner.....City of Oakland.	
Architect...None.	
Contractor...John R. Faulkes, 9828 E-	
14th, Oakland.	

COST, \$700

(2940) SE COLLEGE AVE AND BIRCH	
Court, Oakland. One-story 1-room	
frame school.	

Owner.....City of Oakland.	
Architect...None.	
Contractor...John R. Faulkes, 9828 E-	
14th, Oakland.	

COST, \$700

(2941) FIFTY-THIRD & MARKET.

Oakland. One-story 1-room school.	
Owner.....City of Oakland.	
Architect...None.	

Contractor...John R. Faulkes, 9828 E-	
14th, Oakland.	

COST, \$700

ALTERATIONS

(2942) NO. 2947 BOEHMER, Oakland.	
Alterations and additions.	
Owner.....Wm. Souza, Premises.	

Architect...None.	
Day's work.	

COST, \$600

ALTERATIONS

(2943) NE TWENTY-FIFTH AND SAN	
Pablo Ave., Oakland. Alterations.	
Owner.....C. K. Nissen.	

Architect...None.	
Contractor...R. F. Buckman.	

COST, \$400

STORE

(2944) E TELEGRAPH AVE 135 N	
E-38th, Oakland. One-story store.	

Owner.....C. A. Scoville, 5246 Claremont, Oakland.
 Architect...None.
 Day's work.....**COST, \$700**

ADDITION
 (2945) NW SIXTY-SIXTH AND TELEGRAPH AVE., Oakland. Two-story addition 2-story 17-room apartments and stores.
 Owner.....R. H. Bradshaw, 6429 Telegraph Ave., Oakland.
 Architect...James W. Plachek, Acheson Bldg., Berkeley.
 Day's work.....**COST, \$8000**

ALTERATIONS
 (2946) NW ELEVENTH AND WASHINGTON, Oakland. Alterations (loft to lodge room).
 Owner.....M. & D. Schneider, Prem.
 Architect...None.
 Contractor..Corbett & Bayliss, 1110 Franklin, Oakland.
COST, \$1900

ADDITION
 (2947) NO. 730 TWENTY-NINTH, Oakland. One-story brick addition to laundry.
 Owner.....Estate of P. Calou, 270 29th Oakland.
 Architect...Sidney B. Newsom, Nevada Bank Bldg., S. F.
 Contractor..S. A. Norman, 754 43rd, Oakland.
COST, \$5000

ALTERATIONS
 (2948) NO. 1110 WASHINGTON, Albany, Alterations.
 Owner.....Vere Cortez.
 Architect...None.
 Contractor..H. W. Taylor.
COST, \$750

DWELLING
 (2949) W INYO 150 N Marin, Albany. One-story five-room dwelling.
 Owner.....Myrtle I. Fahner, Care of A. B. Reinersten, 3911 Maybelle Ave., Oakland.
 Architect...None.
 Day's work.....**COST, \$2000**

DWELLING
 (2950) SE MAGEE AVE AND CALIFORNIA, Oakland. One-story 4-room dwelling.
 Owner.....G. Menchetti, 3840 California, Oakland.
 Architect...None.
 Contractor..D. Rainieri.
COST, \$1000

DWELLING
 (2951) W SIXTY-SECOND AVE 440 N Fortune Way, Oakland. One-story 5-room dwelling.
 Owner.....G. Taylor, 96 Pearl, Oakland.
 Architect...None.
 Day's work.....**COST, \$1500**

DWELLING
 (2952) W EVANS AVE 100 S Everett, Oakland. One-story 5-room dwelling.
 Owner.....E. S. Goodwin, Oakland.
 Architect...None.
 Contractor..E. W. Woodard, 4025 Brighton Ave., Oakland.
COST, \$1800

APARTMENTS
 (2993) RONADA AVE., Piedmont. All work for two-story apartment house and garage.

Owner.....Dr. Robert Dunn, 1796 Broadway, Oakland.
 Architect...Dickey & Donovan, Perry Bldg., Oakland.
 Contractor..S. J. Bertelsen, 1011 Franklin, Oakland.
 Filed Dec. 22, '16. Dated Dec. 21, '16.
 1st of each month.....75%
 Usual 35 days.....25%
TOTAL COST, \$3290.70
 Bond, none. Limit, 70 days after owner completes grading and foundation.
 Forfeit, none. Plans and specifications filed.

Building Contracts Awarded.

Berkeley

No.	Owner	Contractor	Amt.
2914	Yerxa	Kollmer	800
2919	McGinty	McGinty	4000
2927	Meyer	Allen	500
2928	Pure Carbonic	Owner	450

ALTERATIONS
 (2914) NO. 1147 HIGH COURT, Berkeley. Alterations.
 Owner.....Yerxa, Premises.
 Architect...None.
 Contractor..Jacob Kollmer, 2813 Stuart Berkeley.
COST, \$800

DWELLING
 (2919) N AMADOR 195 W Shattuck Ave., Berkeley. Two-story 7-room dwelling.
 Owner.....W. G. McGinty, 2150 Rosedale Ave., Oakland.
 Architect...None.
 Contractor..Earl D. McGinty, 2150 Rosedale Ave., Oakland.
COST, \$4000

GARAGE
 (2927) NO. 6 HILLCREST COURT, Berkeley. Garage.
 Owner.....A. Meyer, Premises.
 Architect...None.
 Contractor..F. E. Allen, 2718 Regent, Berkeley.
COST, \$500

WAREHOUSE
 (2928) NO. 642 VIRGINIA, Berkeley. Warehouse.
 Owner.....The Pure Carbonic Co., 642 Virginia, Berkeley.
 Architect...None.
 Day's work.....**COST, \$450**

Building Contracts Awarded.

Alameda

No.	Owner	Contractor	Amt.
2934	Noble	Noble	2000

DWELLING
 (2934) NO. 1518 VERDI, Alameda. One-story 5-room dwelling.
 Owner.....G. H. Noble, 2220 Central Ave., Alameda.
 Architect...None.
 Day's work.....**COST, \$2000**

COMPLETION NOTICES

ALAMEDA COUNTY.

RECORDED
 Dec. 11, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James Moffitt Estate Co to U S Metal Products Co.....Dec. 8, 1916
 Dec. 12, 1916—LOT 12 BLK 8 Reshdy Bldg 8 of that part Rock Ridge Terrace filed March 16, 1911,

Okd. Make Bros Co to whom it may concern.....Dec. 11, 1916
 Dec. 13, 1916—LOT 20 BLK "C" Sheet No. 1, Lakewood Park, Okd. Harriet H Braund to F N Strang.....Dec. 13, 1916
 Dec. 13, 1916—SW COR E-THIRTY-fourth and 13th Ave, Okd. Anna Jordan to F N Fabling.....Dec. 12, 1916
 Dec. 13, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James Moffitt Estate Co to Carl T Doell.....Dec. 9, 1916
 Dec. 14, 1916—LOT 195 Map Crocker Highlands, Okd. R H Banning and Jas E Stewart to whom it may concern.....Dec. 11, 1916
 Dec. 14, 1916—LOT 185 Map Crocker Highlands, Okd. R H Banning and Jas E Stewart to whom it may concern.....Dec. 11, 1916
 Dec. 14, 1916—LOT 7 and E 25 Lot 6 Highland Court, Piedmont. R H Banning and Jas E Stewart to whom it may concern.....Dec. 8, 1916
 Dec. 14, 1916—NW FIFTEENTH AND Clay W 100xN 103-9, Okd. The Chas Jurgens Co to Wm J Baccus.....Dec. 11, 1916
 Dec. 15, 1916—SW TWENTY-THIRD and Webster S 75xW 90, Okd. J R O'Donnell (owner was Piedmont Bldg Ass'n. assigned to O'Donnell Sept. 22, 1916) to Joseph Neal.....Dec. 14, 1916
 Dec. 16, 1916—LOT 26 BLK 21 Map Melrose Heights, Okd. Alfred E Hagman to William H Sims.....Dec. 14, 1916
 Dec. 16, 1916—LOT 14 BLK "C" Map Oakland Heights, Okd. Emma Corburn to whom it may concern.....Dec. 12, 1916
 Dec. 16, 1916—LOT 19 BLK 7 Map San Pablo Park, Bkly. Arvid E Olson to whom it may concern.....Dec. 14, 1916
 Dec. 16, 1916—S E-ELEVENTH 75 E 8th Ave 37½x150, Oakland. Myrt Kowalsky to S A Warner.....Dec. 16, '16
 Dec. 16, 1916—S TAYLOR AVE bet. Ninth and Caroline 42x147 belng No. 926, Ala. Lawrence Perata to M E Valente.....Nov. 15, 1916
 Dec. 18, 1916—LOT 14 BLK 1, Berkeley Heights, Bkly. Roy O Long to Mason-McDuffie Co.....Dec. 16, 1916
 Dec. 18, 1916—NE TWENTY-FOURTH and Telegraph Ave N 45x E 82. Mrs S B Crawford to T Rutherford.....Dec. 15, 1916
 Dec. 18, 1916—LOT 18 BLK "F" Map Kenwood Park, Okd. C W Glantz to whom it may concern.....Dec. 18, 1916
 Dec. 19, 1916—S 43 LOT 47 Oakland Homestead Ass'n, Okd. Justus Norris to whom it may concern.....Nov. 29, 1916
 Dec. 19, 1916—NW FORTY-THIRD & Webster N 40xW 100, Okd. Chas A and Mary W Piper to M E Hopper & Sons.....Dec. 18, 1916
 Dec. 20, 1916—NO. 2035 SEVENTEENTH Ave, Okd. Meta K Makins to E Woodard.....Dec. 15, 1916
 Dec. 20, 1916—NW RANSOM AVE and SW Santa Rita SW 50 N V to Santa Rita Se to pt beg, Okd. Ole Kolen to whom it may concern.....Dec. 16, 1916
 Dec. 20, 1916—LOT 15 BLK 8 Reshdy Bldg 8 of that ptn Rock Ridge Terrace filed March 16, 1911, Oakland. Blake Bros Co to whom it may concern.....Dec. 18, 1916
 Dec. 20, 1916—E 33 Lot 32 and 10 feet Lot 33 Bldg 1 East Piedmont Heights Tract, Okd. W E Schirmer to whom it may concern.....Dec. 19, 1916

Dec. 21, 1916—LOT 111 Fourth Ave Terrace Ext, Okd. Mabel Woudard to E W Woodard.....Dec. 21, 1916
Dec. 21, 1916—W END WEBSTER street on Oakland Estuary, Ala. Union Iron Works to Lange & Bergstrom.....Dec. 18, 1916
Dec. 21, 1916—S ELEVENTH 125 E Broadway E 175xS 100, Okd. James Moffitt Estate Co to Martin Peterson.....Dec. 18, 1916

LIENS FILED

ALAMEDA COUNTY.

RECORDED AMOUNT
Dec. 11, 1916—E EIGHTH AVE 75 S 24th, being No. 2340, Oakland. James W Forbes vs N Blomgren. \$50
Dec. 12, 1916—SW E-FOURTEENTH and 20th AVE W 25xS 140, Okd. Spott Eros vs P A Brion, C Chubb and B A Stewart.....\$45.41
Dec. 13, 1916—LOT 11 AND S 110 Lot 12 Elk 14 Map Lakeside Sbdvn Adams Point Ppty, Okd. W E Whalin vs N H Chamberlain. \$745.50
Dec. 16, 1916—NW MONTANA AND Laguna 50x125, Okd. A H Rose vs G B McDonald.....\$115.35
Dec. 18, 1916—BDED ON N BY lands Catholic Church and Catholic Cemetery, E by County Road leading from Central Ave to Mowry's Landing, S lands A S Caldera and W by Dan Blair Road, Washington Tp. P C Hansen & Co vs M V Marciel and A S Dutra.....\$678.65
Dec. 18, 1916—LOT 21 BLK 3 Map Key Route Terrace No. 2, Albany. W F Manley vs William B White, N J Irish, et al.....\$60

SAN JOSE AND THE SANTA CLARA VALLEY.

HIGHWAY CONSTRUCTION—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. The Board of Supervisors of San Mateo County received a number of bids on December 18th for road improvement, but the bids were not opened. The reason given is that the bids were received at 5 o'clock and that the Board was not in session at that time. The bids will not be returned but will be held until the next session of the Board on January 2nd, and then opened.

RESIDENCE—2 story and base frame, \$8,000. San Mateo, San Mateo Co., Cal. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owner, Mrs. D. F. Walker. Location, San Mateo Park. Will contain eight rooms, two baths and sleeping porch. Separate garage. Plans complete and figures to be called for at once.

RESIDENCE—2 story and base, frame \$10,000. Palo Alto, Santa Clara Co., Cal. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owner, Mrs. Joseph Torber. Location, Palo Alto. Will contain twelve rooms, two baths and sleeping porches. Separate garage. Plans complete and figures being taken.

APARTMENT HOUSE—2 story and base, frame, \$10,000. San Mateo, San Mateo Co., Cal. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owner, Mr. Canepa. Will contain a number of one, two and three room

apartments. Plans complete and figures in. Contract to be awarded shortly.

STORES—1 story, brick, \$10,000. Easton, San Mateo Co., Cal. Architect, Thomas M. Edwards, Bank Bldg., Burlingame. Owner, C. S. Cray. Will contain a number of small stores. Plans are complete and figures will be called for shortly.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

STORES AND OFFICES

UNIVERSITY AVE AND BRYANT ST., Palo Alto. All work for two-story concrete and frame stores and offices. Owner.....Gertrude M. Gardiner, William Cranston & Norwood B. Smith, 1650 Waverly St., Palo Alto.
Architect.....Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor.....J. S. Hannah, Williams Bldg., San Francisco.

Filed Dec. 19, '16. Dated Dec. 15, '16.
On 1st of each month commencing January 1, 1917.....75%
Usual 35 days.....Final

TOTAL COST, \$25,750

Bond, \$12,875. Surety, Guardian Casualty & Guaranty Co. Limit, 110 days from filing. Forfeit, \$25 per day. Plans and specifications filed.

FRAME SCHOOL

EVERGREEN, Santa Clara Co. All work for one-story frame school. Owner.....Evergreen School Trustees
Architect.....F. D. Wolfe, Bank of Italy Bldg., San Jose.
Contractor.....J. H. Miller.
Filed Dec. 12, '16. Dated Dec. 11, '16.

Frame up.....\$3359.82
Ready for plaster.....2359.81
Ready for finish.....2359.81
Job accepted.....2359.81
Usual 35 days.....4479.75

TOTAL COST, \$17,919.00

Bond, \$8959.50. Sureties, A. L. and T. B. Hubbard. Limit, 130 days from filing. Forfeit, \$5 per day. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED

Dec. 13, 1916—STANFORD CAMPUS, Palo Alto. Stanford University to E H Richardson.....Dec. 6, 1916
Dec. 13, 1916—FOURTH ST, near S. P. R. R., San Jose. C P Bailey & Sons Co to whom it may concern.....Dec. 11, 1916
Dec. 15, 1916—MAIN ST, bet. Franklin and Benton, Santa Clara. W J Curtner to R O Summers.....Dec. 12, '16
Dec. 16, 1916—LOT 16 Fruit Cannery Tract, Los Coches Rancho. G Mandosano to F Savio.....Dec. 11, 1916
Dec. 18, 1916—PALM HAVEN near San Jose. C S Allen to R Herschbach.....Dec. 9, 1916

BUILDING CONTRACTS

SAN MATEO COUNTY.

RESIDENCE

"FILOLI" Canada de Raymundo, San Mateo. All marble work for mantel and hearth of Library for three-story residence.

Owner.....Agnes M. Bourn, San Mateo Architect.....Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor.....The Schoenfeld Marble Co., 265 Shipley St., S. F.
Filed Dec. 16, '16. Dated Nov. 28, '16.
Payments not given.....

TOTAL COST, \$392

Bond, \$196. Surety, The Aetna Accident & Liability Co. Limit, forfeit, plans and specifications, none.

Dec. 14, 1916—LOT "A" BLK 3, Burlingame Land Co No. 2, Burlingame Kate Schrader to Chris & Geo Larssen.....Dec. 12, 1916

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

ROAD CONSTRUCTION—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Bids will be opened on December 30th for the construction of a road between Cazadero and the mouth of Austin Creek, in Austin Permanent Road Division in Sonoma County.

RESIDENCE—1 story and base, frame, \$2,000. Richmond, Contra Costa Co., Cal. Architect, none. Owners, Conn Bros., 6th and Macdonald avenue, Richmond. Location Chanslor avenue, between 13th and 14th street. Will contain five rooms and bath. Plans complete and work to be done by Day Labor.

APARTMENT HOUSE—2 story and base, frame, \$5,000. Ross, Marin Co., Cal. Architects, Schirmer & Bugbee, Palziel Bldg., Oakland. Owner, W. Schirmer. Has been arranged for four stores on the first floor and a number of one and two room apartments on the second floor. Plans are being prepared.

APARTMENT HOUSE—3 story and base, frame, \$40,000. Martinez, Contra Costa Co., Cal. Architect, Chester H. Miller, Savings Bank Bldg., Oakland. Owner's name withheld. Will contain a total of 78 rooms arranged in suites of two and three rooms. Plans being prepared.

SEA WALL—Rock construction, \$22,000. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbetts, Alaska-Commercial Bldg., S. F. Owners, City of Richmond. Only two bids were received by the Richmond Council on Monday night for constructing a rock sea wall. Both bids were taken under advisement. The bids were as follows: Healy-Tibbitts Construction Co., S. F., \$22,000; Blake Bros., Oakland, \$23,000.
FIRE HOSE—Cost not stated. Santa Rosa, Cal. Owners, City of Santa Rosa. Bids will be received on January 2 at 5 p. m. by City Clerk H. B. Snyder for furnishing 500 feet of 2½-inch fire hose. An official proposal appears under the heading of Official Proposals in this issue.

ROAD IMPROVEMENT—Cost not stated. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners Marin County. Bids will be opened on January 3rd at 2 p. m. for rock, blasting off outcrops, ditching and clearing that portion of the county road known as the Fairfax and Bolinas road, from the bridge at "Alpine" to the southwest boundary line of Road District No. 3, a distance of three miles, all in Road District No. 9.

ROAD SCARIFIER—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engli-

neer, none. Owners, City of Santa Rosa. Bids will be opened on January 2nd for furnishing a scrubber. Plans can be secured from City Clerk H. B. Snyder.

Contract Awarded.

INNER HARBOR FILL — \$39,000. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbetts, Alaska-Commercial Bldg., S. F. Owners, City of Richmond. Contractors, Standard American Dredging Co., 114 13th street, Oakland. Contract price for 4,500 retaining wall \$39,000.

ROAD IMPROVEMENT — \$1,497.90. Napa, Napa Co., Cal. Engineer, County Surveyor, Napa. Owners, Napa County. Contractor Andrew R. Sittig, Napa. Contract price \$1,497.90.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME COTTAGE
CHANSLOR AVE bet 13th and 14th
Sts., Richmond. Frame cottage.
Owner.....Conn Bros., 6th and Macdonald, Richmond.
Architect...None.
Day's work. COST, \$1800

FRAME COTTAGE
SEVENTH ST., bet Nevin and Barrett,
Richmond. Frame cottage.
Owner.....Mrs. C. Burnett, Hayward,
Architect...None.
Contractor...A. E. Anderson, 315 Nevin
Ave., Richmond. COST, \$1500

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Dec. 19, 1916—SAUSALITO, Clinton
Mason to whom it may concern....
.....Dec. 12, 1916

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA.

STREET PAVING—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, City Engineer, Modesto. Owners, City of Modesto. At the last meeting of the Modesto City Council, City Engineer Freitas was instructed to prepare plans and specifications for the paving of Tenth street, between L and M streets, and L street, between Ninth and Tenth. Bids will be called for on completion of plans.

STREET IMPROVEMENTS—Cost not stated. Hanford, Kings Co., Cal. Engineer, City Engineer, Hanford. Owners, City of Hanford. By a vote of four to one the City Trustees overruled the protests of property owners and ordered bids received up to 5 p. m., January 3rd, for the paving of more than 60 blocks of streets. The paving will be of the bituminous type on concrete, according to plans prepared by Engineer Edward Lynch of Glendale. The Trustees agreed that Douly and Irwin streets should be paved from 8th St., where the paving now ends, to the county road. Harris and Reddington streets are to be paved from Sixth to Florida street. Seventh, Ninth and Tenth streets are to be paved to the Santa Fe Railroad.

HIGHWAY CONSTRUCTION — Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans and specifications of the Kern County highway have been accepted by the Board of Supervisors and bids will be received until January 3th. One road is Division 9, Section 5, on the Bakersfield-Glenville road, the other, Division 1 of the Delano-County Line highway. Plans may be had from the County Clerk.

IRRIGATION PROJECT Cost as follows. Fresno, Fresno Co., Cal. Engineer, Louis C. Hill, Fresno. Owners, Associated Irrigation Districts. Plans prepared by Louis C. Hill, United States Consulting Engineer, have been approved by a committee of 30 land owners, representing eight associated districts in the central part of San Joaquin Valley. The plans provide for a conservation dam at Pine Flat on the Kings River in Fresno County. A meeting will be held on January 3rd, when a report will be submitted on the cost of buying out the existing canal systems, with a view to consolidating all the territory depending on the Kings River. The proposed dam will cost, \$90,000, and will give capacity to irrigate 400,000 more acres.

APARTMENT HOUSE—10 story and base. Class A construction, \$100,000. Fresno, Fresno Co., Cal. Architect, Eugene A. Mathewson, Cory Bldg., Fresno. Owner, S. N. Griffith. Location, M and Mariposa streets, covering an area of 130 by 56 feet. Will contain a total of 71 apartments of two and three rooms. Plans are being prepared.

BRIDGE — Reinforced concrete and steel. Cost not stated. Fresno, Fresno Co., Cal. Engineer, County Surveyor, Fresno. Owners, Fresno County. Bids will be opened on January 10th at 2 p. m. for the reconstruction of Centerville bridge, across Kings River, according to plans and specifications therefore.

FACTORY—1 story and base, brick, \$16,000. Lemoore, Kings Co., Cal. Architects, Swartz & Swartz, Rowell Bldg., Fresno. Owners, Kings County Creamery. Will contain office, shipping room and factory. Plans are being prepared.

SANITARIUM—5 story and base, reinforced concrete. Cost not stated. Fresno, Fresno Co., Cal. Architects, E. J. Kraft & Sons, Phelan Bldg., S. F., associated with Architect R. F. Felchlin, Rowell Bldg., Fresno. Owners, Burnett Sanitarium Co. Will contain a number of private rooms, office, sun rooms and operating room. Plans complete and in the hands of Architect Felchlin, who is now taking figures.

POST OFFICE—2 story, brick and steel. Bakersfield, Kern Co., Cal. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. Bids, which were to have been opened on December 21st for this work, have been postponed until January 15th.

Contract Awarded.

RESIDENCE — 2 story and base, frame, \$14,000. Visalia, Tulare Co., Cal. Architect's name not given. Owner, Dr. T. O. McSwain. Contractor W. J. Helwig, Porterville. Contract price, \$14,000.

IRRIGATION PROJECT—Cost as follows. Waterford, Stanislaus Co., Cal. Engineer, Chief Engineer, Waterford.

Owners, Waterford Irrigation District. Contracts for the construction of the last segment of the upper main canal of the Waterford Irrigation District, a section 2½ miles long and including a 2,200-foot tunnel 8 feet in diameter, has been awarded by the Waterford Board of Directors to James Willison of Redding, at a total bid of \$39,420. The two Waterford contracts were considered separately, the canal portion proper calling for 15,000 cubic yards of open excavation, and the tunnel work including 9,800 cubic yards of portal excavation. Willison's bid on the open excavations was \$15,800, on the tunnel, \$23,540. Hoskins & Bagley of Turlock submitted a bid of \$29,955 on the tunnel. Tiesla Bros. of San Francisco asked \$23,490 for the open excavation alone. A. B. Cowden of San Francisco presented figures of \$35,220 for the tunnel and \$16,470 for the open excavation. The Tibbetts-Pacific Company of San Francisco bid \$26,560 on the tunnel and \$18,660 on the canal portion. C. H. and A. J. Gorrill of San Francisco bid only on the tunnel work—\$23,270. The other parts of the main canal construction of the Waterford District were let November 15th to W. C. Price & Co., San Francisco, who started the work this week.

BRIDGE CONSTRUCTION, ETC. — Cost as follows. Hanford, Kings Co., Cal. Engineer, County Surveyor, Hanford. Owners, Kings County. The following bids were received by the County Supervisors at their last meeting for the construction of a reinforced concrete bridge over the canal of the Lemoore Canal and Irrigation Co.: S. G. Smartt item 1, A-class concrete, 12.84 cents per cubic yard; item 2, B-class concrete, 12.44 cents per cubic yard; item 3, reinforcing steel, 5.4 cents per pound; item 4, piling under footings, 80 cents per linear foot. H. Erwin Walker: Item 1, A-class concrete, 15.28 cents per cubic yard; item 2, B-class concrete, 15.28 cents per cubic yard; item 3, reinforcing steel, 6 cents per pound; item 4, piling under footings, \$1.50 per linear foot. Contract awarded to S. G. Smartt of Bakersfield.

BRIDGE—Reinforced concrete, \$1,700. Merced, Merced Co., Cal. Engineer, County Surveyor, Merced. Owners, Merced County. Contractors, Halverson & Gordo, Merced. Contract price, \$1,700.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

ROAD CONSTRUCTION — Cost not stated. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Bids will be opened on January 5th at 2 p. m. for road work on the Oroville and Bangor road in Road District No. 3 in Butte County.

STREET IMPROVEMENTS—Cost not stated. Colusa, Colusa Co., Cal. Engineer, City Engineer, Colusa. Owners, City of Colusa. Bids will be opened on January 2nd for street improvement authorized under the following resolution: That portions of Oak street and Parkhill be graded to the official grade and gravelled.

STREET IMPROVEMENTS — Cost as follows. Yuba City, Sutter Co., Cal. Engineer, City Engineer, Yuba City. Owners, Yuba City. Bids received by the Town Trustees at their last meeting for constructing curbing and gut-

ters on Plumas street, from Bridge to B street, and the contract awarded to I. N. Rodefer of Yuba City. His bid was the lowest at 31 cents per linear foot. There is approximately 2,411 linear feet of curbs and gutters. There were two other bids. G. M. Baumgardner of Yuba City bid 39 cents per linear foot, and Periano & Curry of Marysville 45 cents per linear foot. The three bids submitted were on the agreement that the city would furnish the sand and gravel and the contractor the cement.

RESIDENCE—1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, W. B. Phillips, 4019 Cypress avenue, Sacramento. Location, Boyle Tract. Will contain five rooms, bath and sleeping porch. Plans complete and work to be done by Day Labor.

FACTORY GROUP—1 and 2 story, hollow tile, \$150,000. Galt, Sacramento Co., Cal. Architect, E. C. Hemmings, Sacramento. Owners, Utah Condensed Milk Co., Richfield, Utah. The main building will be a two-story hollow tile structure facing the Southern Pacific tracks. There will also be two hollow tile cottages, each one story; a one story hollow tile garage, a steel water tower with a tank of 25,000 gallons capacity and a large concrete septic tank for the disposal of all refuse. Bids will be called for shortly after the first of the new year.

FACTORY—1 story, hollow tile. Cost not stated. Sacramento, Cal. Architect, E. C. Hemmings, Sacramento. Owners, Essex Lumber Co. Location, North Sacramento. Building has been designed for a pencil factory. Plans complete and figures to be called for at once.

HOSPITAL BARN—1 story, frame. Cost not stated. Crescent City, Del Norte Co., Cal. Architect, none. Owners, el Norte County. Bids will be opened on January 8th at 10 a. m. for the construction of a frame barn to be erected at the County Hospital. Plans can be secured from the County Clerk.

LIBRARY DESKS, ETC.—Cost not stated. Sacramento, Cal. Architect, Loring P. Itixford, Sharon Bldg., S. F. Owners, City of Sacramento. Bids will be opened on January 2nd at 11 a. m. for furnishing and delivering desks and chairs for the new City Library. Plans can be secured from the office of the City Clerk, Sacramento.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

DWELLING

LOT 6 Boyle Tract, Sacramento. Five-room dwelling.
Owner.....W. B. Phillips, 4019 Cypress Ave., Sacramento.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS

W ½ LOT 2 J, K, 4th and 5th Sts., Sacramento. Rebuild three-story store building.

Keystone Hotel

54 4th Street, near Market
San Francisco, Cal.



Right down town. Close to the Builders Exchange and General Contractors Ass'n. Accommodations can't be equalled for double the price.

Rooms with private baths, \$1.25 per day.

DIRECT TO YOU

Bath Tubs, Toilets, Basins, Pipe, Fittings, Sundries

ETC.

Sacramento Plumbing Supply Co.

Phone Main 993

515 J. St., Sacramento

Owner.....Hiram Cameron, 408 J St., Sacramento.

Architect...None.

Contractor...Barton & Hite, 1812 L St., Sacramento.

COST, \$1945

ALTERATIONS

W 20 FEET LOT 6 J, K, 4th and 5th Sts., Sacramento. Remodel exterior and interior of building.

Owner.....Gus Marks, 417 K St., Sacramento.

Architect...None.

Contractor...Peter Leoni, 1250 V St., Sacramento.

COST, \$1900

ALTERATIONS

J, K, SIXTH AND SEVENTH STS., Sacramento. Remodel theatre exit in T. & D. Theatre.

Owner.....Katherine Breuner.

Architect...None.

Contractor...Siller Bros., 1614 13th St., Sacramento.

COST, \$1200

LOS ANGELES AND SOUTHERN CALIFORNIA.

Contract Awarded.

IRRIGATION INTAKE—\$150,000. Holtville, Imperial Co., Cal. Engineers, Grunsky & Anderson, L. A. Owners, Holtville Irrigation District. Contractor, M. S. Goodbody, Holtville. Contract price, \$150,000.

RAILROAD CONSTRUCTION—\$1,000,000. San Diego, San Diego Co., Cal. Engineer's name not given. Owners, San Diego and Arizona Railroad. Contractors, Twoby Bros., Hobart Bldg., S. F. Contract price, \$1,000,000.

PORTLAND AND OREGON.

SEWER CONSTRUCTION—\$309,312.15. Portland, Ore. Engineer, City Engineer, Portland. Owners, City of Portland. The bid of Giebisch & Joplin of Portland for the reconstruction and repair of the Tanner Creek sewer has been rejected by the City Council and new bids have been ordered called to

close January 3rd. Their bid for the work was \$309,312.15. Only one other bid was submitted.

RAILROAD CONSTRUCTION—\$300,000. Klamath Falls, Ore. Engineer's name not given. Owners, City of Klamath Falls. Bids are being received by the City Clerk for construction of 10.6 miles of railroad from Klamath Falls to a point near Dairy, where a junction is to be made with the proposed Oregon, California and Eastern Railroad, also known as the Strahorn Railroad. Estimated cost is \$300,000. Bids are also being received for purchase of bond issue for that amount to provide funds for construction of railroad.

SCHOOL—2 story and base, brick, \$50,000. Enterprise, Ore. Architects, Tourtellotte & Hummell, Rothchild Bldg., Portland. Owners, City of Enterprise. Will contain 24 class rooms, a large auditorium and separate building to house the heating system. Plans are being prepared.

SEATTLE AND WASHINGTON.

APARTMENT HOUSE—4 story and base, brick and steel. Cost not stated. Seattle, Wash. Architect, W. R. Kelly, Leary Bldg., Seattle. Owners, Leopold Estate. Location, southeast 7th avenue and James street, covering an area of 60 by 120 feet. Will contain a number of two and three room suites. Plans complete and figures being taken.

GARAGE—4 story and base, reinforced concrete, \$50,000. Seattle, Wash. Architect, V. W. Voorhees, Eltel Bldg., Seattle. Owner, Frank W. Palmer. Location, 11th avenue and Pike, covering an area of 60 by 120 feet. Designed for a commercial garage with offices and sales rooms. Plans complete and figures being taken.

Contract Awarded.

IRRIGATION PROJECT—\$6,000,000. Kittitas, Wash. Engineer's name not given. Owners, Kittitas Irrigation District. Contractors, Twohy Bros., Portland and San Francisco. Contract price not stated.

CHIMNEY 567 FEET HIGH BEING BUILT.

TOKIO, Japan—Japan will have the tallest chimney in the world. Down on the east coast of Kyushu in the little village of Saginasaki, 15 miles from Beppu, the great stack which when completed will be twelve feet higher than the Washington monument, is gradually being built under the superintendence of American engineers, and when finished will reach 567 feet up in the sky.

MILK DEPOT IN CHICO.

CHICO, Cal.—The Milk Company, recently organized by E. P. Truxell, W. W. Deter and W. J. Condon, are planning to erect a \$10,000 milk depot in Chico to handle their trade here and to house a \$2500 pasteurizing plant.

Other dairymen are looking forward to more modern methods of handling the milk supply for the consumers and W. S. Murdoch and F. R. Forrester, proprietors of the Rose Dairy, have left for Davis Farm School, where they will inspect the modern equipment with a view to purchasing similar machinery for their plant.

POSTPONE BIDS FOR BAKERSFIELD P. O.

January 15th is New Date for Opening Bids for Post Office at Bakersfield, California.

(By Special Wire)

WASHINGTON, D. C., December 21st, 1916.—An official notification was authorized this afternoon by the Treasury Department postponing opening of bids for the construction of the Bakersfield, Cal., federal building until January 15th at 3 P. M. These figures were to have been opened December 21st.

FOREST NOTES.

The Forest Service has completed a report on American woods available for export. This report has been furnished to American consuls abroad and prospective foreign purchasers of American lumber. It contains a list of approximately 700 firms which supplied the Forest Service with information about the kind of woods available for export and the form in which the product is exported including dimensions of stock and the port from which shipment may be made.

The wood-waste exchange established by the Forest Service for the purpose of aiding wood-using establishments in the closer utilization of wood waste has developed rapidly this year. The co-operators now number over five hundred, many of whom reported successful purchases or sales of wood waste through the medium of the exchange.

Forest Service investigations show that \$750,000 to a million dollars worth of dye from osage-orange wood is manufactured in the United States annually, and practically all from material which was formerly wasted.

About twelve per cent of the volume of the ordinary tree is bark, and little use has therefore been made of bark except as a source of tanning extract. Recent investigations by the Forest Service resulted in the development of a process by which spent tanbark can be profitably used in the manufacture of asphalt shingles, thereby increasing the value of this bark from 60 cents to \$2.50 per ton.

GEOLOGICAL SURVEY HAS WIDE SCOPE OF ACTIVITIES.

One of the results of the work of the Geological Survey, Department of the Interior, that is prominently before the public is seen in the topographical maps issued by the Survey. Large areas of the country have been mapped, including some entire States and aggregating nearly half of the United States exclusive of Alaska, much of which has also been surveyed, and the Geological Survey has now published over 2,500 separate topographic maps. These maps are being much more generally used than formerly, as their value for many purposes is coming to be recognized. For instance, the automobilists, who are purchasing thousands of maps annually, find them valuable in tracing road routes, and now aviators who are making long-distance flights are using them. During the last fiscal year, according to the Thirty-Seventh Annual Report of the Director of the Geological Survey, there was an increase in the sales of these maps amounting to 17 per cent. The distribution during five months of the present fiscal year indicates that this percentage of increase will be much exceeded, the demand for topographic maps by citizens of all classes being far greater than ever before.

The topographic surveys made during the year covered 22,716 square miles, more than the total area of Massachusetts, Connecticut, and New Hampshire. In addition, areas amounting to 10,412 square miles were topographically surveyed in Alaska.

The Geological Survey also made geologic surveys, both detailed and reconnaissance, covering 43,662 square miles in 47 States, the Canal Zone, and the West Indies, and an additional 10,900 square miles in Alaska.

The investigation of water resources is one of the important activities of the Geological Survey. The volume of streams was measured during the year by hydraulic engineers at 1,677 stations in 39 States, Alaska, and Hawaii.

The Geological Survey classified during the year 43,000 acres of public land as to its mineral character and 158,900 acres as to its value for power sites or public water reserves—springs or water holes. It also classified 27,254,442 acres in the Western States as non-irrigable and subject for designation under the enlarged-homestead laws.

The scientific and economic reports of the Geological Survey for the year aggregated nearly 20,000 printed pages and over 603,000 copies of these and other reports were distributed, besides

HARDWOODS — VENEERS

No matter what kind of Hardwoods Flooring or Panels you may require, nor what quantity of each you may need for immediate delivery, you can depend upon WHITE BROTHERS to supply you promptly.

We carry the largest stock of HARDWOODS and WYBRO PANELS in the West.

Ask for our stock lists—free on request.

For over forty-four years we have featured service and promptness coupled with fair prices as our standard. We have the quantity and the variety on hand for immediate delivery.

If you do not deal with us, we both lose.

White Brothers

Fifth & Brannan Sts.

San Francisco

Convenience

Train schedules
Fast service
Clean Comfortable riding
Observation car service
Courteous employees
Electrically heated cars
Modern steel coaches

Between San Francisco and points in the Sacramento Valley on the "San Francisco-Sacramento Scenic Line" and the Northern Electric Ry.

Oakland, Antioch & Eastern Railway

San Francisco Depot,
Key Route Ferry,
Phone Sutter 2339.

PIERCE-BOSQUIT

Abstract & Title Co.

CAPITAL STOCK, \$100,000

Sacramento, Placerville, Nevada
City, Reno

SACRAMENTO OFFICE
ROSS E PIERCE - Manager
905 SIXTH STREET

620,000 copies of geologic folios and topographic maps.

The Geological Survey is coming to be recognized more and more as a clearing house of information on the mineral resources of the United States. During the year correspondence was carried on with 92,000 mineral producers, including some in every State, and thousands of letters were written to the general public, covering every conceivable question concerning minerals and mineral products.

SHIPBUILDING DOUBLED.

Merchant shipbuilding in the United States in the first 11 months of this year more than doubled in tonnage the whole of last year's output. The Bureau of Navigation announced that 1,115 vessels have been turned out with a gross tonnage of 521,711. All but 49 were for the American flag.

Domestic wooden vessels numbered 936 with a tonnage of 127,276 and steel 130, with a tonnage of 361,170. The Atlantic and Gulf trade took 546 vessels, the Pacific trade 262, Great Lakes 114, Western rivers 143.

There are now building or are under contract to build, vessels which aggregate tonnage of 1,200,000, the largest total ever recorded in the history of the United States.

NEW SUGAR WAREHOUSE.

OXNARD, Cal.—The American Beet Sugar Company will build a new sugar warehouse at the Oxnard factory. The building will be of brick and steel with concrete roof and will cost \$60,000.

STOP Do not purchase your mixers or Equipment from Eastern Agents.

We are selling more Mixers than any Eastern manufacturer's agent on the PACIFIC COAST.

WHY? Because we give BETTER SERVICE and VALUE TWENTIETH CENTURY MIXERS

Pavers, Concrete Carts, Hoists, Etc., Are Built For
You By Us in San Francisco.

BUY from the Manufacturer Direct.
WE RENT EQUIPMENT.

NORRIS K. DAVIS

Seventh & Harrison Sts.

Tel. Market 1675



LEAVE KEY ROUTE FERRY.	
Leave	Daily except as noted.
7:20A	Sacramento, Dixon Jet, Pittsburg, Bay Point. Carries Observation Car. Through train to Chico, Marysville, Colusa, Oroville and Woodland.
8:00A	Concord, Diablo and Way Stations.
*9:00A	Sacramento, Bay Point, Pittsburg, Dixon, Chico, Woodland. Carries Parlor Observation Car.
9:40A	Pinehurst, Concord, Sundays and Holidays.
11:20A	Sacramento, Pittsburg, Bay Point, Colusa, Chico.
*1:00P	Sacramento, Pittsburg, Bay Point, Colusa, Chico, Woodland.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point, Elverta, Woodland.
4:00P	Concord and Way Stations.
4:40P	Sacramento, Pittsburg, Dixon Jet, Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Danville and Way Stations, except Sundays and Holidays.
8:00P	Sacramento, Pittsburg, Dixon, Woodland and Way Stations.
* Connections made at Mallard for Walnut Grove, Ryde, Isleton, and Rio Vista by Lauritzen Transportation Co. Boats.	

OAKLAND, ANTIOCH & EASTERN RAILWAY
Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F.; People's Express Co., Oakland.

CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 2735.

Cut this out and mail to-day

Subscription Rates
Payable in advance

- ☐ 1 year - \$3.00
☐ 2 years - 5.00
☐ 5 years - 10.00

To the Building and Engineering News
560 Mission Street, San Francisco

Send me the Building and Engineering News for _____ years and will pay you as per X mark below when you send your bill.

Signed _____
Street and No. _____
City _____
State _____



